NEMSIS V3 EMSDataSet Header Usage

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Abstract

This document describes the use of the NEMSIS 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 general EMS agency information.
2. ConfigurationGroup
   - Elements within this group provide specific information regarding the EMS agency capabilities.
3. 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.

DemographicGroup

Group tag used to hold demographic information related to the agency that submitted the file.

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
dAgency.06	EMS Agency Service Area County(s)	Yes	Mandatory	Yes
dAgency.09	Primary Type of Service	Yes	Mandatory	Yes
dAgency.11	Level of Service	Yes	Mandatory	Yes
dAgency.12	Organization Status	Yes	Mandatory	Yes
dAgency.13	Organizational Type	Yes	Mandatory	Yes
dAgency.25	National Provider Identifier	Yes	Required	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.
- **dAgency.06** - The county(s) within each state for which the agency formally provides service.
- **dAgency.09** - The primary service type provided by the agency.
- **dAgency.11** - The level of service which the agency provides EMS care for every request for service (the minimum certification level). This may be the license level granted by the state EMS office.
- **dAgency.12** - The primary organizational status of the agency. The definition of Volunteer or Non-Volunteer is based on state or local definitions.
- **dAgency.13** - The organizational structure from which EMS services are delivered (fire, hospital, county, etc.).
- **dAgency.25** - The National Provider Identifier associated with National Provider System (NPS) and used in all standard HIPPA transactions such as electronic claim filing.

Notes

dAgency.01, .02, .04, .09, .11, .12, .13 – mandatory single select elements that must have a value entered for the record to meet XML export criteria.

dAgency.25 - required element but NOT values accepted.

Example

```
<DemographicGroup>
        <dAgency.01>NEMSIS1</dAgency.01>
        <dAgency.02>NEMSIS1</dAgency.02>
        <dAgency.04>49</dAgency.04><!-- UT -->
        <dAgency.ServiceAreaGroup CurrentStatusDate="2004-09-01T00:00:00.0+07:00"
CurrentStatus="A">
                <dAgency.06>49035</dAgency.06><!-- UT - Salt Lake -->
                <dAgency.06>49043</dAgency.06><!-- UT - Summit -->
                <dAgency.06>49029</dAgency.06><!-- UT - Morgan -->
                <dAgency.06>49051</dAgency.06><!-- UT - Wasatch -->
                <dAgency.06>56041</dAgency.06><!-- WY - Uinta -->
        </dAgency.ServiceAreaGroup>
        <dAgency.ServiceAreaGroup CurrentStatusDate="2011-12-31T23:59:59.0+07:00"
CurrentStatus="I">
                <dAgency.06>56041</dAgency.06><!-- WY - Uinta -->
        </dAgency.ServiceAreaGroup>
        <dAgency.09>9920001</dAgency.09><!-- 911 Response (Scene) with Transport Capability -->
        <dAgency.11>9917005</dAgency.11><!-- 2009 Emergency Medical Technician -->
        <dAgency.12>0112002</dAgency.12><!-- Non-Volunteer -->
        <dAgency.13>9912003</dAgency.13><!-- Governmental, Non-Fire -->
        <dAgency.25 NV="7701005"></dAgency.25>
</DemographicGroup>
```

dAgency.AgencyServiceGroup

Group tag to hold info about the agency's service information.

Group Usage Summary

V3 Element Number	V3 Element Title	National Element	Usage	Submit element with every XML file submission
dAgency.06	EMS Agency Service Area County(s)	Yes	Mandatory	Yes

Element Definitions

V3 Element Number	Definition
dAgency.06	The county(s) within each state for which the agency formally provides service.

Notes

This is a grouping of the counties an EMS agency provides service to. They must have a 5-digit number (GNIS code) submitted.

Example

```
<dAgency.ServiceAreaGroup CurrentStatusDate="2004-09-01T00:00:00.0+07:00" CurrentStatus="A">
        <dAgency.06>49035</dAgency.06><!-- UT - Salt Lake -->
        <dAgency.06>49043</dAgency.06><!-- UT - Summit -->
        <dAgency.06>49029</dAgency.06><!-- UT - Morgan -->
        <dAgency.06>49051</dAgency.06><!-- UT - Wasatch -->
        <dAgency.06>56041</dAgency.06><!-- WY - Uinta -->
</dAgency.ServiceAreaGroup>
```

ConfigurationGroup

Group Tag used to hold information about procedures, medications, and protocols available for use by an agency.

dConfiguration.ProcedureGroup

Group Tag used to hold information about agency procedure information.

Group Usage Summary

V3 Element Number	V3 Element Title	National Element	Usage	Submit element with every XML file submission
dConfiguration.06	EMS Certification Levels Permitted to Perform Each Procedure	Yes	Mandatory	Yes
dConfiguration.07	EMS Agency Procedures	Yes	Mandatory	Yes

Element Definitions

- **dConfiguration.06** - EMS certification levels which are permitted to perform the procedure listed in dConfiguration.07.
- **dConfiguration.07** - A list of all procedures that the agency has implemented and available for use by any/all EMS certification levels.

Notes

Data must be in the header to:

1. Verify the procedure performed by the crew member in the PCR was allowed.
2. Assist with performance measures.
3. Data quality control at the time the record is completed

Example

```
<dConfiguration.ProcedureGroup>
    <dConfiguration.06>9917009</dConfiguration.06><!-- First Responder -->
    <dConfiguration.07>2W32X1Z</dConfiguration.07><!-- Immobilization of Neck using Splint -->
    <dConfiguration.07>2W35X1Z</dConfiguration.07><!-- Immobilization of Back using Splint -->
    <dConfiguration.07>5A12012</dConfiguration.07><!-- Performance of Cardiac Output, Single, Manual -->
    </dConfiguration.ProcedureGroup>
<dConfiguration.ProcedureGroup>
    <dConfiguration.06>9917007</dConfiguration.06><!-- 2009 Paramedic -->
    <dConfiguration.07>2W32X1Z</dConfiguration.07><!-- Immobilization of Neck using Splint -->
    <dConfiguration.07>2W35X1Z</dConfiguration.07><!-- Immobilization of Back using Splint -->
    <dConfiguration.07>5A02215</dConfiguration.07><!-- Assistance with Cardiac Output using Pulsatile
        Compression, Continuous -->
    <dConfiguration.07>5A12012</dConfiguration.07><!-- Performance of Cardiac Output, Single, Manual -->
    <dConfiguration.07>4A04XR1</dConfiguration.07><!-- Measurement of Venous Saturation, Peripheral,
        External Approach -->
    <dConfiguration.07>10E</dConfiguration.07><!-- Obstetrics @ Pregnancy @ Delivery -->
</dConfiguration.ProcedureGroup>
```

dConfiguration.MedicationGroup

Group Tag used to hold information about agency medication information.

Group Usage Summary

V3 Element Number	V3 Element Title	National Element	Usage	Submit element with every XML file submission
dConfiguration.08	EMS Certification Level Permitted to Administer Each Medication	Yes	Mandatory	Yes
dConfiguration.09	EMS Agency Medications	Yes	Mandatory	Yes

Element Definitions

- **dConfiguration.08** - All EMS certification levels which are permitted to administer the medications listed in dConfiguration.09 (EMS Agency Medications).
- **dConfiguration.09** - A list of all medications the agency has implemented and have available for use.

Notes

Data must be in the header to:
1. Verify the medication administered by the crew member in the PCR was allowed.
2. Assist with performance measures.
3. Data quality control at the time the record is completed.

Example

```xml
<configuration.MedicationGroup>
    <dConfiguration.08>9917007</dConfiguration.08><!-- 2009 Paramedic -->
    <dConfiguration.09>7806</dConfiguration.09><!-- Oxygen -->
    <dConfiguration.09>318272</dConfiguration.09><!-- Aspirin 81 MG Chewable Tablet -->
    <dConfiguration.09>239166</dConfiguration.09><!-- Glucose Oral Solution -->
    <dConfiguration.09>373106</dConfiguration.09><!-- Nitroglycerin Sublingual Tablet -->
    <dConfiguration.09>4832</dConfiguration.09><!-- Glucagon -->
    <dConfiguration.09>727347</dConfiguration.09><!-- Epipen 0.3 MG per 0.3 ML Auto-Injector -->
    <dConfiguration.09>727386</dConfiguration.09><!-- Epipen Jr 0.15 MG per 0.3 ML Auto-Injector -->
</configuration.MedicationGroup>
<configuration.MedicationGroup>
    <dConfiguration.08>9917009</dConfiguration.08><!-- First Responder -->
    <dConfiguration.09>7806</dConfiguration.09><!-- Oxygen -->
    <dConfiguration.09>318272</dConfiguration.09><!-- Aspirin 81 MG Chewable Tablet -->
    <dConfiguration.09>239166</dConfiguration.09><!-- Glucose Oral Solution -->
</configuration.MedicationGroup>
```

dConfiguration.ProtocolGroup

Group Tag used to hold information about agency procedure information.

Group Usage Summary

V3 Element Number	V3 Element Title	National Element	Usage	Submit element with every XML file submission
dConfiguration.10	EMS Agency Protocols	**Yes**	**Mandatory**	**Yes**

Element Definitions

- **dConfiguration.10** - A list of all of the EMS field protocols that the agency has in place and available for use.

Notes

A multi-select element, but must have at least one protocol listed.

Example

```
<dConfiguration.10>9914001</dConfiguration.10> <!-- Airway -->
<dConfiguration.10>9914051</dConfiguration.10> <!-- Exposure-Radiologic Agent -->
```

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 determined**	software export 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 NEMSIS Version 3..

- o **Attributes**
  - **nemsisElement -** The NEMSIS element for which the custom element is associated.
- **customValueDescription -** The description for the value
- **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, or Optional) for the Custom Data Element. Usage is defined as:
  - o Mandatory = must be completed and will not accept NOT values.
  - o Required = must be completed but will accept NOT values.
  - o Recommended = Does not need to be completed and allows NOT values.
  - o Optional = not required but if collected, it cannot be a NOT value.
- **eCustomConfiguration.06** - The values which are associated with the custom data element. The values would be the choices provided to the user when they document the custom data element.
  - o **Attributes**
    - **nemsiCode -** The NEMSIS code which is associated for the value
    - **customValueDescription -** The description for the custom value

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

```
<eCustomConfiguration>
 <eCustomConfiguration.CustomGroup>
  <eCustomConfiguration.01 nemsisElement="eVitals.26">Level of Responsiveness</eCustomConfiguration.01>
  <eCustomConfiguration.02>associated with eVitals.26</eCustomConfiguration.02>
  <eCustomConfiguration.03>String – enumerated list</eCustomConfiguration.03>
  <eCustomConfiguration.04>Yes</eCustomConfiguration.04>
  <eCustomConfiguration.05>Required</eCustomConfiguration.05>
  <eCustomConfiguration.06 nemsisCode="3326001" customValueDescription=" High Alert">3326001.1</eCustomConfiguration.06>
  <eCustomConfiguration.06 nemsisCode="3326001" customValueDescription=" Low Alert">3326001.2</eCustomConfiguration.06>
  <eCustomConfiguration.06 nemsisCode="3326007" customValueDescription=" No Alert">3326007.1</eCustomConfiguration.06>
 </eCustomConfiguration.CustomGroup>
</eCustomConfiguration >
```

PatientCareReport

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