

# NEMESIS v3 EMSDataSet Header Guide

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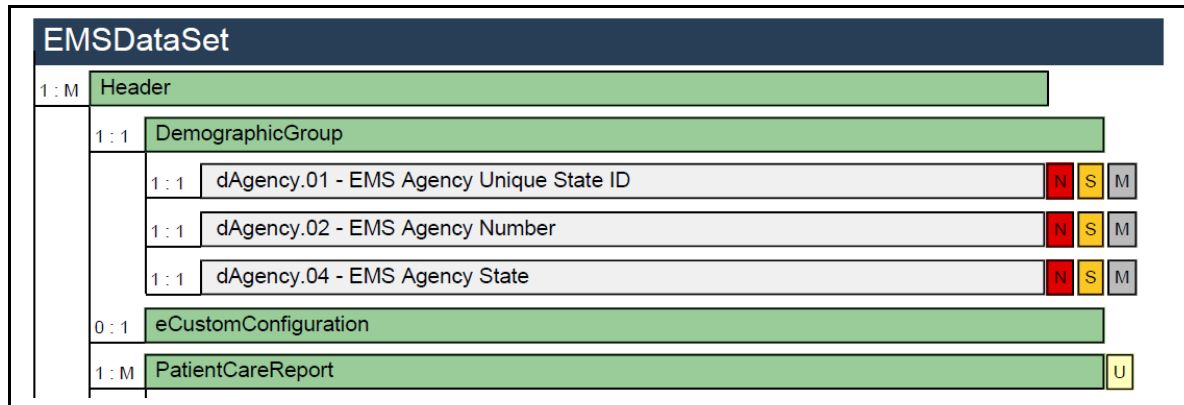
## **Overview and Purpose**

This document describes the use of the NEMESIS v3 EMSDataSet 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 comprises the following groups:

1. Demographic Group
2. Custom Configurations

## **EMSDataSet Header**

The purpose of the EMSDataSet header information is to identify the EMS agency and the state for which the patient care reports within the header are being submitted. The EMSDataSet header information is submitted in every XML file. The XML file may contain multiple headers, and each header may contain multiple patient care reports. The DemographicGroup in the header contains three elements that identify an EMS agency. The eCustomConfiguration section contains configuration information about custom data elements that may be present in the patient care reports.



The EMSDataSet header has a 1:M occurrence. This indicates there MUST be at least one header within an EMSDataSet XML file, but there MAY be many. Within each EMSDataSet header, there MUST be a DemographicGroup and there MAY be an eCustomConfiguration section. Another important aspect of the EMSDataSet is that the PatientCareReport has a 1:M occurrence. This indicates within each header there MUST be at least one Patient Care Report, but there MAY be multiple Patient Care Reports.

The best practice for an agency reporting to a state or a state reporting to the national data repository is one patient care report per XML file. However, there may be a need for multiple records to be reported within a single XML file to outside registries or billing companies.

An example of the EMSDataSet Header within an XML file:

```
<!--The EMSDataSet header MUST be present for each agency contained within the XML file.-->
<Header>
<!--Demographic Group MUST be present.-->
  <DemographicGroup>
    <dAgency.01>11261</dAgency.01>
    <dAgency.02>350-11261</dAgency.02>
    <dAgency.04>10</dAgency.04>
  </DemographicGroup>
<!--eCustomConfiguration MAY contain custom data elements.-->
  <eCustomConfiguration>
    <eCustomConfiguration.CustomGroup CustomElementID="eHistory.904">
      <eCustomConfiguration.01 nemsisElement="eHistory">Recent International
Travel</eCustomConfiguration.01>
      ...
    </eCustomConfiguration.CustomGroup>
  </eCustomConfiguration>
  <eCustomConfiguration>
    <eCustomConfiguration.CustomGroup CustomElementID="eDisposition.21">
      <eCustomConfiguration.01 nemsisElement="eDisposition.21">Type of
Destination</eCustomConfiguration.01>
      ...
    <eCustomConfiguration.06 nemsisCode="4221013" customValueDescription="Alternate
Care Site">4221043</eCustomConfiguration.06>
    </eCustomConfiguration.CustomGroup>
  <eCustomConfiguration.CustomGroup CustomElementID="eMedications.903">
    <eCustomConfiguration.01
nemsisElement="eMedications.MedicationGroup">Medication Lot
Number</eCustomConfiguration.01>
    ...
  </eCustomConfiguration.CustomGroup>
</eCustomConfiguration>
<!-- PatientCareReport/UUID MUST be present for each Patient Care Report contained
within the XML file.-->
  <PatientCareReport UUID="9c27ac41-89fe-4059-9e25-ff97b3f22a97">
```

## DemographicGroup

<DemographicGroup> is the group tag used to hold demographic information related to the EMS agency. For more information regarding the DEMDataSet, please refer to the DataSet Guides section of the [Guides & Usage](#) page from the Technical Resources menu on the NEMSIS website.

```
<DemographicGroup>
  <dAgency.01>11261</dAgency.01>
  <dAgency.02>350-11261</dAgency.02>
  <dAgency.04>10</dAgency.04>
</DemographicGroup>
```

Each of the elements within this group should match the demographic XML file submitted for the agency. The group usage summary and definitions are:

V3 Element Number	V3 Element Title	National Element	Usage
dAgency.01	EMS Agency Unique State ID	Yes	Mandatory
dAgency.02	EMS Agency Number	Yes	Mandatory
dAgency.04	EMS Agency State	Yes	Mandatory

**dAgency.01** The unique ID assigned to the EMS Agency which is associated with all state licensure numbers and information. This may be the EMS Agency Name or a unique number assigned by the state EMS office. This is required to document multiple license types and numbers associated with the same EMS Agency.

**dAgency.02** The state-assigned provider number of the responding agency. This is the primary identifier for the entire Demographic Section. Each of the Demographic Sections must be associated with an EMS Agency Number. An EMS Agency can have more than one Agency Number within a state. This reflects the ability for an EMS Agency to have a different number for each service type or location (based on state implementation). The EMS Agency Number in dAgency.02 can be used to auto-populate eResponse.01 EMS Agency Number in the EMS Event Section.

**dAgency.04** The state/territory which assigned the EMS Agency Number. This has been clarified to reflect that it is the state in which the EMS Agency resides and the state associated with the EMS Agency Number.

## eCustomConfiguration

<eCustomConfiguration> is the group tag used to hold the custom element configurations for any custom elements that may be present in the patient care reports within the header. The custom element configuration information only applies to the patient care reports that are within the same header. Each custom element configuration is contained within an <eCustomConfiguration.CustomGroup> tag. Custom elements can be designed by a local or state EMS agency. For more information on the development, design, and implementation of custom elements, please refer to the Custom Elements section of the [Guides & Usage](#) page from the Technical Resources menu on the NEMESIS website.

Grouping of the eCustomConfiguration elements in the header is important as it provides information about how to interpret custom element data that is included in the patient care reports. It is the responsibility of the software developer to ensure this information appears in the header on export. The XSD does not require the use of custom elements. The XSD only defines basic structural requirements for custom elements; therefore, a Schematron schema is usually necessary to define more specific validation requirements for custom elements.

```
<eCustomConfiguration>
  <eCustomConfiguration.CustomGroup CustomElementID="eHistory.904">
    <eCustomConfiguration.01 nemsisElement="eHistory">Recent International
Travel</eCustomConfiguration.01>
  ...
  </eCustomConfiguration.CustomGroup>
</eCustomConfiguration>
<eCustomConfiguration>
  <eCustomConfiguration.CustomGroup CustomElementID="eDisposition.21">
    <eCustomConfiguration.01 nemsisElement="eDisposition.21">Type of
Destination</eCustomConfiguration.01>
  ...
  <eCustomConfiguration.06 nemsisCode="4221013" customValueDescription="Alternate
Care Site">4221043</eCustomConfiguration.06>
  </eCustomConfiguration.CustomGroup>
<eCustomConfiguration.CustomGroup CustomElementID="eMedications.903">
  <eCustomConfiguration.01
nemsisElement="eMedications.MedicationGroup">Medication Lot
Number</eCustomConfiguration.01>
  ...
  </eCustomConfiguration.CustomGroup>
</eCustomConfiguration>
```

The eCustomConfiguration elements are not national elements and have a usage of optional. While it is a best practice to include the information within the EMSDataSet header, it is not required like the demographic information.

### **PatientCareReport**

Each header contains one or more <PatientCareReport> tags, each representing a patient care report. All of the patient care reports within a header represent EMS activations of the agency identified in the DemographicGroup within the same header, and any custom element data in the patient care reports should be interpreted according to the custom element configurations included in the eCustomConfiguration within the same header.