FDSN StationXML-SEED Converter - Feature #717

New mapping of sensor descriptions between StationXML and dataless SEED

07/16/2015 04:27 PM - Chad Trabant

<table>
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<td>Priority:</td>
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<tr>
<td>Assignee:</td>
<td>Yazan Suleiman</td>
</tr>
<tr>
<td>Category:</td>
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<td>Target version:</td>
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<td>Resolution:</td>
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<tr>
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<td>Due date:</td>
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Description

Previously the "instrument identifier" information in SEED Blockette 52, field 6 was mapped to the Sensor::Type element in StationXML. The DMCs web service has changed and now maps this information to the Sensor::Description element in StationXML.

The converter should use the following mapping logic:

When converting from dataless SEED to StationXML:
map SEED Blockette 52, field 6 information to StationXML Sensor::Description

When converting from StationXML to dataless SEED:
create the SEED Blockette 52, field 6 information from a comma separated list of: "Sensor::Model, Sensor::Description, Sensor::Type", truncating as needed to fit into the SEED field.

History

#1 - 07/20/2015 05:21 PM - Robert Weekly
- File G_SSB_00_BHZ_nocomm_back2xml.xml added

I think this is still an outstanding bug.

The map from dataless to XML is placing the blockette 52 information into Sensor::Type instead of Sensor::Description.

From the attached.xml:

```
<Channel locationCode="00" code="BHZ" startDate="2004-10-05T00:00:00.000" endDate="2005-05-24T09:29:00.000">
  <Latitude>45.279</Latitude>
  <Longitude>4.542</Longitude>
  <Elevation>700.0</Elevation>
  <Depth>0.0</Depth>
  <Azimuth>0.0</Azimuth>
  <Dip>90.0</Dip>
  <Type>CONTINUOUS</Type>
  <Type>GEOPHYSICAL</Type>
  <SampleRate>20.0</SampleRate>
  <ClockDrift>5.0E-6</ClockDrift>
  <CalibrationUnits>
    <Name>UNKNOWN</Name>
  </CalibrationUnits>
  <Sensor>
    <Type>UNKNOWN</Type>
  </Sensor>
</Channel>
```
Resolution set to Fixed

Status changed from New to Closed

Patch is in - sensor information is now properly mapped to Sensor::Description.

Closing ticket.

Files

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<thead>
<tr>
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<th>Size</th>
<th>Date</th>
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<td>G_SSB_00_BHZ_nocomm_back2xml.xml</td>
<td>103 KB</td>
<td>07/21/2015</td>
<td>Robert Weekly</td>
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