

NHTSA Dataset and XSD Change Log

Version 2.2.1

3/31/2006

Purpose of Release

Over the past 6 months, many software developers, state data managers, and data users have pointed out typographical errors, code inconsistencies between the data dictionary and XSDs, and made suggestions for additional documentation and codes. Based on this feedback, the NEMSIS Technical Assistance Center has updated the data dictionary and XSDs to correct these inconsistencies and make the data dictionary and XSDs more useful to the EMS community.

It is important to understand that the change from Version 2.2 to 2.2.1 did NOT alter the structure of the XSD. If you have software or are developing software using the NHTSA Version 2.2 standard, the following changes are all that is required:

- Data Elements in the Header of the EMS XSD are now required and must contain an appropriate value. Each XML (based on the EMS XSD) file may contain records from multiple EMS agencies. Each EMS agency included in an XML file must have a header included in the file. Please see the FAQ's associated with the NHTSA Version 2.2.X XSDs for more information.
- Data Element D01_19 is now considered a National Element. This change is required since all date/times are to be transmitted using Greenwich Meantime. The Time Zone of the EMS Agency must be known to use these times appropriately.
- The Data Elements noted in the Element Changes section of this document now have additional variables and codes must be incorporated into the EMS software.

Element Changes

NHTSA V2.2.1 Data Element	Name	Version 2.1	Version 2.2.1	Description
All State data elements	State	Not clear if FIPS is numeric	Place statement in Data Dictionary that FIPS numeric code is required (not state abbreviation)	Data Dictionary Correction
D01_19	EMS Agency Time Zone	Not a National Element and Not Required in XSD	A National Data Element and Require in the XSD	Data Dictionary and XSD Correction. This is required since all times are to be in Greenwich Meantime. This requires a timezone for each EMS Agency.
D04_02	EMS Unit Call Sign	National Element	Not a National Element in the Demographic XSD. Data Dictionary changes as well.	This should not be required as a National Data Element in the Demographic XSD. Demographic XSD Correction
D04_04	Procedures	Need some additional variables and Codes	Added several variables and codes to XSD and Data Dictionary.	Additions to Data Dictionary and XSD.
D04_08	Protocol	Several missing protocols	Add additional protocols and comment in data dictionary regarding pediatric and adult	Changes to XSD and Data Dictionary.
E03_01	Complaint Reported by Dispatch	Code 505, the ending parenthesis is left off	Added parenthesis	Typo correction in Data Dictionary
E04_03, D04_01, and D07_05	Crew Member Level, State Certification Licensure Levels, and	Codes for these 3 data elements are different for E04_03	Correct XSD so that codes for D04_03 match D04_01 and D07_05	Codes should be the same for all three of these data elements in

	Personnel's Level of Certification/Licensure for Agency	than for D04_01 and D07_05		the XSD. This is correct in the Data Dictionary
E06_06 and E06_09	Patient's Home County and Patient's Home Country	Data Dictionary lists E06_06 and E06_09 as being part of the E06_04_0 Patient Address Structure	E06_06 and E06_09 are not part of the structure so Data Dictionary corrected	Data Dictionary Correction
E07_05, E07_06, E07_07, and E07_08	Insurance Company and Address	Under Additional Information, D07_07 and D07_08	Data Dictionary should read E07_07 and E07_08	Typo correction in Data Dictionary
E07_11, E07_12, and E07_13	Name of Insured	Under Additional Information, D07_13	Data Dictionary should read E07_13	Typo correction in Data Dictionary
E07_34	CMS Service Level	Code 1025, the word "Wing" is misspelled	Correct 1025 to "Wing"	Typo correction in Data Dictionary
E08_01, D01_11	Other EMS Agencies At Scene, Other Agencies in Area	Not clear if this should be the Agency Number or Name	Added comment to Data Dictionary that it is Agency Name	Data Dictionary Correction
E09_12	Chief Complaint Organ System	Code 1355, the wording "CNS/Nero"	Correct 1355 to "CNS/Neuro" in Data Dictionary	Typo correction in Data Dictionary
E09_14	Other Associated Symptoms	XSD has values from 1510 to 1610 but the Data Dictionary values are 1405 to 1505	The Data Dictionary is corrected to match the XSD	Typo correction in Data Dictionary
E12_13	Immunization Date	XSD defined as xs:gyear and xs:date in Data Dictionary	Correct Data Dictionary to xs:gyear	Data Dictionary Correction
E14_15, E14_16, and E14_17	GCS Eye, Verbal, and Motor	XSD has union with Null Values	XSD should be Nillable with no Union	XSD Correction

E14_26	APGAR	XSD has union with Null Values	XSD should be Nillable with no Union	XSD Correction
E14_28	Pediatric Trauma Score	XSD has union with Null Values	XSD should be Nillable with no Union	XSD Correction
E15 (all)	NHTSA Injury Matrix	Code 3370, the wording "Soft Tissue Swelling/Brushing	Correct 3370 to "Soft Tissue Swelling/Bruising	Typo correction in Data Dictionary
E16_24	Neurological Assessment	Code 4170, the wording "Weakness=Right Sided"	Correct 4170 to "Weakness-Right Sided"	Typo correction in Data Dictionary
Header D01_01, D01_03, D01_04, D01_07, D01_08, D01_09, D02_07	EMS Agency Number, EMS Agency State	Header allows null values	Correct XSD so that null values are not permitted in any of these header data elements. I believe the simple type is what needs to be corrected: D01_03-Simple Type should be AgencyState, not State; D01_04-Simple Type should be AgencyCounty, not County; D01_07-Simple Type should be DemographicStateCertificationLicensureLevels, not StateCertificationLicensureLevels; D02_07-Simple Type should be DemographicZip, not Zip	All of the data elements within the header must be completed with a non-null value except for D01_21, National Provider Identifier, which can use a null value.