NEMSIS v3.4.0, Build 150302 Change Log

Introduction / Overview March 2, 2015

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.

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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	elnjury	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	1018003	Other (ex: Government)	Other (e.g., Government)	Code List
Agency Organizational				
Tax Status				

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
dFacility.04 - Hospital Designations	N/A	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
dLocation.07 - EMS Location City	N/A	The city of the EMS location type (e.g. fixed station, substation, 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 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.	This element can be used to identify the dispatch center (Primary or Secondary Public Safety Answering Point - PSAP) that dispatches the EMS agency. If the EMS agency is able to populate the Patient Care Report (PCR) with CAD specific details (times, incident address information, crew information, EMD, etc.) the name or ID of the dispatch center should be documented.	Comment
eDispatch.05 - Dispatch Priority (Patient Acuity)	2305007	Priority 4 (Non-Acute [e.g. Scheduled Transfer or Standby])	Priority 4 (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
elnjury.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
elnjury.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
elnjury.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
elnjury.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

N/A N/A 4509005	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. 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. Diagnostic Image (CT, X-ray,	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. 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. Diagnostic Image (CT, X-Ray,	Comment
4503003	US, etc)	US, etc.)	Code List
43	Discharged/transferred to a Federal Health Care Facility (e.g. VA or federal health care facility) Discharged/transferred to a	Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility) Discharged/transferred to a	Code List
	N/A 4509005 43	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. 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. 4509005 Diagnostic Image (CT, X-ray, US, etc) 43 Discharged/transferred to a Federal Health Care Facility (e.g. VA or federal health care facility)	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. 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. 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. 4509005 Diagnostic Image (CT, X-ray, US, etc.) Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility) Emergency Data Set: Principal direction of the force of the impact to nearest o'clock reading. Values are 1 through 12 (e.g., 12=Frontal collision, eact 1 through 12 (e.g., 12=Frontal collision, apeased or leage, Cles., Values are 1 through 12 (e.g., 12=Frontal collision, acach (vEDs) Recommendations. Version 3.0 Prepared: (February 2011) by the Advanced Automatic Crash Notification (AACN) Joint APCO/NENA Data Standardization Working Group. 4509005 Diagnostic Image (CT, X-ray, US, etc.) Discharged/transferred to a Federal Health Care Facility (e.g., VA or federal health care facility)

LaQuitagma 00	NI/A	ICD 10 DCC has a server	ICD 10 DCC has a server	Comment
eOutcome.09 -	N/A	ICD-10-PCS has a seven	ICD-10-PCS has a seven	Comment
Emergency		character alphanumeric	character alphanumeric	
Department		code structure. Each	code structure. Each	
Procedures		character contains up to 34	character contains up to 34	
		possible values. Each value	possible values. Each value	
		represents a specific option	represents a specific option	
		for the general character	for the general character	
		definition (e.g., stomach is	definition (e.g., Stomach is	
		one of the values for the	one of the values for the	
		body part character). The	body part character). The	
		ten digits 0-9 and the 24	ten digits 0-9 and the 24	
		letters A-H,J-N and P-Z may	letters A-H,J-N and P-Z may	
		be used in each character.	be used in each character.	
		The letters O and I are not	The letters O and I are not	
		used in order to avoid	used in order to avoid	
		confusion with the digits 0	confusion with the digits 0	
		and 1.	and 1.	
		Website -	Website -	
		http://uts.nlm.nih.gov	http://uts.nlm.nih.gov	
		Product - UMLS	Product - UMLS	
		Metathesaurus	Metathesaurus	
eOutcome.12 -	N/A	ICD-10-PCS has a seven	ICD-10-PCS has a seven	Comment
Hospital Procedures		character alphanumeric	character alphanumeric	
		code structure. Each	code structure. Each	
		character contains up to 34	character contains up to 34	
		possible values. Each	possible values. Each	
		value represents a specific	value represents a specific	
		option for the general	option for the general	
		character definition (e.g.,	character definition (e.g.,	
		stomach is one of the values	Stomach is one of the	
		for the body part	values for the body part	
		character). The ten digits 0-	character). The ten digits 0-	
		9 and the 24 letters A-H,J-N	9 and the 24 letters A-H,J-N	
		and P-Z may be used in each	and P-Z may be used in	
		character. The letters O and	each character. The letters	
		I are not	O and I are not	
		used in order to avoid	used in order to avoid	
		confusion with the digits 0	confusion with the digits 0	
		and 1.	and 1.	
		Website -	Website -	
		http://uts.nlm.nih.gov	http://uts.nlm.nih.gov	
		Product - UMLS	Product - UMLS	
		Metathesaurus	Metathesaurus	
ePayment.04 - Reason	2604023	Orthopedic device	Orthopedic device	Code List
for Physician	200 4023	(backboard, halo, use of	(backboard, halo, use of	Source Eloc
Certification		pins in traction, etc)	pins in traction, etc.)	
Statement		requiring special handling in	requiring special handling in	
Statement		transit	transit	
		Callat	CONTO	

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	2210039	Mechanical Issue-Unit,	Mechanical Issue-Unit,	Code List
of Scene Delay	2211021	Equipment, etc	Equipment, etc.	Codo List
eResponse.11 - Type	2211031	Patient Condition Change	Patient Condition Change	Code List
of Transport Delay eResponse.12 - Type	2212021	(e.g. Unit Stopped) Route Obstruction (e.g.	(e.g., Unit Stopped) Route Obstruction (e.g.,	Code List
of Turn-Around Delay	2212021	Train)	Train)	Code List
eResponse.12 - Type	N/A	Rendezvous Transport	Rendezvous Transport	Comment
of Turn-Around Delay	14,71	Unavailable added for	Unavailable added for	Comment
		situations where there is a	situations where there is a	
		wait for an EMS Transport	wait for an EMS Transport	
		Unit, a Ferry, Air Medical,	Unit, a Ferry, Air Medical,	
		etc to return to service.	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	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].	times].	
eVitals.15 -	3315005	Mechanically Assisted	Mechanically Assisted	Code List
Respiratory Effort		(BVM, CPAP,etc)	(BVM, CPAP, etc.)	
eDisposition.23 -	N/A	The designation associated	The designation associated	HospitalDesignation
Hospital Designation		with the hospital for this	with the hospital for this	SimpleType Documentation
I	1	transport (e.g. Trauma,	transport (e.g., Trauma,	Tag

		STEMI, Peds, etc).	STEMI, Peds, etc.).	
eDisposition.22 -	N/A	The location within the	The location within the	HospitalInPatientDestination
Hospital In-Patient		hospital that the patient	hospital that the patient	SimpleType Documentation
Destination		was taken directly by EMS	was taken directly by EMS	Tag
		(e.g. Cath Lab, ICU, etc.)	(e.g., Cath Lab, ICU, etc.).	
elnjury.19 - ACN	N/A	The Automated Collision	The Automated Collision	Model SimpleType
Incident Vehicle Model		Notification Vehicle Model	Notification Vehicle Model	Documentation Tag
		(e.g. Escalade, Taurus,	(e.g., Escalade, Taurus,	
		X6M).	X6M).	
eCad.15 – Type of	N/A	Rendezvous Transport	Rendezvous Transport	Comment
Response Delay		Unavailable added for	Unavailable added for	
		situations where there is a	situations where there is a	
		wait for an EMS Transport	wait for an EMS Transport	
		Unit, a Ferry, Air Medical,	Unit, a Ferry, Air Medical,	
		etc to return to service.	etc. to return to service.	
		A response delay is any time	A response delay is any	
		delay that occurs from the	time delay that occurs from	
		time the unit is notified by	the time the unit is notified	
		dispatch (eTimes.03) to the	by dispatch (eTimes.03) to	
		time the unit arrived on	the time the unit arrived on	
		scene (eTimes.06).	scene (eTimes.06).	
dConfiguration.17 -	N/A	This element can be used to		Comment
Dispatch Center (CAD)		identify the dispatch center		
Name or ID		(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		
IF 112 04 11 21 1		exists.		1.6
dFacility.04 - Hospital		The designation(s)	The designation(s)	definition
Designations		associated with the hospital	associated with the hospital	
		(e.g., Trauma, STEMI, Peds,	(e.g., Trauma, STEMI, Peds,	
aCad 15		etc)	etc.)	comment
eCad.15 -		Rendezvous Transport	Rendezvous Transport	comment
eResponse.09		Unavailable added for	Unavailable added for	
		situations where there is a	situations where there is a	
		wait for an EMS Transport	wait for an EMS Transport	
		Unit, a Ferry, Air Medical,	Unit, a Ferry, Air Medical,	
		etc to return to service.	etc. to return to service.	
		A response delay is any time	A response delay is any	
		delay that occurs from the time the unit is notified by	time delay that occurs from the time the unit is notified	
		-		
		dispatch (eTimes.03) to the time the unit arrived on	by dispatch (eTimes.03) to the time the unit arrived on	
	L	scene	scene	

		(eTimes.06).	(eTimes.06).	
eCad.18 -		Rendezvous Transport	Rendezvous Transport	comment
eResponse.12		Unavailable added for	Unavailable added for	
		situations where there is a	situations where there is a	
		wait for an EMS Transport	wait for an EMS Transport	
		Unit, a Ferry, Air Medical,	Unit, a Ferry, Air Medical,	
		etc to return to service.	etc. to return to service.	
		If a patient is being	If a patient is being	
		transported by the unit,	transported by the unit,	
		turn-around delay is any	turn-around delay is any	
		time delay that occurs from	time delay that occurs from	
		the time the patient arrived	the time the patient arrived	
		at the destination	at the destination	
		(eTimes.10) until the time	(eTimes.10) until the time	
		the unit is back in service	the unit is back in service	
		(eTimes.13) or unit back at	(eTimes.13) or unit back at	
		the home location	the home location	
		(eTimes15) [whichever is	(eTimes15) [whichever is	
		the greater of the two	the greater of the two	
		times].	times].	
		If no patient is being	If no patient is being	
		transported by the unit,	transported by the unit,	
		turn-around delay is any	turn-around delay is any	
		time delay that occurs from	time delay that occurs from	
		the time the unit arrived on	the time the unit arrived on	
		scene (eTimes.06) until the	scene (eTimes.06) until the	
		unit is back in service	unit is back in service	
		(eTimes.13) or the unit back	(eTimes.13) or the unit back	
		at the home location	at the home location	
		(eTimes.15) [whichever is	(eTimes.15) [whichever is	
		the greater of the two	the greater of the two	
		times].	times].	
eDevice.06 – Medical	N/A	Medical Device Mode	Medical Device Mode	Element name
Device Mode (Manual,		(Manual, AED, Pacing, CO2,	(Manual, AED, Pacing, CO2,	
AED, Pacing, CO2, O2,		O2, etc)	O2, etc.)	
etc.)				
eMedDevice.48 -	N/A	Medical Device Mode	Medical Device Mode	Element name
Medical Device Mode		(Manual, AED, Pacing, CO2,	(Manual, AED, Pacing, CO2,	
(Manual, AED, Pacing,		O2, etc)	O2, etc.)	
CO2, O2, etc.)				

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

Constraint Changes

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

Elements Affected (15)

DEM DataSet (8):

dFacility.11 - Facility County

dAgency.06 - EMS Agency Service Area County(ies)

dLocation.10 - EMS Location County

dAgency.06 - EMS Agency Service Area County(ies)

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

Constraint Changes

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 = 2maxLength = 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

NOT Value Addition

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

${\bf dCustomConfiguration.CustomGroup-CustomElementID\ Attribute}$

Use Change

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

Definition 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: 1:1
Constraints

a) Data Type: Stringb) minLength: 3c) 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

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

Element Name Change

Old: Hospital Designation **New**: Hospital Capability

ID Change

Old: HospitalDesignation **New**: HospitalCapability

Comment Change

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 350527 = 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

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

Comment Removed

Old: Added Obesity, Sight Impaired, Psychologically Impaired

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})?) or [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	I/min (fluid administration)	Liters Per Minute (I/min [fluid])
3114015	liters	Liters (I)
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

elnjury.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

eIniury.24 - ACN Incident PDOF

Enumeration Code/Description Changes

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 (I)
3706011	Liters Per Minute	Liters Per Minute (I/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.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

Description 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

Constraint Changes

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**: 220917 = 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

NOT Value Addition

7701005 = Not Reporting

Constraint Changes

Old: minLength = 2 **New**: minLength = 1

eScene.15 - Incident Street Address

NOT Value Addition

7701005 = Not Reporting

eScene.16 - Incident Apartment, Suite, or Room

NOT Value Addition

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 - 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)

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).

Constraints Changes:

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

Comment Change:

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)

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).

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.