



## NEMESIS Compliance Process Overview

This document provides a brief overview of how the NEMESIS Technical Assistance Center will implement the NEMESIS Compliance Policy. Any EMS Software can apply and be tested for NEMESIS Compliance based on the NHTSA Version 2.2.1 Dataset and XSD.

- Step 1.** Download, complete, and return the NEMESIS Compliance Registration Form.
- Step 2.** If you are seeking Compliance at the Silver level, complete the NEMESIS Silver Compliance Spreadsheet indicating the data elements in which you would like to be tested for NEMESIS Compliance. If you are seeking Gold Compliance, you do not need to complete this form since all data elements will be tested.
- Step 3.** The NEMIS Technical Assistance Center will contact you based on the information provided in the registration form to establish an ID and Password for connecting to a secure FTP server.
- Step 4.** Once access to the secure FTP server has been accomplished a test XML file from each software version and platform must be sent to the NEMESIS TAC for initial validation against the NHTSA Version 2.2.1 XSD. These files must each contain a minimum of 100 records and each data element must be populated with a non-null value in at least one of the records.
- Step 5.** The NEMESIS TAC will contact the software developer after the test file has been validated. If there are errors in this validation, the NEMESIS TAC will work with the software developer to correct any errors and resubmit another test file. Once all errors have been corrected, the Compliance testing may begin.
- Step 6.** The NEMESIS TAC will upload an Excel spreadsheet with 15 to 20 test cases on it (based on the level of Compliance you are seeking). This spreadsheet will provide the information required for the software developer to enter each test case into their software. Once the test cases have been entered, the XML file generated by the software must be submitted back to the NEMESIS TAC through the secure FTP server.
- Step 7.** The NEMESIS TAC will validate the XML file/files from the software specifically to the test cases provided. If the XML validates without error, the software will be granted a status of Compliance at the

level requested. If the XML does not validate properly, the NEMSIS TAC will provide feedback on the identified errors and Compliance will not be granted.

- Step 8.** The EMS Software developer must submit XML file/files with all of the errors corrected. Once all errors have been corrected and the XML validates correctly based on the test cases provided in Step 6, the EMS software developer may return to step 4 but with the following additional requirements.

The number of records required to be submitted with each sample XML file/files are as follows:

- \* To qualify to receive the first set of test cases a sample XML file/files must be submitted containing a minimum of 100 records and each data element must be populated with a non-null value in at least one of the records.
- \* If the first set of test cases is not successfully passed, a sample file must be submitted containing a minimum of 500 records and each data element must be populated with a non-null value in at least 50 of the records.

- Step 9.** If the software developer has not successfully passed either the first or second set of test cases, the software developer is not eligible to test for Compliance again for a 3 month period of time (beginning the date the NEMSIS TAC notifies the software developer or their failure to pass the second set of test cases. After the 3 month waiting period, the software developer can begin the Compliance Testing again (Step 4) by submitting a sample XML file/files as follows:

- \* A sample file must be submitted containing a minimum of 1000 records and each data element must be populated with a non-null value in at least 100 of the records.

- Step 10.** Each software product tested may repeat this process until Compliance status has been granted.

- Step 11.** Once Compliance has been granted, the software company, software version, and software platform will be listed on the [www.nemsis.org](http://www.nemsis.org) website. If the Compliance has been granted at the Silver level, a list of the data elements tested for compliance will also be posted. Please read for formal Compliance Policy for additional information.