

<!--The HazCollect Non-weather Emergency Message is a specialization of CAP 1.1.

1. There are some tags that are required for CAP, but not used in the downstream NOAA message product. NWEM builders should use these fields appropriately as NWEM Messages may also travel on CAP networks.
2. There are some tags that are normally optional in CAP but are required for NWEM. Some of these have data that are needed in order to support NOAA's downstream systems.
3. Some cardinalities are more restrictive in NWEM than they are in CAP. These cardinality restrictions are also required to adequately support downstream system requirements.
4. Finally, there are some tags that are optional in CAP and not used by HazCollect.

As in 1 above, the OPEN interface will take these fields but will not process them through NWEM. Since an NWEM message may also be posted though the general CAP network, these tags should be used where needed, so they can be processed appropriately in the CAP network.

The Comments in the following CAP message further define the specific requirements for processing as an NWEM message.

-->

<!-- note that HazCollect messages validate to Cap 1.1 and the draft CAP

## 1.2 Standards

```
<alert xsi:schemaLocation="urn:oasis:names:tc:emergency:cap:1.2
Cap1_2.xsd"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="urn:oasis:names:tc:emergency:cap:1.2">
```

But DM-OPEN 1.0 needs it this way:

-->

```
<alert xmlns="urn:oasis:names:tc:emergency:cap:1.1">
```

<!-- Identifier must be a unique identifier across the system. Suggest using a system identifier in from of an actual identifier string. The DMIS Toolset affixes a DM in form of a randomly generated long integer turned to a string. You may use any solution you wish (but do not use colons due to the fact that DM-OPEN uses colons as a separator for retrieval). -->

<identifier>orgdmhazCollect\_15-gh5 </identifier>

<!-- The sender field is required in CAP but not actually be part of the downstream NOAA product. It is used, however, to appropriately identify the original CAP message and as part of the references tag when referring to previous messages. It is also of value for messages that will travel on CAP networks as well as to HazCollect. A common practice is to use an email identification type format (e.g., senderPerson@domainName.net). It as also acceptable to use the formal COG Name as the sender with underlines in place of spaces as shown below.-->

<sender>DMI-Services\_Project\_Team</sender>

<!-- time at which the message is released. Exactly as defined in the CAP1.1 spec -->

<sent>2008-03-24T08:00:45-04:00</sent>

<!-- Enumerated Value Actual, Exercise, System, or Test. "Draft" from CAP1.1 should not be used in a message intended for NWEM processing. The tag itself in not used in the actual downstream message, but its value is used in pre-processing. For any message other than Actual the following text must be added to the description value in the info block:

" ...THIS IS A <status> MESSAGE. DO NOT TAKE ACTION BASED ON THIS <status> MESSAGE..."

-->

```
<status>Test</status>
```

<!-- msgType is not used directly in the downstream NOAA product but is for preprocessing and is relevant for NWEM messages passed in parallel through CAP channels.

Initial messages will be of msgType "Alert."

The server will use an "Error", "Update" or "Cancel" message to do exactly that if the message references a previously sent NWEM Alert that has not yet expired in its references tag -->

```
<msgType>Alert</msgType>
```

<!-- Source is used in last line of WMO to indicate the source of the message.

Most WMO's use the form: Name/Initial

A valid email string could also be acceptable.

The key is that this will be the string that forms the bottom tag line on the actual WMO message as the source of the message-->

```
<source>Ham G</source>
```

<!-- All NWEM Messages should have a Public scope -->

```
<scope>Public</scope>
```

<!-- references - The server will use an Error, Update or Cancel messageType message to do exactly that if the message references a previously sent NWEM Alert that has not yet expired in its references tag -->

```
<!-- <references></references> -->
```

<!-- An NWEM instance can have only one info block vice the many allowed in regular CAP.

Special Temporary Note:

DM-OPEN 2.0 will make it possible to have more than one info block in the message but only the first Info block received will be processed as an NWEM. -->

<info>

<!-- Language is required. Only two values allowed en-US or sp-US -->

<language>en-US</language>

<!-- category is not used in the downstream NOAA product but it is a required field in CAP and is used through CAP channels. -->

<category>Other</category>

<!-- event is a required field for HazCollect. It is still a String but the specific String but is specialized from CAP. It must be one of an enumerated set of NWEM names and must relate to the EventCode tag below.

Allowed values are provided by separate document.

Special Note: This restriction may be lifted for DM-OPEN 2.0. We are testing to determine if this field actually needs to be used for WMOs since the code itself identifies the event name for HazCollect. Currently, however, it is used and will create the wrong word in the WMO if this restriction is not respected.

-->

<event>Administrative Message/Follow up Statement</event>

<!-- <event>Local Area Emergency</event> -->

<!--urgency is a required CAP field. It is not used in the Downstream NOAA product, but is important for parallel processing of the message in CAP channels -->

<urgency>Future</urgency>

<!-- severity is a required CAP field. It is not used in the Downstream NOAA product, but is important for parallel processing of the message in CAP channels -->

```
<severity>Moderate</severity>
```

<!-- certainty is a required CAP field. It is not used in the Downstream NOAA product, but is important for parallel processing of the message in CAP channels -->

```
<certainty>Unlikely</certainty>
```

<!-- eventCode is an optional 1 to many structure in CAP1.1. For HazCollect exactly one instance of the tag is required. Special Note: Current restriction is one event code per NWEM. DM-OPEN 2.0 will allow multiple event codes with types other than SAME but one and only one SAME code for a message usable by HazCollect. -->

```
<eventCode>
```

```
<!-- The only eventCode name recognized by HazCollect is "SAME" or "same"-->
```

```
<valueName>SAME</valueName>
```

```
<!-- Must be one of the list of SAME codes recognized by by HazCollect. Allowed values will be provided by separate document -->
```

```
<value>ADR</value>
```

```
</eventCode>
```

<!-- <effective> is set to the same time as <sent> for HazCollect in an initial message. For update messages <effective> is the time that a new message replaces the previous referenced previous message. It can be no later than 6 hours after the referenced message or it will not be regarded as an update -->

<effective>2008-03-24T08:00:45-04:00</effective>

<!-- <onset> is not used in the downstream NOAA product. -->

<!-- <expires> is optional in CAP1.1 but required for HazCollect. Known in HazCollect as "product PurgeTime", it also has special requirements in terms of value as follows:

1. It must not exceed <sent> by more than 360 minutes.
2. It must differ from <sent> in exactly 15 minute intervals up to 120 minutes.
3. It must differ from <sent> in exactly 30 minute intervals between 120 and 360.

For update messages the comparison is to <effective> instead of <sent>

-->

<expires>2008-03-24T20:00:45-04:00</expires>

<!-- sender name is a required and specifically formatted field for HazCollect. Format is <CogName>,<City>,<State> .

Most systems will want to generate this field for the user (and yes it is ugly, but if there are not three strings separated by commas, you will get back an error.) -->

<senderName>DMI Services Project Team,Stafford,VA</senderName>

<!-- Headline is a String <= 160 characters including spaces -->

<headline>THIS MESSAGE IS FOR TEST PURPOSES ONLY. THIS IS TEST MESSAGE NUMBER 1.</headline>

<!-- The NWEM message concatenates the CAP description and the CAP instruction and is limited to a concatenated total <= 1500 characters. The text field for NOAA's downstream product includes the combination of what should semantically be

description + instruction in a CAP1.1 message.

The interface concatenates for posting to NWEM but will use the original structure for posting the alert message to other CAP users and networks when directed by your application.

The following additional caveat applies to Content intended for NOAA: Text fields (headline, description, instruction) can be upper and lower case characters, numbers, single periods, and ellipses (three periods in a row). Other punctuation and symbols are not allowed. No Commas, no double periods, no series of periods totaling more than three. -->

```
<description> ...THIS IS A TEST MESSAGE. DO NOT TAKE
ACTION      BASED ON THIS TEST MESSAGE...  THIS
IS A TEST OF THE CAPABILITY TO RELAY EMERGENCY
MESSAGES FROM NON-NATIONAL WEATHER SERVICE SOURCES
USING DEPARTMENT OF HOMELAND SECURITY AND NWS SYSTEMS.
THIS TEST MESSAGE IS NOT INTENDED TO ACTIVATE
THE EMERGENCY ALERT SYSTEM. </description>
```

```
<instruction>THIS IS A PLACE HOLDER FOR EVAC INSTRUCTIONS ETC
</instruction>
```

```
<!-- One or more area blocks may be used in a Hazcollect message -->
<!-- The current implementation of HazCollect does not use <polygon>
or <circle> within <area> but they can be used in the message for other
users. Messages should use polygon and circle where applicable for use
on general CAP networks. There is no need to write a separate message
for HazCollect consumption so long that the info below is also
included. -->
```

```
<area>
```

```
<!-- Area Description is a required CAP Field and should be
appropriately defined for use on CAP networks -->
```

```
<areaDesc>Stafford and Accokeek Virginia</areaDesc>
```

```
<!-- Geocodes is required for processing through NOAA.
Allowed values will be specified separately for each COG by NOAA.
```

They will be dynamically retrievable as a web service interface.  
The downloadable structure will include administrative names associated with the codes so that systems can build dynamic pick lists for alert creators that includes all "zone", "fips" codes allowed to the alert issuing COG -->

```
<geocode>
  <valueName>fips</valueName>
  <value>51183</value>
</geocode>
<geocode>
  <valueName>zone</valueName>
  <value>ANZ632</value>
</geocode>
</area>
</info>
</alert>
```