NEMSIS v3.4.0, Build 150302 Change Log

Introduction / Overview
March 2, 2015
May 27, 2015 – View Diff Report for Changes Made to Change Log

This change log represents revision changes made to the NEMSIS Version 3 standard based on the NEMSIS TAC Annual Revision Policy. Suggested changes to the Version 3 standard were provided by EMS stakeholders, reviewed by various stakeholders, and implemented when feasible.

Revisions made with the NEMSIS Version 3.4.0 include new elements, new SimpleTypes, updates to element names, definitions, comments, and constraints. Constraint changes included decreasing or increasing the minimum or maximum value an element allows. Some changes were implemented to meet billing needs based on existing standards. Patterns were modified for elements using ICD-10 code sets. Element values, otherwise identified in the change log as enumeration code/description changes, were removed or added. Some descriptions were modified slightly but maintain the same meaning.

Deprecated elements from previous versions of the NEMSIS Version 3 standard have been removed.

The NEMSIS Version 3.4.0 release is a major release; therefore elements and values identified for removal are not deprecated in this release but removed completely from the standard.

Table of Contents - NEMSIS v3.4.0 Candidate Release 1 Change Log

XSD Files Impacted

NEMSIS Version 3.4.0 XSD files with changes.

File	Change (Yes / No)	File	Change (Yes / No)
CADDataset	Yes	eDisposition	Yes
DEMDataSet	No	eExam	Yes
EMSDataSet	No	eHistory	Yes
MedDeviceDataSet	Yes	eInjury	Yes
commonTypes	Yes	eLabs	No
dAgency	Yes	eMedDevice	Yes
dConfiguration	Yes	eMedications	Yes
dContact	Yes	eNarrative	No
dCustom	Yes	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	Yes
eAirway	Yes	eResponse	Yes
eArrest	Yes	eScene	Yes
eCAD	Yes	eSituation	Yes
eCrew	No	eState	No
eCustom	Yes	eTimes	No
eDevice	Yes	eVitals	Yes
eDispatch	Yes		

General

CENSUS Tract Information
URL Updates

Old: Census Tract Data Website (files and descriptions):
http://www.census.gov/geo/www/2010census/tract_rel/tract_rel.html

New: Census Tract Data Website (files and descriptions):
http://www.census.gov/geo/maps-data/data/tract_rel_download.html

Elements Affected (5)
DEM DataSet (1) and EMS DataSet (2):
dAgency.07 - EMS Agency Census Tracts
ePatient.11 - Patient Home Census Tract
eScene.23 - Incident Census Tract

CAD DataSet elements (2)
eCad.62 - (ePatient.11) Patient Home Census Tract
eCad.92 - (eScene.23) Incident Census Tract

Update Overview & Summary Page
Code Type Reference Changes

Old:
9924001 = ICD10
9924003 = RxNorm

New:
3001001 = No
3001003 = Yes, Prior to EMS Arrival
3001005 = Yes, After EMS Arrival

Syntax (Grammar) Corrections
Changes were made so the formatting for the following are consistent: 1) e.g., and 2) etc.

v3 Element	Code	Old Description	New Description	Location
dAgency.14 - EMS Agency Organizational Tax Status	1018003	Other (ex: Government)	Other (e.g., Government)	Code List

dConfiguration.17 - Dispatch Center (CAD) Name or ID	N/A	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.	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.	Comment
dContact.06 - Agency Contact City	N/A	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".	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".	Comment
dContact.12 - EMS Agency Contact Web Address	N/A	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.).	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.).	Comment
dLocation.07 - EMS Location City	N/A	The city of the EMS location type (e.g. fixed station, sub-station, staging area, etc).	The city of the EMS location type (e.g., Fixed station, sub-station, staging area, etc.).	Definition
eAirway.04 - Airway Device Placement Confirmed Method	4004013	Endotracheal Tube Whistle (BAAM, etc)	Endotracheal Tube Whistle (BAAM, etc.)	Code List
eDispatch.04 - Dispatch Center Name or ID	N/A	This element can be used to identify the dispatch center (Primary or Secondary	This element can be used to identify the dispatch center (Primary or	Comment

		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.	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.	
eDispatch.05 - Dispatch Priority (Patient Acuity)	2305007	Priority 4 (Non-Acute [e.g. Scheduled Transfer or Standby])	Non-Acute [e.g., Scheduled Transfer or Standby]	Code List
eDisposition.22 - Hospital In-Patient Destination	N/A	The location within the hospital that the patient was taken directly by EMS (e.g. Cath Lab, ICU, etc.)	The location within the hospital that the patient was taken directly by EMS (e.g., Cath Lab, ICU, etc.).	Definition
eDisposition.23 - Hospital Designation	N/A	The primary hospital capability associated with the patient's condition for this transport (e.g. Trauma, STEMI, Peds, etc).	The primary hospital capability associated with the patient's condition for this transport (e.g., Trauma, STEMI, Peds, etc.).	Definition
eInjury.17 - ACN Incident Vehicle Manufacturer	N/A	The Automated Collision Notification Vehicle Manufacturer (e.g. General Motors, Ford, BMW).	The Automated Collision Notification Vehicle Manufacturer (e.g., General Motors, Ford, BMW, etc.).	Definition
eInjury.18 - ACN Incident Vehicle Make	N/A	The Automated Collision Notification Vehicle Make (e.g. Cadillac, Ford, BMW).	The Automated Collision Notification Vehicle Make (e.g., Cadillac, Ford, BMW, etc.).	Definition
eInjury.19 - ACN Incident Vehicle Model	N/A	The Automated Collision Notification Vehicle Model (e.g. Escalade, Taurus, X6M).	The Automated Collision Notification Vehicle Model (e.g., Escalade, Taurus, X6M, etc.).	Definition
eInjury.20 - ACN Incident Vehicle Model Year	N/A	The Automated Collision Notification Vehicle Model Year (e.g. 2010).	The Automated Collision Notification Vehicle Model Year (e.g., 2010).	Definition
eInjury.24 - ACN Incident PDOF	N/A	Based on Vehicular Emergency Data Set: PDOF. Principal direction of the force of the impact to	Based on Vehicular Emergency Data Set: PDOF. Principal direction of the force of the impact to	Comment

		nearest o'clock reading. Values are 1 through 12 (e.g. 12=Frontal collision, 3=passenger side (right) collision, etc). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.	nearest o'clock reading. Values are 1 through 12 (e.g., 12=Frontal collision, 3=passenger side (right) collision, etc.). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN) Joint APCO/NENA Data Standardization Working Group.	
eInjury.25 - ACN Incident Rollover	N/A	Based on Vehicular Emergency Data Set: Rollover. Indicates if the vehicle rolled over during the collision/event (e.g. True=Rollover, False=No Rollover). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.	Based on Vehicular Emergency Data Set: Rollover. Indicates if the vehicle rolled over during the collision/event (e.g., True=Rollover, False=No Rollover). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN) Joint APCO/NENA Data Standardization Working Group.	Comment
eOther.09 - External Electronic Documents	4509005	Diagnostic Image (CT, X-ray, US, etc)	Diagnostic Image (CT, X-Ray, US, etc.)	Code List
eOutcome.01 - Emergency Department Disposition	43	Discharged/transferred to a Federal Health Care Facility (e.g. VA or federal health care facility)	Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility)	Code List
eOutcome.02 - Hospital Disposition	43	Discharged/transferred to a Federal Health Care Facility (e.g. VA or federal health care facility)	Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility)	Code List
eOutcome.09 - Emergency Department Procedures	N/A	ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value	ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value	Comment

		represents a specific option for the general character definition (e.g., stomach is one of the values for the body part character). The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1. Website - http://uts.nlm.nih.gov Product - UMLS Metathesaurus	represents a specific option for the general character definition (e.g., Stomach is one of the values for the body part character). The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1. Website - http://uts.nlm.nih.gov Product - UMLS Metathesaurus	
eOutcome.12 - Hospital Procedures	N/A	ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value represents a specific option for the general character definition (e.g., stomach is one of the values for the body part character). The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1. Website - http://uts.nlm.nih.gov Product - UMLS Metathesaurus	ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34 possible values. Each value represents a specific option for the general character definition (e.g., Stomach is one of the values for the body part character). The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters O and I are not used in order to avoid confusion with the digits 0 and 1. Website - http://uts.nlm.nih.gov Product - UMLS Metathesaurus	Comment
ePayment.04 - Reason for Physician Certification Statement	2604023	Orthopedic device (backboard, halo, use of pins in traction, etc) requiring special handling in transit	Orthopedic device (backboard, halo, use of pins in traction, etc.) requiring special handling in transit	Code List

eResponse.09 - Type of Response Delay	N/A	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).	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).	Comment
eResponse.10 - Type of Scene Delay	2210039	Mechanical Issue-Unit, Equipment, etc	Mechanical Issue-Unit, Equipment, etc.	Code List
eResponse.11 - Type of Transport Delay	2211031	Patient Condition Change (e.g. Unit Stopped)	Patient Condition Change (e.g., Unit Stopped)	Code List
eResponse.12 - Type of Turn-Around Delay	2212021	Route Obstruction (e.g. Train)	Route Obstruction (e.g., Train)	Code List
eResponse.12 - Type of Turn-Around Delay	N/A	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 (eTimes15) [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	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.11) until the time the unit is back in service (eTimes.13) or unit back at the home location (eTimes15) [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	Comment

		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].	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].	
eVitals.15 - Respiratory Effort	3315005	Mechanically Assisted (BVM, CPAP,etc)	Mechanically Assisted (BVM, CPAP, etc.)	Code List
eDisposition.23 - Hospital Designation	N/A	The designation associated with the hospital for this transport (e.g. Trauma, STEMI, Peds, etc).	The designation associated with the hospital for this transport (e.g., Trauma, STEMI, Peds, etc.).	HospitalDesignation SimpleType Documentation Tag
eDisposition.22 - Hospital In-Patient Destination	N/A	The location within the hospital that the patient was taken directly by EMS (e.g. Cath Lab, ICU, etc.)	The location within the hospital that the patient was taken directly by EMS (e.g., Cath Lab, ICU, etc.).	HospitalInPatientDestination SimpleType Documentation Tag
eInjury.19 - ACN Incident Vehicle Model	N/A	The Automated Collision Notification Vehicle Model (e.g. Escalade, Taurus, X6M).	The Automated Collision Notification Vehicle Model (e.g., Escalade, Taurus, X6M).	Model SimpleType Documentation Tag
eCad.15 - (eResponse.09) Type of Response Delay	N/A	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	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	Comment

		the time the unit arrived on scene (eTimes.06).	the time the unit arrived on scene (eTimes.06).	
dConfiguration.17 - Dispatch Center (CAD) Name or ID	N/A	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.	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.	Comment
dFacility.04 - Hospital Designations		The designation(s) associated with the hospital (e.g., Trauma, STEMI, Peds, etc)	The designation(s) associated with the hospital (e.g., Trauma, STEMI, Peds, etc.)	definition
eCad.18 - eResponse.12		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 (eTimes15) [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	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 (eTimes15) [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	comment

		times].	times].	
eDevice.06 – Medical Device Mode (Manual, AED, Pacing, CO2, O2, etc.)	N/A	Medical Device Mode (Manual, AED, Pacing, CO2, O2, etc)	Medical Device Mode (Manual, AED, Pacing, CO2, O2, etc.)	Element name
eMedDevice.48 - Medical Device Mode (Manual, AED, Pacing, CO2, O2, etc.)	N/A	Medical Device Mode (Manual, AED, Pacing, CO2, O2, etc)	Medical Device Mode (Manual, AED, Pacing, CO2, O2, etc.)	Element name

Deprecated Items Removed

Enumeration Code/Description Removed

9905017 = Nurse

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

9908013 = STEMI

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

9908015 = STEMI Center (24/7)

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

9911017 = Nurse

    Elements Affected
    dConfiguration.02 - State Certification/Licensure Levels

9917017 = Nurse

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

9925021 = 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

2207001 = Air Transport

Elements Affected

eResponse.07 - Primary Role of the Unit

2622007 = Other

Elements Affected

ePayment.22 - Relationship to the Insured

3011003 = Bradycardia

Elements Affected

eArrest.11 - First Monitored Arrest Rhythm of the Patient

3708027 = Itching/Urticaria

Elements Affected

eMedications.08 - Medication Complication

Elements Removed

ePayment.43 - Ambulance Transport Code

Elements Removed

Elements Removed

eArrest.10 - Therapeutic Hypothermia Initiated

CommonTypes

SimpleType: ANSICountyCode
<u>Constraint Changes</u>

New: Pattern; [0-9]{5}

Elements Affected (9)
DEM DataSet (3):
dFacility.11 - Facility County
dAgency.06 - EMS Agency Service Area County(ies)
dLocation.10 - EMS Location County

EMS DataSet (3):
eDisposition.06 - Destination County
ePatient.07 - Patient's Home County
eScene.21 - Incident County

CAD DataSet (3):
eCad.58 - (ePatient.07) Patient's Home County
eCad.90 - (eScene.21) Incident County
eCad.98 - (eDisposition.06) Destination County

SimpleType: ANSIStateCode
<u>Constraint Changes</u>

New: Pattern; [0-9]{2}

Elements Affected (15)
DEM DataSet (8):
dAgency.04 - EMS Agency State
dAgency.05 - EMS Agency Service Area States
dConfiguration.01 - State Associated with the Certification/Licensure Levels
dContact.07 - Agency Contact State
dFacility.09 - Facility State
dLocation.08 - EMS Location State
dPersonnel.06 - EMS Personnel's State
dPersonnel.22 - EMS Personnel's State of Licensure

EMS DataSet (7):
ePatient.08 - Patient's Home State

ePatient.20 - State Issuing Driver's License

eScene.18 - Incident State

eDisposition.05 - Destination State

ePayment.14 - Insurance Company State

ePayment.28 - Closest Relative/ Guardian State

ePayment.36 - Patient's Employer's State

CAD DataSet (3):

eCad.59 - (ePatient.08) Patient's Home State

eCad.87 - (eScene.18) Incident State

eCad.97 - (eDisposition.05) Destination State

New SimpleType: CityGnisCodePayment

Constraints

Data Type = String

Constraint Additions

minLenth = 2

maxLength = 30

Elements Affected (3)

ePayment.13 - Insurance Company City

ePayment.27 - Closest Relative/ Guardian City

ePayment.35 - Patient's Employer's City

SimpleType: CodeType

Documentation Tag Change

Old: Indication of the possibility by the patient's history of a current pregnancy.

New: Identifier if the code used for patient medication allergies is based on an RxNorm code or an ICD-10 code.

SimpleType: CrewMemberID

Constraint Changes

Old: maxLength = 15

New: maxLength = 50

Elements Affected (6)

eAirway.07 - Crew Member ID

eCrew.01 - Crew Member ID

eMedications.09 - Medication Crew (Healthcare Professionals) ID

eOther.04 - EMS Professional (Crew Member) ID

eOther.08 - Crew Member Completing this Report
eProcedures.09 - Procedure Crew Members ID

SimpleType: CurrentMedicationAdministrationRoute
Enumeration Code/Description Changes

Value Added
New: 9927061 = Portacath

Elements Affected (6)
eHistory.15 - Current Medication Administration Route
eMedications.04 - Medication Administered Route

SimpleType: icd10Code
Pattern Changes

Old: [A-Z][0-9]{2}((\.[0-9A-Z]{1,3})?)
New: [A-Z][0-9][0-9A-Z]((\.[0-9A-Z]{1,3})?)

Elements Affected (2)
eOutcome.10 - Emergency Department Diagnosis
ePayment.51 - EMS Condition Code

SimpleType: icd10CodeOutcomeDiagnosis
Pattern Changes

Old: [A-Z][0-9]{2}((\.[0-9A-Z]{1,4})?)
New: [A-Z][0-9][0-9A-Z]((\.[0-9A-Z]{1,4})?)

Elements Affected (1)
eOutcome.13 - Hospital Diagnosis

SimpleType: ImmunizationType
Enumeration Code/Description Changes

Old: 9910005 - DPT (Diphtheria, Pertussis, Tetanus)
New: 9910005 - DPT / TDaP (Diphtheria, Pertussis, Tetanus)

Elements Affected (1)
eHistory.10 - The Patient's Type of Immunization

SimpleType: PersonLastName
Constraint Changes

Old: maxLength = 50
New: maxLength = 60

Elements Affected (8)
DEM DataSet (2):
dPersonnel.01 - EMS Personnel's Last Name
dContact.02 - Agency Contact Last Name

EMS DataSet (5):
ePatient.02 - Last Name
ePayment.06 - Last Name of Individual Signing Physician Certification Statement
ePayment.19 - Last Name of the Insured
ePayment.23 - Closest Relative/Guardian Last Name
eHistory.02 - Last Name of Patient's Practitioner

CAD DataSet (1):
eCad.53 - (ePatient.02) Last Name

SimpleType: PersonName
Constraint Changes

Old: maxLength = 50
New: maxLength = 255

Elements Affected (3)
eMedications.12 - Medication Authorizing Physician
eProcedures.12 - Procedure Authorizing Physician
ePayment.54 - Prior Authorization Code Payer

SimpleType: Protocols Used
Enumeration Code/Description Changes

Value Description Changes:
Old: 9914135 = Medical-Overdose/Poisoning/Toxic Ingestion
New: 9914135 = General-Overdose/Poisoning/Toxic Ingestion

Old: 9914139 = Medical-Respiratory Distress/Asthma/COPD/Croup/Reactive Airway
New: 9914139 = Medical-Respiratory Distress/Asthma/COPD/Reactive Airway

New Values:
9914201 = Cardiac Arrest-Determination of Death / Withholding Resuscitative Efforts
9914203 = Injury-Conducted Electrical Weapon (e.g., Taser)
9914205 = Injury-Facial Trauma
9914207 = Injury-General Trauma Management
9914209 = Injury-Lightning/Lightning Strike
9914211 = Injury-SCUBA Injury/Accidents
9914213 = Injury-Topical Chemical Burn

9914215 = Medical-Beta Blocker Poisoning/Overdose
9914217 = Medical-Calcium Channel Blocker Poisoning/Overdose
9914219 = Medical-Opioid Poisoning/Overdose
9914221 = Medical-Respiratory Distress-Bronchiolitis
9914223 = Medical-Respiratory Distress-Croup
9914225 = Medical-Stimulant Poisoning/Overdose

Element Affected (3)
DEM DataSet (2):
dConfiguration.05 - Protocols Permitted by the State
dConfiguration.10 - EMS Agency Protocols

EMS DataSet (1):
eProtocols.01 - Protocols Used

SimpleType: USNG
Pattern Changes

Old: [1][0-9][R,S,T,U][ABCDEFGHJKLMNPQRSTUVWXYZ][ABCDEFGHJKLMNPQRSTUV][0-9]{8}
New: [1][0-9][RSTU][ABCDEFGHJKLMNPQRSTUVWXYZ][ABCDEFGHJKLMNPQRSTUV][0-9]{8}

Element Affected (8)
DEM DataSet (2):
dFacility.14 - Facility US National Grid Coordinates
dLocation.05 - EMS Location US National Grid Coordinates

EMS DataSet (3):
eDisposition.10 - Disposition Location US National Grid Coordinates
eResponse.18 - Vehicle Dispatch Location US National Grid Coordinates
eScene.12 - Scene US National Grid Coordinates

CAD DataSet (3)
eCad.24 - (eResponse.18) Vehicle Location US National Grid Coordinates
eCad.81 - (eScene.12) Scene US National Grid Coordinates
eCad.102 - (eDisposition.10) Disposition Location US National Grid Coordinates

SimpleType: StreetAddress
Constraint Changes

Old: maxLength = 55
New: maxLength = 255

Elements Affected (13)
DEM DataSet (4):
dContact.05 - Agency Contact Address

dLocation.06 - EMS Location Address

dPersonnel.04 - EMS Personnel's Mailing Address

dFacility.07 - Facility Street Address

EMS DataSet (6):

ePatient.05 - Patient's Home Address

ePayment.12 - Insurance Company Address

ePayment.26 - Closest Relative/ Guardian Street Address

ePayment.34 - Patient's Employer's Address

eScene.15 - Incident Street Address

eDisposition.03 - Destination Street Address

CAD DataSet (3):

eCad.56 - (ePatient.05) Patient's Home Address

eCad.84 - (eScene.15) Incident Street Address

eCad.95 - (eDisposition.03) Destination Street Address

SimpleTypes

AssociatedSymptoms
Pattern Change

Old: (R[0-6][0-9](\.[0-9]{1,4})?|(R73\.9)|(R99))|([A-QSTZ][0-9]{2})((\.[0-9A-Z]{1,4})?)
New: (R[0-6][0-9](\.[0-9]{1,4})?|(R73\.9)|(R99))|([A-QSTZ][0-9][0-9A-Z])((\.[0-9A-Z]{1,4})?)

Elements Affected (2)
eSituation.09 - Primary Symptom
eSituation.10 - Other Associated Symptoms

InsuranceCompanyIDName
Element Name Change

Old: InsuranceCompanyIDName
New: InsuranceGroupID

Elements Affected (1)
ePayment.17 - Insurance Group ID

ProvidersImpression
Pattern Change

Old: (R[0-6][0-9](\.[0-9]{1,4})?|(R73\.9)|(R99))|([A-QSTZ][0-9]{2})((\.[0-9A-Z]{1,4})?)
New: (R[0-6][0-9](\.[0-9]{1,4})?|(R73\.9)|(R99))|([A-QSTZ][0-9][0-9A-Z])((\.[0-9A-Z]{1,4})?)

Elements Affected (2)
eSituation.11 - Provider's Primary Impression
eSituation.12 - Provider's Secondary Impressions

dAgency

dAgency.22 – EMS Billable Calls per Year

<u>NOT Value Addition</u>

     7701005 = Not Reporting

dConfiguration

dConfiguration.05 - Protocols Permitted by the State
Value Changes or Additions

See SimpleType: ProtocolsUsed for detailed list (pages 19-20).

dConfiguration.10 - EMS Agency Protocols
Value Changes or Additions

See SimpleType: ProtocolsUsed for detailed list (pages 19-20).

dContact

dContact.15 – Medical Directory Compensation
Comment Change

Old: Associated with EMS Medical Directors only.

New: This element applies to the Medical Director(s) for an EMS agency (EMS Medical Director and EMS Assistant Medical Director).

dCustomConfiguration

dCustomConfiguration.CustomGroup – CustomElementID Attribute
<u>Use Change</u>

>**Old**: Optional
>**New**: Required

NEW ELEMENT: dCustomConfiguration.09 – Custom Element Grouping ID

>**Name**: Custom Data Element Grouping ID
>**Definition**: ID for how custom elements are grouped.
>**Usage**: Optional

>**Data Type**: CorrelationID

>**National Element** = No
>**State Element** = No
>**Usage** = Optional

>**Pertinent Negatives (PN)** = No
>**NOT Values** = No

dFacility

dFacility.01 – Type of Facility
Enumeration Code/Description Changes

Values Added:
1701013 = Rehabilitation Facility
1701015 = Mental Health Facility
1701017 = Dialysis Center

dFacility.05 – Facility National Provider Identifier
Recurrence Change

Old: 0:1
New: 0:M

dFacility.03 – Facility Location Code
Comment Change

Old: The information contained within this element could be used to populate eScene.09 (Incident Facility Code) or eDisposition.02 (Destination/Transferred To, Code) via a drop down list created at either the EMS Agency or State level.

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

NEW ELEMENT: dFacility.15 - Facility Phone Number

Name: Facility Phone Number
Definition: Facility phone number.
Usage: Optional
Comment: This element contains an attribute to define what type of phone number is being documented (e.g., Fax, Home, Mobile, Pager, and Work).

Data Type: PhoneNumber

Attribute: Name: PhoneNumberType   Data Type: PhoneNumberType

National Element = No
State Element = No
Usage = Optional

Pertinent Negatives (PN) = No
NOT Values = No
Is Nillable = No
Recurrence = 0:M

dLocation

dLocation.08 – EMS Location State
Comment Change

Old: Based on the ANSI Code.
ANSI Country Codes (ISO 3166)
Website:http://geonames.usgs.gov/domestic/download_data.htm

New: Based on the ANSI State Code.
GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

dLocation.10 – EMS Location County
Comment Change

Old County codes are based on ISO/ANSI codes. A 5-digit code based on state (2-digits) and county (5-digit).
GNIS Codes Website: http://geonames.usgs.gov/domestic/download_data.htm

New: 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).

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

dPersonnel

dPersonnel.24 – EMS Personnel's State Certification Licensure Level
NOT Value Addition

7701005 = Not Reporting

dPersonnel.29 – EMS Personnel's State Certification Licensure Level
Code Value Change

Old: 1529901 = 2009 Advanced Emergency Medical Technician(AEMT)

New: 1529001 = 2009 Advanced Emergency Medical Technician (AEMT)

dPersonnel.38 – EMS Professional's Practice Level
Element Name Change

Old: dPersonnel.38 - EMS Professional's Practice Level
New: dPersonnel.38 - EMS Personnel's Practice Level

ID Change

Old: dPersonnel.EMSProfessionalsPracticeLevel
New: dPersonnel.EMSPersonnelsPracticeLevel

dPersonnel.39 – Date of Professional's Certification or Licensure for Agency
Element Name Change

Old: Date of Professional's Certification or Licensure for Agency
New: Date of Personnel's Certification or Licensure for Agency

ID Change

Old: dPersonnel.DateofProfessionalsCertificationorLicensureforAgency
New: dPersonnel.DateofPersonnelsCertificationorLicensureforAgency

eAirway

eAirway.07 – Crew Member ID
Definition Change

>**Old**: The crew member id during this EMS patient encounter at this date and time.
>**New**: The statewide assigned ID number of the EMS crew member confirming the airway placement.

eAirway.08 – Airway Complications Encountered
Element Location Change

>**Old**: Part of eAirway.ConfirmationGroup
>**New**: Outside of eAirway.ConfirmationGroup

eAirway.09 – Suspected Reasons for Failed Airway Procedure
Element Name Change

>**Old**: Suspected Reasons for Failed Airway Procedure
>**New**: Suspected Reasons for Failed Airway Management

Element Location Change

>**Old**: Part of eAirway.ConfirmationGroup
>**New**: Outside of eAirway.ConfirmationGroup

ID Change

>**Old**: eAirway.SuspectedReasonsforFailedAirwayProcedure
>**New:** eAirway.SuspectedReasonsforFailedAirwayManagement

eArrest

eArrest.09 – Type of CPR Provided
Enumeration Code/Description Changes

> **Old**: 3009011 = Compressions-Other Device (Not Listed)
> **New**: 3009011 = Compressions-Other Device

eArrest.10 – Therapeutic Hypothermia Initiated
This Element Has Been Removed

eArrest.15 – Date/Time Resuscitation Discontinued
Definition Change

> **Old**: The date/time the CPR was discontinued (or could be time of death)
> **New**: The date/time resuscitation was discontinued.

NEW ELEMENT: eArrest.19 – Date/Time of Initial CPR
> **Definition**: The initial date and time that CPR was started by anyone.

> **National Element** = No
> **State Element** = No
> **Usage** = Optional

> **Pertinent Negatives (PN)** = No
> **NOT Values** =No
> **Is Nillable** = No
> **Recurrence** = 0:1

> **Restrictions:** CommonType: DateTime

eCustomConfiguration

NEW ELEMENT: eCustomConfiguration.09 - Custom Element Grouping ID

Name: Custom Data Element Grouping ID
Definition: ID for how custom elements are grouped.
Usage: Optional

Data Type: CorrelationID

National Element = No
State Element = No
Usage = Optional

Pertinent Negatives (PN) = No
NOT Values = No

eDevice

eDevice.06 – AED Pacing or C02 Mode
ID Change

Old: eDevice.AEDPacingorC02Mode
New: eDevice.AEDPacingorCO2Mode

Please note: This change is only noted in the XSD file eDevice_v3.xsd. It is not visible in the data dictionary documentation.

eDispatch

eDispatch.01 – Complaint Reported by Dispatch
Enumeration Code/Description Change

> **Old**: 2301083 = Airmedical Transport
> **New**: 2301083 = Air Medical Transport

eDispatch.05 – Dispatch Priority (Patient Acuity)
Comment Change

> **Old**: 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.
>
> Provided below is an example application only. This example bears no relationship to any particular federal, state, or agency billing requirement
>
> 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
>
> For Air Medical Transports the most appropriate values choices should be limited to two: Emergent (Priority 2) and Non-Emergent (Priority 4).
>
> **New**: The use of acuity values vary by EMS agency. Some systems may utilize fewer than four levels and some more. The use of four 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.

Provided below is an example application only. This example bears no relationship to any particular federal, state, or agency billing requirement.

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 = Critical	Charlie = Emergent	Alpha = Lower Acuity
Delta = Critical	Bravo = Emergent	Omega = Non-Acute

Patient Acuity 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

For Air Medical Transports the most appropriate values choices should be limited to two: Emergent and Non-Acute.

Enumeration Code/Description Changes

Old: 2305001 = Priority 1 (Critical)
New: 2305001 = Critical

Old: 2305003 = Priority 2 (Emergent)
New: 2305003 = Emergent

Old: 2305005 = Priority 3 (Lower Acuity)
New: 2305005 = Lower Acuity

Old: 2305007 = Priority 4 (Non-Acute [e.g. Scheduled Transfer or Standby])
New: 2305007 = Non-Acute (e.g., Scheduled Transfer or Standby)

NEW ELEMENT: eDispatch.06 - Unit Dispatched CAD Record ID

Definition: The unique ID assigned by the CAD system for the specific unit response.
National: No
State: No
PN: No
NV: No
Nillable: No
Usage: Optional
Recurrence: 0:1
Constraints
   a) Data Type: String
   b) minLength: 3
   c) maxLength: 50

Comment: The Unit Dispatched CAD Record ID is populated from a CAD system. This information will not be known to the EMS professional.

Use Case: Some CAD systems may use the Unit Dispatched CAD Record ID as the Patient Care Report Number (eRecord.01). This may also be a GUID from a CAD system. A GUID for the CAD push to remain unique as updates are sent from CAD. This could be a stream and unique to the record or patient depending on the capabilities of the CAD system. How the Unit Dispatched CAD Record ID is created could vary as it could be a concatenation of multiple elements or a true GUID.

eDisposition

eDisposition.02 – Destination Transferred To, Code
Comment Change

> **Old**: 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.

> **New**: May be populated from list in dFacility.03 (Facility Location Code) or dFacility.05 (Facility National Provider Identifier) if a health care facility.

eDisposition.10 – Disposition Location US National Grid Coordinates
Element Name Change

> **Old**: Disposition Location US National Grid Coordinates
> **New**: Destination Location US National Grid Coordinates

ID Change

> **Old**: DispositionLocationUSNationalGridCoordinates
> **New**: DestinationLocationUSNationalGridCoordinates

Definition Change

> **Old**: The US National Grid Coordinates for the Disposition Location. This may be the Healthcare Facility US National Grid Coordinates.

> **New**: The US National Grid Coordinates for the Destination Location. This may be the Healthcare Facility US National Grid Coordinates.

eDisposition.14 – Position of Patient During Transport
Enumeration Code/Description Changes

> **Old**: 4214009 = Other (Not Listed)
> **New**: 4214009 = Other

eDisposition.19 – Condition of Patient at Destination
Element Name Change

> **Old**: Condition of Patient at Destination
> **New**: Final Patient Acuity

NEMSIS v3.4.0 Build 150302   Monday
Page 39
Change Log   March 02, 2015

ID Change

Old: eDisposition.ConditionofPatientatDestination

New: eDisposition.FinalPatientAcuity

Definition Change

Old: The condition of the patient after care by EMS

New: The acuity of the patient's condition after EMS care.

Enumeration Code/Description Changes

Values Removed:

9916001 = Improved

9916003 = Unchanged

9916005 = Worse

New Values:

4219001 = Critical (Red)

4219003 = Emergent (Yellow)

4219005 = Lower Acuity (Green)

4219007 = Dead without Resuscitation Efforts (Black)

Comment Addition

New: 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

eDisposition.21 – Type of Destination

Comment Change

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

New: Required if Patient Transported by EMS.

eDisposition.22 – Hospital In-Patient Destination

Values Added

4222051 = Hospital-Oncology

4222053 = Hospital-Outpatient Surgery

eDisposition.23 – Hospital Designation

<u>Element Name Change</u>

Old: Hospital Designation
New: Hospital Capability

<u>ID Change</u>

Old: HospitalDesignation
New: HospitalCapability

<u>Comment Change</u>

Old: To be documented when in eDisposition.21 (Type of Destination) equals "4221003: Hospital-Emergency Department" or "4221005: Hospital-In Patient Bed" is selected.

New: To be documented when eDisposition.21 (Type of Destination) is 1) Hospital-Emergency Department, 2) Hospital-Non-Emergency Department Bed, or 3) Freestanding Emergency Department.

eExam

eExam.04 – Skin Assessment
Enumeration Code/Description Changes

Values Added:
3504035 = Capillary Nail Bed Refill less than 2 seconds
3504037 = Capillary Nail Bed Refill 2-4 seconds
3504039 = Capillary Nail Bed Refill more than 4 seconds

eExam.05 – Head Assessment
Enumeration Code/Description Changes

Old: 3505045 = Gunshot Wound-Unknown if Entry or Exit
New: 3505045 = Gunshot Wound

Values Removed:
3505025 = Gunshot Wound-Entry
3505027 = Gunshot Wound-Exit

eExam.06 – Face Assessment
Enumeration Code/Description Changes

Old: 3506047 = Gunshot Wound-Unknown if Entry or Exit
New: 3506047 = Gunshot Wound

Values Removed:
3506019 = Decapitation
3506027 = Gunshot Wound-Entry
3506029 = Gunshot Wound-Exit

eExam.07 – Neck Assessment
Enumeration Code/Description Changes

Old: 3507049 = Gunshot Wound-Unknown if Entry or Exit
New: 3507049 = Gunshot Wound

Values Removed:
3507021 = Gunshot Wound-Entry
3507023 = Gunshot Wound-Exit

eExam.08 – Chest/Lungs Assessment
Enumeration Code/Description Changes

Old: 3508103 = Tenderness
New: 3508103 = Tenderness-General

Old: 3508097 = Gunshot Wound-Unknown if Entry or Exit
New: 3508097 = Gunshot Wound

Values Removed:
3508043 = Gunshot Wound-Entry
3508045 = Gunshot Wound-Exit

eExam.10 – Abdominal Assessment Finding Location
Enumeration Code/Description Changes

Values Added:
3510013 = Epigastric

eExam.11 – Abdomen Assessment
Enumeration Code/Description Changes

Old: 3511053 = Gunshot Wound-Unknown if Entry or Exit
New: 3511053 = Gunshot Wound

Values Removed:
3511027 = Gunshot Wound-Entry
3511029 = Gunshot Wound-Exit

Values Added:
3511063 = Rebound Tenderness
3511065 = Rigidity

eExam.12 – Pelvis/Genitourinary Assessment
Enumeration Code/Description Changes

Old: 3512059 Gunshot Wound-Unknown if Entry or Exit
New: 3512059 Gunshot Wound

Values Removed:
3512029 = Gunshot Wound-Entry
3512031 = Gunshot Wound-Exit

eExam.13 – Back and Spine Assessment Finding Location
Enumeration Code/Description Changes

Values Removed:
3513027 = Crush Injury

eExam.14 – Back and Spine Assessment
Enumeration Code/Description Changes

      Old: 3514047 Gunshot Wound-Unknown if Entry or Exit
      New: 3514047 Gunshot Wound

      Values Removed:
      3514021 = Gunshot Wound-Entry
      3514023 = Gunshot Wound-Exit

eExam.16 – Extremities Assessment
Enumeration Code/Description Changes

      Old: 3516077 = Gunshot Wound-Unknown if Entry or Exit
      New: 3516077 = Gunshot Wound

      Values Removed:
      3516037 = Gunshot Wound-Entry
      3516039 = Gunshot Wound-Exit

      Values Added:
      3516083 = Arm Drift

eExam.19 – Mental Status Assessment
Enumeration Code/Description Changes

      Values Added:
      3519023 = Agitation
      3519025 = Somnolent
      3519027 = Stupor

eExam.20 – Neurological Assessment
Enumeration Code/Description Changes

      Values Added:
      3520051 = Arm Drift-Left
      3520053 = Arm Drift-Right

      Values Removed:
      3520047 = Reported Stroke Symptoms Resolved Prior to EMS Arrival
      3520049 = Reported Stroke Symptoms Resolved in EMS Presence

NEW ELEMENT: eExam.21 – Stroke/CVA Symptoms Resolved
      Definition: Indication if the Stroke/CVA Symptoms resolved and when.

      National Element = No

State Element = Yes

Usage = Recommended

Pertinent Negatives (PN) = Yes

      8801023 = Unable to Complete

NOT Values =Yes

      7701001 = Not Applicable

      7701003 = Not Recorded

      7701005 = Not Reporting

Is Nillable = Yes

Recurrence = 0:1

Restrictions:

3521001 = No

3521003 = Yes-Resolved Prior to EMS Arrival

3521005 = Yes-Resolved in EMS Presence

eHistory

eHistory.01 - Barriers to Patient Care
Enumeration Code/Description Changes

>**Values Added**:
>3101031 = State of Emotional Distress

eHistory.06 - Medication Allergies
Pertinent Negatives (PN) Changes

>**Added**: 8801021 = Unresponsive

eHistory.08 - Medical Surgical History
Pattern Change

>**Old**: ([A-QSTZ][0-9]{2})((\.[0-9A-Z]{1,3})?)
>**New**: ([A-QRSTZ][0-9][0-9A-Z])((\.[0-9A-Z]{1,3})?) | [0-9A-HJ-NP-Z]{3,7}

Comment Change

>**Old**: Code list is represented by ICD-10-CM. Reference the NEMSIS Suggested Lists
>at: http://nemsis.org/v3/resources.html
>
>ICD-10-CM
>Website - http://uts.nlm.nih.gov
>Product - UMLS Metathesaurus
>
>**New**: The Medical/Surgical History pattern has been extended to include ICD-10-CM: Diagnosis
>Codes and ICD-10-PCS: Procedural Health Intervention Codes.
>
>ICD-10-CM: Diagnosis Codes.
>Website - http://uts.nlm.nih.gov
>Product - UMLS Metathesaurus
>Please reference the NEMSIS Suggested Lists at: http://nemsis.org/v3/resources.html
>
>ICD-10-PCS has a seven character alphanumeric code structure. Each character contains up to 34
>possible values. Each value represents a specific option for the general character definition (e.g.,
>stomach is one of the values for the body part character).
>
>The ten digits 0-9 and the 24 letters A-H,J-N and P-Z may be used in each character. The letters
>O and I are not used in order to avoid confusion with the digits 0 and 1. There are no decimals in
>ICD-10-PCS.

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

Product - UMLS Metathesaurus

NOT Value Addition

7701005 = Not Reporting

eHistory.11 – Immunization Date

Element Name Change

Old: Immunization Date

New: Immunization Year

ID Change

Old: eHistory.ImmunizationDate

New: eHistory.ImmunizationYear

eHistory.14 – Current Medication Dosage Unit

Enumeration Code/Description Changes

Code	Description for eHistory.14	New Descriptors
3114001	cm	Centimeters (cm)
3114003	gms	Grams (gms)
3114005	gtts (drops)	Drops (gtts)
3114007	inches	Inches (in)
3114009	iu	International Units (IU)
3114011	kvo (keep vein open)	Keep Vein Open (kvo)
3114013	l/min (fluid administration)	Liters Per Minute (l/min [fluid])
3114015	liters	Liters (l)
3114017	LPM (gas administration)	Liters Per Minute (LPM [gas])
3114019	mcg	Micrograms (mcg)
3114021	mcg/kg/min	Micrograms per Kilogram per Minute (mcg/kg/min)
3114023	mcg/min	Micrograms per Minute (mcg/min)
3114025	meq	Milliequivalents (mEq)

3114027	metered dose	Metered Dose (MDI)
3114029	mg	Milligrams (mg)
3114031	mg/kg	Milligrams per Kilogram (mg/kg)
3114033	mg/kg/min	Milligrams per Kilogram Per Minute (mg/kg/min)
3114035	mg/min	Milligrams per Minute (mg/min)
3114037	ml	Milliliters (ml)
3114039	ml/hr	Milliliters per Hour (ml/hr)
3114041	other (Not Listed)	Other
3114043	puffs	Puffs
3114045	units/hr	Units per Hour (units/hr)
3114047	NEW	Micrograms per Kilogram (mcg/kg)
3114049	NEW	Units
3114051	NEW	Units per Kilogram per Hour (units/kg/hr)
3114053	NEW	Units per Kilogram (units/kg)

eInjury

eInjury.03 – Trauma Center Criteria
Enumeration Code/Description Changes

> **Old**: 2903007 = Glasgow Coma Score < 14
>
> **New**: 2903007 = Glasgow Coma Score <= 13

eInjury.04 – Vehicular, Pedestrian, or Other Injury Risk Factor
Enumeration Code/Description Changes

> **Old**: 2904009 = Crash Ejection (partial or complete) from vehicle
>
> **New**: 2904009 = Crash Ejection (partial or complete) from automobile

> **Values Added**
>
> 2904025 = Burn, without other trauma
>
> 2904027 = Burn, with trauma mechanism

Pertinent Negatives (NV) Removed

> **Values Removed**
>
> 8801005 = Exam Finding Not Present

eInjury.24 – ACN Incident PDOF
 Data Element Comment Change

> **Old**: Based on Vehicular Emergency Data Set: PDOF. Principal direction of the force of the impact to nearest o'clock reading.Values are 1 through 12 (e.g., 12=Frontal collision, 3=passenger side (right) collision, etc.). Vehicular Emergency Data Set(VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

> **New**: Based on Vehicular Emergency Data Set: PDOF. Principal direction of the force of the impact to nearest o'clock reading.Values are 1 through 12 (e.g., 12=Frontal collision, 3=passenger side (right) collision, etc.). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification
> (AACN) Joint APCO/NENA Data Standardization Working Group.

eInjury.25 – ACN Incident Rollover
Comment Change

Old: Based on Vehicular Emergency Data Set: Rollover. Indicates if the vehicle rolled over during the collision/event (e.g.,True=Rollover, False=No Rollover). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared:(February 2011) by the Advanced Automatic Crash Notification (AACN)Joint APCO/NENA Data Standardization Working Group.

New: Based on Vehicular Emergency Data Set: Rollover. Indicates if the vehicle rolled over during the collision/event (e.g., True=Rollover, False=No Rollover). Vehicular Emergency Data Set (VEDS) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN) Joint APCO/NENA Data Standardization Working Group.

eMedications

eMedication.06 – Medication Dosage Units

Enumeration Code/Description Changes

Code	Description for eMedications.06	New Descriptors
3706001	Grams	Grams (gms)
3706003	Inches	Inches (in)
3706005	International Units	International Units (IU)
3706007	Keep Vein Open (To Keep Open)	Keep Vein Open (kvo)
3706009	Liters	Liters (l)
3706011	Liters Per Minute	Liters Per Minute (l/min [fluid])
3706013	MDI Puffs	Metered Dose (MDI)
3706015	Micrograms	Micrograms (mcg)
3706017	Micrograms per Kilogram per Minute	Micrograms per Kilogram per Minute (mcg/kg/min)
3706019	Milliequivalents	Milliequivalents (mEq)
3706021	Milligrams	Milligrams (mg)
3706023	Milligrams Per Kilogram Per Minute	Milligrams per Kilogram Per Minute (mg/kg/min)
3706025	Milliliters	Milliliters (ml)
3706027	Milliliters Per Hour	Milliliters per Hour (ml/hr)
3706029	Other	Other
3706031	NEW	Centimeters (cm)
3706033	NEW	Drops (gtts)
3706035	NEW	Liters Per Minute (LPM [gas])
3706037	NEW	Micrograms per Minute (mcg/min)

3706039	NEW	Milligrams per Kilogram (mg/kg)
3706041	NEW	Milligrams per Minute (mg/min)
3706043	NEW	Puffs
3706045	NEW	Units per Hour (units/hr)
3706047	NEW	Micrograms per Kilogram (mcg/kg)
3706049	NEW	Units
3706051	NEW	Units per Kilogram per Hour (units/kg/hr)
3706053	NEW	Units per Kilogram (units/kg)

eOther

eOther.06 - The Type of Work-Related Injury, Death or Suspected Exposure

Enumeration Code/Description Changes

Code/Description Changes
Old: 4506005 = Death-Other (Not Listed)
New: 4506005 = Death-Other

Old: 4506025= Injury-Other (Not Listed)
New: 4506025= Injury-Other

Old: 4506029= Other (Not Listed)
New: 4506029= Other

eOther.09 - External Electronic Documents

Element Name Change

Old: External Electronic Documents
New: External Electronic Document Type

Definition Change

Old: Document types which have been electronically stored with PCR.
New: Document type which has been electronically stored with PCR.

Enumeration Code/Description Changes

Values Removed
4509023 = Sound Recording

Code/Description Changes
Old: 4509001 = Audio Recording
New: 4509001 = Other Audio Recording

Old: 4509013 = Healthcare Record
New: 4509013 = Other Healthcare Record

Old: 4509015 = Other (Not Listed)
New: 4509015 = Other

Old: 4509021 = Picture/Graphic
New: 4509021 = Other Picture/Graphic

Old: 4509025 = Video/Movie
New: 4509025 = Other Video/Movie

eOther.13 Signature Reason

Recurrence Change

Old: 0:1
New: 0:M

eOther.14 – Type Of Patient Representative

Enumeration Code/Description Changes

Old: 4514041 = Relative (Not Listed)
New: 4514041 = Other Relative

eOutcome

eOutcome.08 – Emergency Department Recorded Cause of Injury

Recurrence Change

Old: 0:1
New: 0:M

ePatient

ePatient.10 – Patient's Home Country

Element Name Change

Old: Patient's Home Country
New: Patient's Country of Residence

ID Change

Old: ePatient.PatientsHomeCountry
New: ePatient.PatientsCountryOfResidence

ePatient.12 – Social Security Number

Data Type Change

Old: Integer
New: String

New: Pattern: [0-9]{9}

ePatient.18 – Patient's Phone Number

Comment Change

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

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

ePayment

ePayment.10 – Insurance Company Name
Constraint Changes

Old: maxLength = 100
New: maxLength = 60

ePayment.13 – Insurance Company City
Comment Change

Old: 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

New: The city elements within the ePayment section have been updated to allow free text. This is important for mailing address purposes to submit claims and identify the correct payer.

ePayment.17 – Insurance Group ID/Name
Element Name Change

Old: Insurance Group ID/Name
New: Insurance Group ID

Definition Change

Old: The ID number or name of the patient's insurance group
New: The ID number of the patient's insurance group.

ePayment.27 – Closest Relative/Guardian City
Comment Change

Old: 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

New: The city elements within the ePayment section have been updated to allow free text. This is important for mailing address purposes to submit claims and identify the correct payer.

ePayment.35 – Patient's Employer's City

Comment Change

Old: 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

New: The city elements within the ePayment section have been updated to allow free text. This is important for mailing address purposes to submit claims and identify the correct payer.

ePayment.45 – Round Trip Purpose

Comment Change

Old: Added to improve billing documentation for CMS X12 based transactions.

This element should be documented when ePayment.43 (Ambulance Transport Code) code = X (Round Trip).

Ambulance providers can use this field to provide additional information regarding the circumstances of a round trip transport or for other medical necessity documentation.

New: Added to improve billing documentation for CMS X12 based transactions.

Ambulance providers can use this field to provide additional information regarding the circumstances of a round trip transport or for other medical necessity documentation.

ePayment.53 – Transport Authorization Code

Constraint Changes

Old: maxLength = 52
New: maxLength = 50

ePayment.56 – Number of Supply Item(s)

Comment Change

Old: Associated with ePayment.56 (Supply Item Used Name). Used to better track supply items for billing

New: Associated with ePayment.55 (Supply Item Used Name). Used to better track supply items for billing.

NEW ELEMENT: ePayment.57 – Payer Type

Name: Payer Type
Definition: Payer type according to X12 standard.
Data Type: PayerType

National Element = No
State Element = No
Usage = Optional

Pertinent Negatives (PN) = No
NOT Values = No

Enumeration Code/Definition
11 = Other Non-Federal Programs
12 = Preferred Provider Organization (PPO)
13 = Point of Service (POS)
14 = Exclusive Provider Organization (EPO)
15 = Indemnity Insurance
16 = Health Maintenance Organization (HMO) Medicare Risk
17 = Dental Maintenance Organization
AM = Automobile Medical
BL = Blue Cross/Blue Shield
CH = Champus
CI = Commercial Insurance Co.
DS = Disability
FI = Federal Employees Program
HM = Health Maintenance Organization
LM = Liability Medical
MA = Medicare Part A
MB = Medicare Part B
MC = Medicaid
OF = Other Federal Program
TV = Title V
VA = Veteran Affairs Plan
WC = Workers' Compensation Health Claim
ZZ = Mutually Defined

Data Element Comment:
This element should only be used if Insurance, Medicare, Medicaid, Workers Compensation, or Other Government are selected in ePayment.01 - Primary Method of Payment.

NEW ELEMENT: ePayment.58 – Insurance Group Name

Name: Insurance Group Name
Definition: The name of the patient's insurance group.
Data Type: InsuranceGroupName

National Element = No
State Element = No
Usage = Optional

Pertinent Negatives (PN) = No
NOT Values = No

Constraints
Data Type = String
minLength = 2
maxLength = 30

*Note: Element is found directly after ePayment.22

eProcedures

eProcedures.06 – Procedure Successful
Definition Change

Old: Indicates that this procedure attempt which was performed on the patient was successful.
New: Indicates that this individual procedure attempt which was performed on the patient was successful.

eProcedures.07 – Procedure Complication
Enumeration Code/Description Changes

Values Removed
3907029 = Itching/Urticaria
3907037 = Portacath

Values Added
3907049 = Itching
3907051 = Urticaria

eProcedures.13 – Vascular Access Location
Enumeration Code/Description Changes

Old: 3913055 = Other Peripheral (Not Listed)
New: 3913055 = Other Peripheral

Old: 3913057 = Other Central (PICC, Portacath, Not Listed)
New: 3913057 = Other Central (PICC, Portacath, etc.)

eProtocols

eProtocols.01 - Protocols Used
Value Changes or Additions

See SimpleType: ProtocolsUsed for detailed list (pages 19-20).

eRecord

eRecord.01 – Patient Care Report Number

<u>Constraint Changes</u>

Old: maxLength = 32
New: maxLength = 50

eResponse

eResponse.03 – Incident Number
Constraint Changes

Old: MaxLength = 32
New: MaxLength = 50

eResponse.04 – EMS Response Number
Constraint Changes

Old: MaxLength = 32
New: MaxLength = 50

eResponse.09 – Type of Response Delay
Enumeration Code/Description Changes

Old: 2209017 = Route Obstruction (e.g., train)
New: 2209017 = Route Obstruction (e.g., Train)

eResponse.12 – Type of Turn-Around Delay
Comment Change

Old: 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 (eTimes15) [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].

New: 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.11) 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].

eResponse.16 – Vehicle Dispatch Location
Definition Change

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

New: The EMS location or healthcare facility representing the geographic location of the unit or crew at the time of dispatch.

eResponse.18 – Vehicle Dispatch US National Grid Location
Element Name Change

Old: Vehicle Dispatch US National Grid Location
New: Vehicle Dispatch Location US National Grid Coordinates

eScene

eScene.14 – Mile Post or Major Roadway
<u>NOT Value Addition</u>

7701005 = Not Reporting

<u>Constraint Changes</u>

Old: minLength = 2
New: minLength = 1

eScene.15 – Incident Street Address
<u>NOT Value Addition</u>

7701005 = Not Reporting

eScene.16 – Incident Apartment, Suite, or Room
<u>NOT Value Addition</u>

7701005 = Not Reporting

eSituation

eSituation.01 – Date/Time of Symptom Onset

Element Name Change

> **Old**: Date/Time of Symptom Onset/Last Normal
> **New**: Date/Time of Symptom Onset

Definition Change

> **Old**: The date and time the symptom began as it relates to this EMS event. This is described or estimated by the patient, family, and/or healthcare professionals.

> **New**: The date and time the symptom began (or was discovered) as it relates to this EMS event. This is described or estimated by the patient, family, and/or healthcare professionals.

Comment Change

> **Old**: For stroke related events, this is the date and time the patient was last seen normal. For cardiac or respiratory arrest related events, this is the date and time the patient was last known to have a pulse or when interaction was had with the patient. For drowning related events, this is the date and time the patient was last seen. The intent of this element is to document the estimate date and time the patient was last known to be in their normal state.

> **New:**
> 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

NEW ELEMENT: eSituation.18 – Date/Time Last Known Well

Definition: The estimated date and time the patient was last known to be well or in their usual state of health. This is described or estimated by the patient, family, and/or bystanders.

National Element = No

State Element = No

Usage = Optional

Pertinent Negatives (PN) = No

NOT Values = No

Is Nillable = No

Recurrence = 0:1

Restrictions: CommonType: DateTime

Associated performance Measure Initiatives

Airway, Cardiac Arrest, Pediatric, STEMI Stroke, Trauma

Data Element Comment:

For stroke related events, this is the date and time the patient was last seen normal. For cardiac or respiratory arrest related events, this is the date and time the patient was last known to have a pulse or when interaction was had with the patient. For drowning related events, this is the date and time the patient was last seen. For injury or trauma related events, this is the date and time the patient was injured.

eVitals

eVitals.16 – Carbon Dioxide (CO2)

Name Change

> **Old**: Carbon Dioxide (CO2)
> **New**: End Tidal Carbon Dioxide (ETCO2)

Definition Change

> **Old**: The numeric value of the patient's end-tidal CO2 level.
>
> **New**: The numeric value of the patient's exhaled end tidal carbon dioxide (ETCO2) level measured as a unit of pressure in millimeters of mercury (mmHg).

Constraint Change

> **maxInclusive**
> **Old**: 100
> **New**: 200

Data Element Comment

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

eVitals.17 – Carbon Monoxide (CO)

Definition Change

> **Old**: The patient's carbon monoxide level measured in %COHb.
>
> **New**: The numeric value of the patient's carbon monoxide level measured as a percentage (%) of carboxyhemoglobin (COHb).

NOT Value Addition

> 7701005 = Not Reporting

Constraint Changes

> **Data Type**
> > **Old:** integer
> > **New:** Decimal

New: Fractions = 1

New: Total Digits = 3

Comment Change

Old: Added to allow use of a new patient monitoring device

New: Added to allow use of new patient monitoring devices.

eVitals. 18 - Blood Glucose Level

Comment Addition

New: For glucometers with "High" and "Low" readings, report "600" for "High" and "20" for "Low".

CAD

CAD – Elements Removed (9)

DEM DataSet Elements Removed (5)

      eCad.01 - EMS Agency Unique State ID (dAgency.01)

      eCad.02 - EMS Agency Number (dAgency.02)

      eCad.03 - EMS Agency Name (dAgency.03)

      eCad.04 - EMS Agency State (dAgency.04)

      eCad.05 - Dispatch Center (CAD) Name or ID (dConfiguration.17)

EMS DataSet Elements Removed (4)

      eCad.16 - Type of Scene Delay (eResponse.10)

      eCad.17 - Type of Transport Delay (eResponse.11)

      eCad.18 - Type of Turn-Around Delay (eResponse.12)

      eCad.77 - Triage Classification for MCI Patient (eScene.08)

CAD – All Elements Made Optional

Element Usage Changes

      Usage: Optional

      MinOccurs: 0

      Remove NOT Values (NV) Attribute

      Removed xsi:nil="true"

      Elements Affected (5)

      eCad.07 - (eResponse.01) EMS Agency Number

      eCad.08 - (eResponse.02) EMS Agency Name

      eCad.09 - (eResponse.03) Incident Number

      eCad.31 - (eDispatch.01) Complaint Reported by Dispatch

      eCad.38 - (eTimes.03) Unit Notified by Dispatch Date/Time

CAD – EMS DataSet Elements Added

eCrew.CrewGroup

      State = No

      Usage = Optional

      PN = No

      NOT Values = No

      0:M eCAD.CrewGroup (the 3 elements from eCrew)

          eCad.110 - (eCrew.01) Crew Member ID

eCad.111 - (eCrew.02) Crew Member Level

eCad.112 - (eCrew.03)Crew Member Response Role

eDisposition.12 - Incident/Patient Disposition

CAD Element: eCad.113 - (eDisposition.12) Incident/Patient Disposition

State = No

Usage = Optional

PN = No

NOT Values = No

eDispatch.06 - Unit Dispatched CAD Record ID

CAD Element: eCad.114 - (eDispatch.06) Unit Dispatched CAD Record ID

Location: between eCad.34 & eCad.36

State = No

Usage = Optional

PN = No

NOT Values = No

*Note: element is found directly after eCad.35

eCAD – (Grouping Tag)
Recurrence Changes

Old: 1:1

New: 1:M

eCustomResults moved from CADDataSet tag to eCAD tag

eCad.06 – (eRecord.01) Patient Care Report Number
Constraint Changes

Old: maxLength = 32

New: maxLength = 50

eCad.09 – (eResponse.03) Incident Number
Constraint Changes

Old: MaxLength = 32

New: MaxLength = 50

eCad.10 – (eResponse.04) EMS Response Number
Constraint Changes

>   **Old:** MaxLength = 32
>   **New**: MaxLength = 50

eCad.22 – (eResponse.16) Vehicle Dispatch Location
Definition Change

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

>   **New**: The EMS location or healthcare facility representing the geographic location of the unit or crew at the time of dispatch.

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

eCad.24 – (eResponse.18) Vehicle Dispatch US National Grid Location
Element Name Change

>   **Old**: eCad.24 - (eResponse.18) Vehicle Dispatch US National Grid Location
>   **New**: eCad.24 - (eResponse.18) Vehicle Dispatch Location US National Grid Coordinates

ID Change

>   **Old**: eCad.24 - (eResponse.18) Vehicle Dispatch US National Grid Location
>   **New**: eCad.24 - (eResponse.18) Vehicle Dispatch Location US National Grid Coordinates

eCad.35 – (eDispatch.05) Dispatch Priority (Patient Acuity)
Comment Change

Old: 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.

Provided below is an example application only. This example bears no relationship to any particular federal, state, or agency billing requirement

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

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

New: The use of acuity values vary by EMS agency. Some systems may utilize fewer than four levels and some more. The use of four 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.

Provided below is an example application only. This example bears no relationship to any particular federal, state, or agency billing requirement.

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 = Critical	Charlie = Emergent	Alpha = Lower Acuity

Delta = Critical	Bravo = Emergent	Omega = Non-Acute

Patient Acuity 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

For Air Medical Transports the most appropriate values choices should be limited to two: Emergent and Non-Acute.

Enumeration Code/Description Change

Old: 2305001 = Priority 1 (Critical)
New: 2305001 = Critical

Old: 2305003 = Priority 2 (Emergent)
New: 2305003 = Emergent

Old: 2305005 = Priority 3 (Lower Acuity)
New: 2305005 = Lower Acuity

Old: 2305007 = Priority 4 (Non-Acute [e.g. Scheduled Transfer or Standby])
New: 2305007 = Non-Acute (e.g., Scheduled Transfer or Standby)

eCad.53 – (ePatient.02) Last Name
Comment Removed

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

eCad.54 – (ePatient.02) First Name
Comment Removed

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

eCad.83 – (eScene.14) Mile Post or Major Roadway
Constraint Changes

Old: minLength = 2
New: minLength = 1

eCad.94 – (eDisposition.02) Destination Transferred To, Code
Comment Change

Old: 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.

New: May be populated from list in dFacility.03 (Facility Location Code) or dFacility.05 (Facility National Provider Identifier) if a health care facility.

eCad.102 – (eDisposition.10) Disposition Location US National Grid Coordinates
Element Name Change

Old: Disposition Location US National Grid Coordinates
New: Destination Location US National Grid Coordinates

ID Change

Old: DispositionLocationUSNationalGridCoordinates
New: DestinationLocationUSNationalGridCoordinates

Definition Change

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

New: The US National Grid Coordinates for the Destination Location. This may be the Healthcare Facility US National Grid Coordinates.

eCad.107 – (eDisposition.21) Type of Destination
Comment Change

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

New: Required if Patient Transported by EMS.

MED Device

MED Device – Elements Removed (13)

DEM DataSet Elements Removed (9)

eMedDevice.01 - (dAgency.01) EMS Agency Unique State ID
eMedDevice.02 - (dAgency.02) EMS Agency Number
eMedDevice.03 - (dAgency.03) EMS Agency Name
eMedDevice.04 - (dAgency.04) EMS Agency State
eMedDevice.05 - (dDevice.01) Medical Device Serial Number
eMedDevice.06 - (dDevice.02) Medical Device Name or ID
eMedDevice.07 - (dDevice.03) Medical Device Type
eMedDevice.08 - (dDevice.04) Medical Device Manufacturer
eMedDevice.09 - (dDevice.05) Medical Device Model Number

EMS DataSet Elements Removed (4)

eMedDevice.01 - (ePatient.17) Date of Birth
eMedDevice.CardiacRhythmGroup (3):
eMedDevice.20 -(eVitals.03) Cardiac Rhythm / Electrocardiography (ECG)
eMedDevice.21 -(eVitals.04) ECG Type
eMedDevice.22 -(eVitals.05) Method of ECG Interpretation

MED Device – All Elements Made Optional

Element Usage Changes

Usage: Optional
MinOccurs: 0

Elements Affected
eMedDevice.10 - (eRecord.01) Patient Care Report Number

eMedDevice.10 – (eRecord.01) Patient Care Report Number

Constraint Changes

Old: maxLength = 32
New: maxLength = 50

eMedDevice.31 – (eVitals.16) Carbon Dioxide (CO2)

Name Change

Old: Carbon Dioxide (CO2)
New: End Tidal Carbon Dioxide (ETCO2)

<u>Definition Change</u>

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

New: The numeric value of the patient's exhaled end tidal carbon dioxide (ETCO2) level measured as a unit of pressure in millimeters of mercury (mmHg).

<u>Constraints Changes:</u>

1) DataType = Integer
2) minInclusive = 0
3) maxInclusive = 200

<u>Comment Change</u>:

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

New:

eMedDevice.32 – (eVitals.17) Carbon Monoxide (CO)
<u>Definition Change</u>

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

New: The numeric value of the patient's carbon monoxide level measured as a percentage (%) of carboxyhemoglobin (COHb).

<u>Constraint Changes</u>

Data Type
    Old: integer
    New: Decimal

    New: Fractions = 1
    New: Total Digits = 3

<u>Comment Change</u>

Old: Added to allow use of a new patient monitoring device
New: Added to allow use of new patient monitoring devices.

NEMSIS v3.4.0 Build 150302   Monday
Page 77
Change Log   March 02, 2015