

# NEMESIS v3.2.1 Change Log

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## Overview

This change log, dated **March 21 2012**, characterizes revisions made since the **January 20, 2012** NEMESIS Version 3.2.1 Release.

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

## General Changes

### XML Schemas Removed

censustracts.xsd  
mmucc.xsd  
reference.xsd

### ICD10 Pattern Modified

**Old:** [0-9A-HJ-NP-Z][0-9A-Za-z]{1,6}

**New:** [A-Z][0-9]{2}\.[0-9A-Z]{3}

**Affected Elements:** ePayment.51, eOutcome.09, eOutcome.10, eOutcome.12, eOutcome.13

## CommonTypes XSD

### Simple Type "CensusTracts"

Added From censustracts.xsd

### Simple Type "GPSLocation"

Pattern Change

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

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

**Affected Elements:** dFacility.13, dLocation.04, eCad.23, eCad.80, eCad.101, eDisposition.09, eInjury.15, eResponse.17, eScene.11

### Simple Type "GraphicType"

Restriction Change

**Old:** Enumeration

**New:** String literal  
minLength=1  
maxLength=255

**Affected Elements:** eDevice.04, eLabs.07, eMedDevice.41, eMedDevice.46, eOther.10, eOther.17

### Simple Type "ICD10"

Pattern Change

**Old:** [0-9A-HJ-NP-Z][0-9A-Za-z]{1,6}

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

**Affected Elements:** eOutcome.09, eOutcome.10, eOutcome.12, eOutcome.13, ePayment.51

### Simple Type "ICD10CodeInjury"

Pattern Change

**Old:** (T((65\.(9[0-4][0-9]) | (9[0-4]) | (9))) | (3[6-9]\.[0-9][0-9]{0,2}) | (([4-5][0-9]\.[0-9][0-9]{0,2}) | (6[0-4]\.[0-9][0-9]{0,2}) | (65\.[0-8][0-9]{0,2}))) | (T((71\.(1[1-9][0-9]) | (1[1-9]))) | (71\.(2-9)[0-9]{0,2}))) | (T((75\.(0[0-9][0-9]) | (0[0-9]) | (00))) | (75\.(1-9)[0-9]{0,2}) | (76\.[0-8][0-9]{0,2}) | (76\.(9[0-2][0-9]{0,1}) | (9)))) | ([V-W][0-9][0-9]\.[0-9][0-9]{0,2}) | (Y[0-2][0-9]\.[0-9][0-9]{0,2})

9]{0,2})|(Y3[0-8]\.[0-9]{0,2})|(T((65\.(9[0-4][0-9])|(9[0-4])|(9)))|(3[6-9]\.[0-9]{0-9}{0,2})|([4-5][0-9]\.[0-9]{0,2})|(6[0-4]\.[0-9]{0,2})|(65\.[0-8][0-9]{0,2})))

**New:** ([TV-Y][0-9]{2})(\.[0-9A-Z]{1,7})?

**Affected Elements:** eInjury.01, eOutcome.08

### Simple Type "Icd10MedSurge"

Pattern Change

**Old:** ((([A-QS][0-9]{2})|(T((([0-2][0-9])|(3[0-4]))))(\.[0-9]{1,3})?)|(T((79)|(8[067]))(\.[0-9]{1,3})?)|(T88(\.(0)|(1)|(4)|(6)|(7))))|(Z((7[7-9])|(8[0-7])|(89)|(9[0-9]))(\.[0-9]{1,3})?)|((T73)|(Z((5[5-9])|(6[0-5])|(7[2-4]))))(\.[0-9])?)|(T((6[6-9])|(7(0|8))))(\.[0-9]{1,2})?)

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

**Affected Elements:** eHistory.08

## dAgency

[Remove reference to censustracts.xsd](#)

### dAgency.02 - EMS Agency Number

Comment Change

**Old:** This is the primary identifier for the entire Demographic Section. Each of the Demographic sections must be associated with an EMS Agency Number. An EMS Agency can have more than one Agency Number within a state. This reflects the ability for an EMS Agency to have a different number for each service type or location (based on state implementation).

**New:** This is the primary identifier for the entire Demographic Section. Each of the Demographic sections must be associated with an EMS Agency Number. An EMS Agency can have more than one Agency Number within a state. This reflects the ability for an EMS Agency to have a different number for each service type or location (based on state implementation). The EMS Agency Number in dAgency.02 can be used to auto-populate eResponse.01 EMS Agency Number in the EMS Event section.

## dConfiguration

[Simple Type "CallSignRole" Removed](#)

## dContact

[dContact.EMSMedicalDirectorGroup](#)

Moved under "dContact.ContactInfoGroup"

"maxOccurs" Constraint Change

**Old:** M

**New:** 1

## DEMDataset

### Attribute "timeStamp"

Data Type Change

**Old:** xs:date

**New:** DateTimeType"

## dVehicle

### dVehicle.06 – Number of Each EMS Personnel Level on Normal 911 Ambulance Response

Comment Change

**Old :** Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.04 (Crew State Certification/Licensure Levels).

**New:** Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.05 (Crew State Certification/Licensure Levels).

### dVehicle.07 – Number of Each EMS Personnel Level on Normal 911 Response (Non-Transport) Vehicle

Comment Change

**Old :** Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.04 (Crew State Certification/Licensure Levels).

**New:** Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.05 (Crew State Certification/Licensure Levels).

### dVehicle.08 - Number of Each EMS Personnel Level on Normal Medical (Non-911) Transport Ambulance

Comment Change

**Old :** Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.04 (Crew State Certification/Licensure Levels).

**New:** Indicate the number of each of the following EMS Personnel levels on the crew. Associated with each Certification/Licensure Level in dVehicle.05 (Crew State Certification/Licensure Levels).

## eArrest

### eArrest.08 - Who Used AED Prior to EMS Arrival

Definition Change

**Old:** Documentation of who performed CPR prior to this EMS unit's arrival.

**New:** Documentation of who used the AED prior to this EMS unit's arrival

## eDevice

### eDevice.04 - Medical Device Waveform Graphic Type

#### Definition Change

**Old:** The type of waveform file stored in Waveform Graphic

**New:** The description of the waveform file stored in Waveform Graphic (eDevice.05).

#### Comment Change

**Old:**

**New:** The description is defined as the extension of the file type.

Examples of file name extensions include “doc”, “jpeg”, “tiff”, etc. For a list of additional extensions reference the following website(s):

&lt;br/>

&lt;table>&lt;tr>&lt;td width="10px">&lt;/td>&lt;td>

&lt;table>

&lt;tr>&lt;td>3D Image formats: &lt;span

style="color:blue">[http://www.fileinfo.com/filetypes/3d\\_image](http://www.fileinfo.com/filetypes/3d_image)&lt;/span>&lt;/td>&lt;/tr>

&lt;tr>&lt;td>Raster Image formats: &lt;span

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&lt;/table>

&lt;/td>&lt;/tr>&lt;/table>

### Simple Type "AEDPacingOrCO2Mode"

#### Data Type Change

**Old:** Integer

**New:** String

## eDispatch

### Simple Type "DispatchPriority"

Definition Added

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

## eDisposition

### eDisposition.06 - Destination County

NOT Value "NV.NotReporting" Removed

### Simple Type "DestinationPrearrivalActivation"

Definition Added

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

### Simple Type "IncidentPatientDisposition"

Code 4212013 Definition Change

**Old:** Patient Dead at Scene-No EMS Transport

**New:** Patient Dead at Scene-No Resuscitation Attempted

Code 4212019 Definition Change

**Old:** Patient Dead at Scene-Transported by EMS

**New:** Patient Dead at Scene-Resuscitation Attempted

Choices Added to Enumerated List

**New:** Patient Dead at Scene-No Resuscitation Attempted (With Transport)

**New:** Patient Dead at Scene-No Resuscitation Attempted (Without Transport)

**New:** Patient Dead at Scene-Resuscitation Attempted (With Transport)

**New:** Patient Dead at Scene-Resuscitation Attempted (Without Transport)

Codes Values Shifted

## eExam

### eExam.AssessmentGroup

ID Change

**Old:** eExam.GroupAssessment

**New:** eExam.AssessmentGroup

### eExam. AbdomenGroup

ID Change

**Old:** eExam.AssessmentAbdomen

**New:** eExam.AbdomenGroup

#### **eExam.04 – Skin Assessment**

Code 3504029 Description Change

**Old:** Red (Erythmatous)

**New:** Red (Erythematous)

#### **eExam.SpineGroup**

ID Change

**Old:** eExam.AssessmentSpine

**New:** eExam.SpineGroup

#### **eExam.ExtremityGroup**

ID Change

**Old:** eExam.AssessmentExtremities

**New:** eExam.ExtremityGroup

#### **eExam.EyeGroup**

ID Change

**Old:** eExam.AssessmentEye

**New:** eExam.EyeGroup

## **eHistory**

### **Simple Type “EnvironmentalFoodAllergies” Removed**

#### **eHistory.06 - Medication Allergies**

Attribute “CodeType” Usage Change

**Old:** Required

**New:** Optional

#### **eHistory.07 – Environmental/Food Allergies**

Data Type Change

**Old:** EnvironmentalFoodAllergies

**New:** snomed

New Comment

Code list is represented in SNOMEDCT. Reference the NEMESIS Suggested Lists at:

<http://nemesis.org/v3/resources.html>

SNOMEDCT

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

Product: Product - UMLS Metathesaurus

#### **eHistory.10 – The Patient’s Type of Immunization.**

Name Change

**Old:** The Patient's Type of Immunization

**New:** The Patient's Type of Immunization.

#### Definition Change

**Old:**

**New:** The immunization type of the patient.

#### eHistory.18 –Pregnancy

##### Choice Added To Enumerated List

3118011 – Yes, Weeks Unknown

## eInjury

### eInjury.22 - ACN Incident Delta Velocity

#### Attribute Added

**Name:** DeltaVelocityOrdinal

**Type:** DeltaVelocityOrdinalRanking

**Use:** optional

#### Simple Type Added

**Name:** DeltaVelocityOrdinalRanking

**Documentation:** The Automated Collision Notification Delta Velocity (Delta V) force ordinal value. 1 equals first impact, 2 equals second, etc.

**Restriction:**

**base:** xs:integer

**minInclusive:** 1

## eLabs

### eLabs.02 – Study/Result Prior to this Units EMS Care

#### Name Change

**Old:** Study/Result Prior to this Units EMS Care

**New:** Study/Result Prior to this Unit's EMS Care

### eLabs.LabResultGroup

#### ID Change

**Old:** eLabs.LabValue

**New:** eLabs.LabResultGroup

### eLabs.07 – Imaging Study File or Waveform Graphic Type

#### Definition Change

**Old:** The type of file or waveform the imaging file is stored in.

**New:** The description of the image study file or waveform graphic stored in Imaging Study File or Waveform Graphic (eLabs.08).

#### Comment Change

**Old:** Added to better document patient care. Added to allow the type of imaging file uploaded to be identified.

**New:** The description is defined as the extension of the file type.

Examples of file name extensions include “doc”, “jpeg”, “tiff”, etc. For a list of additional extensions reference the following website(s):

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## eMedDevice

### Remove reference to eCustom\_v3.xsd

#### eMedDevice.26 – (eVitals.09) Mean Arterial Pressure

Moved from Group “eMedDevice.HeartRateGroup” to “eMedDevice.BloodPressureGroup”

Removed “eMedDevice.CustomGroup” from “eMedDevice” section.

Added “eCustomConfiguration” before “eMedDevice” section

Added “eCustomResults” after “eMedDevice” section

## Group Recurrence Change

"maxOccurs" Constraint Change

**Old:** 1

**New:** M

**Affected Elements:** eMedDevice.LabResultGroup, eMedDevice.LabImageGroup, eMedDevice.WaveFormGraphicGroup

## eMedDevice.WaveFormGraphicGroup

Moved from "eMedDevice.LabsGroup" to "eMedDevice.LabImageGroup"

## eMedDevice.DeviceGroup

Moved from "eMedDevice.LabsGroup" to "eMedDevice" Section

## eMedDevice.18 – (ePatient.17) Date of Birth

Moved from "eMedDevice.PatientAgeGroup" to "eMedDevice" Section

## eMedications

### eMedications.02 – Medication Administered Prior to this Units EMS Care

Name Change

**Old:** Medication Administered Prior to this Units EMS Care

**New:** Medication Administered Prior to this Unit's EMS Care

Removed the NOT Value "NV.NotReporting"

## EMSDataset

### Attribute "RecordStatus" Removed

## eOther

### eOther.10 - File Attachment Type

Definition Change

**Old:** The type of file (pdf, jpeg, etc.) that is attached electronically to the patient care report.

**New:** The description of the file attachment stored in File Attachment Image (eOther.11).

Comment Change

**Old:** Provides a mechanism for external records to be associated with the PCR.

**New:** The description is defined as the extension of the file type.

Examples of file name extensions include "doc", "jpeg", "tiff", etc. For a list of additional extensions reference the following website(s):

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### eOther.17 - Signature File Type

#### Definition Change

**Old:** The type of graphic file for the signature.

**New:** The description of the file attachment stored in Signature Graphic (eOther.18).

“PerformanceMeasure” Removed

#### Comment Added

**Old:**

**New:** The description is defined as the extension of the file type.

Examples of file name extensions include “doc”, “jpeg”, “tiff”, etc. For a list of additional extensions reference the following website(s):

[http://www.fileinfo.com/filetypes/3d\\_image](#)

[http://www.fileinfo.com/filetypes/raster\\_image](#)

[http://www.fileinfo.com/filetypes/vector\\_image](#)

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```

## ePatient

[censustracts.xsd Reference Removed](#)

## ePayment

[ePayment.31 - Closest Relative/ Guardian Phone Number](#)

Attribute "CorrelationID" use changed to "optional"

[ePayment.50 - CMS Service Level](#)

NOT Value "NV.NotReporting" removed

[SimpleType "ConditionCodeNumber" Removed](#)

## eProcedures

[eProcedure.02 – Procedure Performed Prior to this Units EMS Care](#)

Name Change

**Old:** Procedure Performed Prior to this Units EMS Care

**New:** Procedure Performed Prior to this Unit's EMS Care

## eScene

## [censustracts.xsd Reference Removed](#)

### [eScene.15 - Incident Street Address](#)

Comment Removed

## [eSituation](#)

### [eSituation.05 - Duration of Complaint](#)

Definition Change:

**Old:** The duration of the chief complaint

**New:** The duration of the complaint

Comment Change

**Old:** Associated with Time Unit of Duration

**New:** Associated with eSituation.06 (Time Units of Duration of the Complaint).

### [eSituation.06 - Time Units of Duration of Complaint](#)

Definition Change:

**Old:** The time units of the duration of the patient's chief complaint

**New:** The time units of the duration of the patient's complaint

Comment Change

**Old:** Associated with Duration of the Complaint

**New:** Associated with eSituation.05 (Duration of the Complaint).

### [eSituation.WorkRelatedGroup](#)

ID Change

**Old:** eSituation.GroupWorkRelatedInjury

**New:** eSituation.WorkRelatedGroup

### [eSituation.17 - Patient Activity](#)

Moved out of "eSituation.WorkRelatedGroup" group

### [SimpleType "Complaint"](#)

"MinLength" Restriction Change

**Old:** 2

**New:** 1

"MaxLength" Restriction Change

**Old:** 50

**New:** 255

### [Simple Type "AssociatedSymptoms"](#)

Pattern Fix

**Old:** R[0-6][0-9](\[0-9]{0,4})?|R73.9|R99

**New:** R[0-6][0-9](\[0-9]{1,4})?(R73\.9)|(R99)

