```xml
<?xml version="1.0" encoding="UTF-8" ?>
<!-- Copyright OASIS Open 2010 All Rights Reserved  -->
- <schema xmlns="http://www.w3.org/2001/XMLSchema"
    targetNamespace="urn:oasis:names:tc:emergency:cap:1.2"
    xmlns:cap="urn:oasis:names:tc:emergency:cap:1.2"
    xmlns:xs="http://www.w3.org/2001/XMLSchema" elementFormDefault="qualified"
    attributeFormDefault="unqualified" version="1.2">
  - <element name="alert">
    - <annotation>
        <documentation>CAP Alert Message (version 1.2)</documentation>
      </annotation>
    - <complexType>
      - <sequence>
          <element name="identifier" type="xs:string" />
          <element name="sender" type="xs:string" />
        - <element name="sent">
          - <simpleType>
            - <restriction base="xs:dateTime">
                <pattern value="\d\d\d\d-\d\d-\d\dT\d\d:\d\d:\d\d[-
                  ,+]\d\d:\d\d" />
              </restriction>
            </simpleType>
          </element>
        - <element name="status">
          - <simpleType>
            - <restriction base="xs:string">
                <enumeration value="Actual" />
                <enumeration value="Exercise" />
                <enumeration value="System" />
                <enumeration value="Test" />
                <enumeration value="Draft" />
              </restriction>
            </simpleType>
          </element>
        - <element name="msgType">
          - <simpleType>
            - <restriction base="xs:string">
                <enumeration value="Alert" />
                <enumeration value="Update" />
                <enumeration value="Cancel" />
                <enumeration value="Ack" />
                <enumeration value="Error" />
              </restriction>
            </simpleType>
          </element>
          <element name="source" type="xs:string" minOccurs="0" />
        - <element name="scope">
          - <simpleType>
            - <restriction base="xs:string">
                <enumeration value="Public" />
                <enumeration value="Restricted" />
                <enumeration value="Private" />
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          </restriction>
        </simpleType>
      </element>
      <element name="restriction" type="xs:string" minOccurs="0" />
      <element name="addresses" type="xs:string" minOccurs="0" />
      <element name="code" type="xs:string" minOccurs="0"
        maxOccurs="unbounded" />
      <element name="note" type="xs:string" minOccurs="0" />
      <element name="references" type="xs:string" minOccurs="0" />
      <element name="incidents" type="xs:string" minOccurs="0" />
    - <element name="info" minOccurs="0" maxOccurs="unbounded">
      - <complexType>
        - <sequence>
            <element name="language" type="xs:language"
              default="en-US" minOccurs="0" />
          - <element name="category" maxOccurs="unbounded">
            - <simpleType>
              - <restriction base="xs:string">
                  <enumeration value="Geo" />
                  <enumeration value="Met" />
                  <enumeration value="Safety" />
                  <enumeration value="Security" />
                  <enumeration value="Rescue" />
                  <enumeration value="Fire" />
                  <enumeration value="Health" />
                  <enumeration value="Env" />
                  <enumeration value="Transport" />
                  <enumeration value="Infra" />
                  <enumeration value="CBRNE" />
                  <enumeration value="Other" />
                </restriction>
              </simpleType>
            </element>
            <element name="event" type="xs:string" />
          - <element name="responseType" minOccurs="0"
              maxOccurs="unbounded">
            - <simpleType>
              - <restriction base="xs:string">
                  <enumeration value="Shelter" />
                  <enumeration value="Evacuate" />
                  <enumeration value="Prepare" />
                  <enumeration value="Execute" />
                  <enumeration value="Avoid" />
                  <enumeration value="Monitor" />
                  <enumeration value="Assess" />
                  <enumeration value="AllClear" />
                  <enumeration value="None" />
                </restriction>
              </simpleType>
            </element>
          - <element name="urgency">
            - <simpleType>
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- <restriction base="xs:string">
    <enumeration value="Immediate" />
    <enumeration value="Expected" />
    <enumeration value="Future" />
    <enumeration value="Past" />
    <enumeration value="Unknown" />
  </restriction>
  </simpleType>
</element>
- <element name="severity">
  - <simpleType>
    - <restriction base="xs:string">
      <enumeration value="Extreme" />
      <enumeration value="Severe" />
      <enumeration value="Moderate" />
      <enumeration value="Minor" />
      <enumeration value="Unknown" />
    </restriction>
    </simpleType>
</element>
- <element name="certainty">
  - <simpleType>
    - <restriction base="xs:string">
      <enumeration value="Observed" />
      <enumeration value="Likely" />
      <enumeration value="Possible" />
      <enumeration value="Unlikely" />
      <enumeration value="Unknown" />
    </restriction>
    </simpleType>
</element>
  <element name="audience" type="xs:string"
    minOccurs="0" />
- <element name="eventCode" minOccurs="0"
    maxOccurs="unbounded">
  - <complexType>
    - <sequence>
      <element ref="cap:valueName" />
      <element ref="cap:value" />
    </sequence>
    </complexType>
</element>
- <element name="effective" minOccurs="0">
  - <simpleType>
    - <restriction base="xs:dateTime">
      <pattern value="\d\d\d\d-\d\d-
        \d\dT\d\d:\d\d:\d\d[-,+]\d\d:\d\d" />
    </restriction>
    </simpleType>
</element>
- <element name="onset" minOccurs="0">
  - <simpleType>
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       - <restriction base="xs:dateTime">
           <pattern value="\d\d\d\d-\d\d-
             \d\dT\d\d:\d\d:\d\d[-,+]\d\d:\d\d" />
         </restriction>
       </simpleType>
     </element>
   - <element name="expires" minOccurs="0">
     - <simpleType>
       - <restriction base="xs:dateTime">
           <pattern value="\d\d\d\d-\d\d-
             \d\dT\d\d:\d\d:\d\d[-,+]\d\d:\d\d" />
         </restriction>
       </simpleType>
     </element>
     <element name="senderName" type="xs:string"
       minOccurs="0" />
     <element name="headline" type="xs:string"
       minOccurs="0" />
     <element name="description" type="xs:string"
       minOccurs="0" />
     <element name="instruction" type="xs:string"
       minOccurs="0" />
     <element name="web" type="xs:anyURI" minOccurs="0" />
     <element name="contact" type="xs:string" minOccurs="0" />
   - <element name="parameter" minOccurs="0"
       maxOccurs="unbounded">
     - <complexType>
       - <sequence>
           <element ref="cap:valueName" />
           <element ref="cap:value" />
         </sequence>
       </complexType>
     </element>
   - <element name="resource" minOccurs="0"
       maxOccurs="unbounded">
     - <complexType>
       - <sequence>
           <element name="resourceDesc"
             type="xs:string" />
           <element name="mimeType" type="xs:string" />
           <element name="size" type="xs:integer"
             minOccurs="0" />
           <element name="uri" type="xs:anyURI"
             minOccurs="0" />
           <element name="derefUri" type="xs:string"
             minOccurs="0" />
           <element name="digest" type="xs:string"
             minOccurs="0" />
         </sequence>
       </complexType>
     </element>
   - <element name="area" minOccurs="0"
       maxOccurs="unbounded">
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- <complexType>
  - <sequence>
      <element name="areaDesc" type="xs:string" />
      <element name="polygon" type="xs:string"
        minOccurs="0" maxOccurs="unbounded" />
      <element name="circle" type="xs:string"
        minOccurs="0" maxOccurs="unbounded" />
    - <element name="geocode" minOccurs="0"
        maxOccurs="unbounded">
      - <complexType>
        - <sequence>
            <element ref="cap:valueName" />
            <element ref="cap:value" />
          </sequence>
        </complexType>
      </element>
      <element name="altitude" type="xs:decimal"
        minOccurs="0" />
      <element name="ceiling" type="xs:decimal"
        minOccurs="0" />
    </sequence>
  </complexType>
  </element>
  </sequence>
  </complexType>
  </element>
  <element name="valueName" type="xs:string" />
  <element name="value" type="xs:string" />
</schema>
```