

NEMESIS V3 – Version 3 On-Boarding Process for States and Territories

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December 05, 2016 ([updated test URLs and explanation](#))

December 13, 2017 ([updated with NEMESIS TAC production environment web service urls](#))

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Overview & Purpose

To facilitate the submission of Version 3 data to the NEMESIS Technical Assistance Center (TAC) an official on-boarding process for State and Territories was developed.

The purpose of the Version 3 On-Boarding Process is to provide a description for State and Territory EMS Data Managers of the necessary steps for successful web service submission of the Version 3 national subset of data to the NEMESIS TAC.

High Level Summary of the Version 3 On-Boarding Process

Summary steps:

1. When the State or Territory is ready to submit data, the EMS Data Manager should notify NEMESIS TAC staff.
2. NEMESIS TAC staff creates an active directory v3 web service account for the state.
3. NEMESIS TAC staff associate the v3 web service account with a State EMS Data Manager's or other identified email address.
 1. The EMS Data Manager will provide account credentials for the Version 3 Receive and Process State System to appropriate IT staff or to the state system (vendor) representative.
4. If the State and/or their vendor wish to submit "test" submissions before "live" data will be submitted, request needs to be communicated to NEMESIS TAC staff. The NEMESIS TAC has developed a test web service folder for each State and Territory to accommodate this option. See below, in section "For Testing Purposes - Prior to Submission to NEMESIS Version 3 Production Environment" for additional details.

5. For submission to the NEMSIS Version 3 production environment, web service must be set up to the appropriate NEMSIS TAC version URL (e.g., v3.3.4, v3.4.0, etc.).

State or Territory EMS Data Manager Responsibilities

The State EMS Data Manager should be in active conversation with NEMSIS TAC personnel regarding their Version 3 transition plans. When the EMS Data Manager has received v3 compliant data in their system and they are ready to submit to the NEMSIS system they can do so.

The State EMS Data Manager will receive a web service account from the NEMSIS TAC. They may provide the details to the Receive and Process procedure to the vendor if they have a hosted solution.

To begin, Demographic (EMS Agency) DEM DataSet files must be submitted for each EMS Agency followed by the EMS (Event/PCR) DataSet files with the EMS activations.

NEMSIS TAC Staff Responsibilities

The NEMSIS TAC uses two internal tools to track the process for State and Territory Version 3 submissions. This includes a process to create and associate accounts allowing for Version 3 web services submission, creating each unique State and Territory group which allows the data to move to the appropriate State or Territory folder and allows accounts the rights to view their data within the NEMSIS TAC Reports Tools.

Additional Information:

- 1) The NEMSIS TAC will create a NEMSIS Web Service State account for STATE NAME.
- 2) The account will allow v3 data to be submitted to the State v3 folder:
 - a. Accounts may be associated with [Test Environment as well as the Production Environment folder at NEMSIS for the State](#).
 - b. For each active version of the NEMSIS standard (e.g., v3.3.4, v3.4.0, etc.).
- 3) The password will not expire.
- 4) The state email associated with the account will have the ability to reset the password as needed.

Submission of the DEM DataSet XML File(s) to NEMSIS Production Environment

All Version 3 XML files are submitted to populate the NHTSA NEMSIS Version 3 database via web services.

The NEMSIS TAC requires the Demographic (EMS Agency) DEM DataSet files be submitted 72-84 hours (3-4 days) in advance of the EMS DataSet files. It is not necessary for the State to immediately submit a DEM DataSet file for every EMS Agency licensed in the state. However, if EMS DataSet files are submitted in advance of the DEM DataSet files for an EMS agency, the EMS DataSet files will be rejected.

Submission of the EMS DataSet XML File(s) to NEMSIS Production Environment

EMS DataSet files will be scheduled for automated submission via web services as determined by the State and their vendor. EMS DataSet files are processed by the NEMSIS TAC and moved into the production database multiple times each day.

Version 3 XML File Processing

Both DEM and EMS DataSet XML files are run against 1) NHTSA NEMSIS v3 XSD; 2) NHTSA NEMSIS National schematron rule files; and 3) NEMSIS TAC Extract, Transform, and Load (ETL) files.

Only the national subset of elements is allowed. The Correlation ID attribute is not to be included in the national subset and will fail against the NHTSA NEMSIS v3 XSD.

Notifications of failed XML files are sent via web service to the State Receive and Process system. Please reference the “NEMSIS v3 WSDL Error Code Supplement” White Paper for details.

https://www.nemsis.org/media/nemsis_v3/master/WSDL/NEMSIS_V3_WSDL_Error_Code_Supplement.pdf

The State EMS Data Manager will have access to a report regarding failed XML files through the NEMSIS TAC State Version 3 Data Submission Dashboard.

Violations of the Schematron Rules are available in the web service message and in a report available through the NEMSIS TAC State Version 3 Data Submission Dashboard.

For Testing Purposes - Prior to Submission to NEMSIS Version 3 Production Environment

For States and Territories that would like to test submission of DEM DataSet and EMS DataSet XML files, the NEMSIS TAC has developed a testing environment to receive files via web services. This option allows the State to test its ability to send the expected XML files and receive NEMSIS v3 WSDL status code messages and NEMSIS to receive the files, process them when valid, and return messages as appropriate.

Please note, the following Version 3 test resources are not guaranteed to be available 24/7.

Test Environment for v3.3.4 URL: https://nemtest.nemsis.org/V3WS_1/NemsisWsService?wsdl

Test Environment for v3.4.0 URL: https://nemtest.nemsis.org/V3WS_2/NemsisWsService?wsdl

(Note: Test Environment URLs updated 12-05-2016.)

NEMSIS Version 3 Production Environment

When States and Territories are ready to send the v3 DEM DataSet and EMS DataSet XML files, the NEMSIS TAC has a production environment to populate the national NEMSIS v3 database. The NEMSIS TAC web services allows the State or Territory “Receive and Process” v3 system to send the XML files and receive NEMSIS v3 WSDL status code messages. The NEMSIS system will process the files and return messages as appropriate.

Please note, the Version 3 production web service resources may not be available during scheduled maintenance.

Production Environment for v3.3.4 URL: https://sub.nemsis.org/V3WS_1/NemsisWsService

Production Environment for v3.4.0 URL: https://sub.nemsis.org/V3WS_2/NemsisWsService

(Note: NEMESIS TAC Web Service Production Environment URLs updated 12-13-2017.)

State Version 3 Data Submission Dashboard

NEMESIS TAC staff will provide education to the State and Territory Data Managers on the use of the data submission visualization reports available in the dashboard. A State Version 3 Data Submission User Manual is available. The manual describes the criteria used to create each visualization and how to use the dashboard.

The User Manual will be sent to each State Data Manager and will be available on the NEMESIS TAC website on the State Reports page.

<http://nemsis.org/reportingTools/reports/stateReporting.html>

State or Territory user accounts are created and access granted to NEMESIS Version 3 reporting tools after personnel are verified by NEMESIS TAC staff.