

NEMSIS Version 3 Compliance Policy

Date

September 18, 2015
September 29, 2017 (Updated)
December 3, 2019 (process changes and v3.5.0 testing)
September 10, 2020 (added “defined lists” requirement)

Resources

Compliance Process: <https://nemsis.org/technical-resources/version-3/v3-compliance/>

Purpose

The purpose of this document is to define “Compliance” with respect to the NHTSA Version 3 Dataset. The term compliance (or “compliant”) may only be used by an EMS data system or EMS software vendor if the terms of this policy are met in full. No marketing of any EMS data product as being compliant with the NHTSA version 3 dataset may be done, except as defined in this policy.

Policy

Any EMS data system can be labeled as “Compliant” at the “Collect Data” or “Receive and Process” level with the NHTSA Version 3 Dataset when the following conditions have been confirmed by the National EMS Information System (NEMSIS) Technical Assistance Center:

- (v3.5.0) The NEMSIS Version 3 State Dataset is used within the EMS data system as defined.
- The NEMSIS Version 3 Demographic Dataset is used within the EMS data system as defined.
- The NEMSIS Version 3 EMS Dataset is used within the EMS data system as defined.
- The NHTSA/NEMSIS Version 3 XML standard is used to export data from the EMS data system as defined.
- A structure within the EMS data system is in place to monitor and control changes within the EMS data system which would lead to inconsistency with the NHTSA Version 3 Dataset.

Procedure

An EMS data system can be labeled as “Compliant” at the “Collect Data” or “Receive and Process” level with the NHTSA Version 3 EMS Dataset by meeting the following conditions:

Collect Data

- (v3.5.0) The software is able to use information from a NEMSIS v3 State dataset for configuration.
- The full NEMSIS v3 Demographic standard is implemented in the user interface.
- The full NEMSIS v3 EMS standard is implemented in the user interface.
- The software has implemented the NEMSIS TAC defined lists for all elements where they are applicable.
- The software is capable of implementing custom elements as provided in the test cases.
- XML Schema (XSD) validation is used when a Demographic record is finalized.
- XML Schema (XSD) validation is used when an EMS record is finalized.
- Schematron validation is used for business rules when a Demographic record is finalized.
- Schematron validation is used for business rules when an EMS record is finalized.
- The software is able to validate data using multiple Schematron files (national, state, etc.).
- Natural language expressions of validation warnings and errors are presented to the user.
- The software is able to properly submit data using the NEMSIS v3 Web Service standard.

Receive and Process

- The software is able to properly interoperate using the NEMSIS v3 Web Service standard.
- (v3.5.0) The full NEMSIS v3 State dataset standard is implemented in the user interface.
- (v3.5.0) XML Schema (XSD) validation is used when a StateDataSet record is finalized.
- (v3.5.0) Schematron validation is used for business rules when a StateDataSet record is finalized.
- (v3.5.0) Natural language expressions of StateDataSet validation warnings and errors are presented to the user.
- (v3.5.0) The software is able to send State data, including change log notes.
- The software is able to receive Demographic and EMS data.
- The software is able to send Demographic and EMS data—full dataset and national elements only.
- XML Schema (XSD) validation is used when Demographic and EMS data are received.
- Schematron validation is used for business rules when Demographic and EMS data are received.
- The software is able to validate received data using multiple Schematron files (national, state, etc.).

Maintaining Compliance

Once initial NEMSIS compliance is obtained, maintenance of NEMSIS compliance status will require retesting within two years of the last successful compliance test. In addition, a key component of NEMSIS compliance includes participation in bimonthly NEMSIS V3 Implementation webinars and representation at the annual NEMSIS V3 Implementation meeting.

Disclaimer

The NEMSIS TAC can only verify the user interface, files, and documentation as provided by the EMS software developers. The NEMSIS TAC reserves the right to remove any EMS software which has

obtained NEMSIS v3 Compliance through this policy from the list of Compliant EMS Software, maintained on the official NEMSIS website, if it is determined that the EMS software developer provided false information or subsequently makes changes to the software version after compliance status was granted that results in the software falling out of compliance with the NEMSIS standards.

All appropriate requirements contained in this document must be completed for a product to be considered NEMSIS compliant. In rare circumstances, a product may be considered NEMSIS compliant (with qualification) if a levied legal injunction or restriction prohibits the inclusion of a software feature associated with the NEMSIS compliance requirements.

Any EMS system, state, or territory using this compliance validation as a part of a contract pricing or request for proposal should either request additional documentation from the EMS software developer (specifically of test cases which have been used in the validation of the software) or test the software using a series of test cases reflective of the EMS data elements which will be implemented by the EMS system.