

NEMESIS V3 EMSDataSet Header Usage

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Abstract

This document describes the use of the NEMESIS V3 EMSDataSet.xsd header section. The document will provide an overview of how the header data are submitted, its purpose, and other ancillary information pertinent to its use.

The header element is comprised of the following groups:

1. DemographicGroup

- Elements within this group are related to the EMS agency ID numbers and which state assigned the ID number.

2. PatientCareReport

- The Patient Care Report group contains sections and elements pertaining to the EMS response and patient care assessment and treatment as appropriate.
- This group is not covered as it is outside the scope of this document.

Header Overview and Purpose

The EMSDataset header information is submitted in every XML file. Multiple records may be contained within the XML file depending on how the data are being submitted to a state or the national database. The elements contained in the header are limited to three demographic (agency) elements. If a state EMS system identifies that additional elements are required that are not contained in the NEMESIS Version 3 dataset they can be captured and submitted via the eCustomConfigurationGroup.

The purpose of the EMSDataset header information is to identify the EMS agency and the state for which the information is being submitted.

DemographicGroup

Group tag used to hold demographic information related to the EMS agency.

Group Usage Summary

V3 Element Number	V3 Element Title	National Element	Usage	Submit element with every XML file submission
dAgency.01	EMS Agency Unique State ID	Yes	Mandatory	Yes
dAgency.02	EMS Agency Number	Yes	Mandatory	Yes
dAgency.04	EMS Agency State	Yes	Mandatory	Yes

Element Definitions

- **dAgency.01** - The unique ID assigned to the EMS agency which is associated with all state licensure numbers and information.
- **dAgency.02** - The state-assigned provider number of the responding agency.
- **dAgency.04** - The state/territory which assigned the EMS agency number.

Notes

dAgency.01, dAgency.02, and dAgency.04 – mandatory single select elements that must have a value entered for the record to meet XML export criteria.

Example

```
<DemographicGroup>
  <dAgency.01>NEMSIS1</dAgency.01>
  <dAgency.02>NEMSIS1</dAgency.02>
  <dAgency.04>49</dAgency.04> [UT]
</DemographicGroup>
```

eCustomConfiguration.CustomGroup

Group Tag used to hold custom element information. Refer to “[How to Utilize NEMSIS V3 Custom Elements](#)” for more information. This document can be found at: <http://nemsis.org/v3/resources.html>

Group Usage Summary

eCustomConfiguration Group	Generic NEMSIS Custom Element Name	State Required Element	If a custom element is required by the State the information must be contained in the header regarding the element.
eCustomConfiguration.01	Custom Data Element Title	state determined	software export configuration
eCustomConfiguration.02	Custom Definition	state determined	software export configuration
eCustomConfiguration.03	Custom Data Type	state	software export

		determined	configuration
eCustomConfiguration.04	Custom Data Element Recurrence	state determined	software export configuration
eCustomConfiguration.05	Custom Data Element Usage	state determined	software export configuration
eCustomConfiguration.06	Custom Data Element Potential Values	state determined	software export configuration

Element Definitions

- **eCustomConfiguration.01** - This is the title of the custom data element created to collect information that is not defined formally in NEMESIS Version 3.
 - **Attributes**
 - **nemesisElement** - The NEMESIS element for which the custom element is associated.
- **eCustomConfiguration.02** - The definition of the custom element and how it should be used.
- **eCustomConfiguration.03** - The data type of the custom element.
- **eCustomConfiguration.04** - Indication if the data element will accept multiple values.
- **eCustomConfiguration.05** - The Usage (Mandatory, Required, Recommended, or Optional) for the Custom Data Element. Usage is defined as:
 - Mandatory = must be completed and will not accept NOT values.
 - Required = must be completed but will accept NOT values.
 - Recommended = Does not need to be completed and allows NOT values.
 - Optional = not required but if collected, it cannot be a NOT value.
- **eCustomConfiguration.06** - The values which are associated with the custom data element. Values would be the choices provided to the user when they document the custom data element.
 - **Attributes**
 - **nemesisCode** - The NEMESIS code which is associated for the value
 - **customValueDescription** - The description for the custom value

The customValueDescription will not only contain a description of the custom value but should also list code(s) associated with the value. All custom elements and codes will be approved through the NEMESIS TAC and maintained in the custom element library. The NEMESIS TAC recommends:

- 1) An extension of the existing NEMESIS Code being expanded
For example, for eVitals.26 AVPU, there are four values: 3326001 = Alert and 3326007 = Unresponsive are NEMESIS codes being expanded to include the values “Low Alertness”, “High Alertness”, and “Not Alert” to describe the level of alertness the patient exhibits. Low Alertness will have the assigned code “3326001.1”, High Alertness the code “3326001.2”, and Not Alert the code “3326007.1”. The values will map back to 3326001 = Alert

and 3326007 = Unresponsive respectively when submitted to the national database (or state system).

- 2) An expansion of the 7-digit codes being used in the element
For example, for eVital.26 AVPU, to add “Low Alertness”, “High Alertness”, and “Not Alert” the user should note that there are only four NEMESIS codes utilized. Additional codes following the NEMESIS 7-digit numbering system can be utilized. In this case the codes end with 3326007. The new codes should be added using even numbers beginning with 500: 3326500. Low Alertness will have the assigned code “3326500”, High Alertness “3326502”, and Not Alert “3326504.
- 3) The use of a new coding system with an 8-digit number.

Notes

Grouping of the eCustomConfiguration elements in the header is important as it provides a simple paraphrasing of the custom element and references to it. It is the responsibility of the software developer to ensure this information appears in the header on export. There is nothing in the XSD that requires the use of custom elements. Custom elements cannot be validated using the XSD; therefore, a tool such as Schematron will be necessary for validation.

Example (the blue text will not appear in the XML file)

```
<eCustomConfiguration>
  <eCustomConfiguration.CustomGroup>
    <eCustomConfiguration.01 nemsisElement="eVitals.26">Level of Responsiveness-Custom</eCustomConfiguration.01>
    <eCustomConfiguration.02>associated with eVitals.26</eCustomConfiguration.02>
    <eCustomConfiguration.03>9902009</eCustomConfiguration.03> [Text/String] [String: enumerated list]
    <eCustomConfiguration.04>9923003</eCustomConfiguration.04> [Yes]
    <eCustomConfiguration.05>9903003</eCustomConfiguration.05> [Required]
    <eCustomConfiguration.06 nemsisCode="3326001" customValueDescription="High Alertness">3326001.2</eCustomConfiguration.06>
    <eCustomConfiguration.06 nemsisCode="3326001" customValueDescription="Low Alertness">3326001.1</eCustomConfiguration.06>
    <eCustomConfiguration.06 nemsisCode="3326007" customValueDescription="Not Alert">3326007.1</eCustomConfiguration.06>
  </eCustomConfiguration.CustomGroup>
</eCustomConfiguration >
```

PatientCareReport

This group is not covered as it is outside the scope of this document.