Can converter put in a default "unknown" value for <sensor> if not given one in stationXML

For digital SOH channels, SIS writes no <sensor> for a channel, but provides a <logger>.

The dataless created with the converter downstream is having issues with PDCC.

Can the converter be modified to accommodate if no <sensor> element is given? We believe that this is the proper way to describe such a channel in FDSN StationXML.

If so, what time estimate to you give for making a change?

If not, please suggest what we should put in the FDSN StationXML sensor element. But realize that if we do need to put something there, that might have consequences for going in the opposite direction (dataless to FDSNStationXML)

History

#1 - 07/09/2015 02:34 PM - Chad Trabant
In the general case of no Sensor::Type element in the input, we will change the converter to include a blockette with description of "UNKNOWN".

As with the calibration units and other things that are required in SEED but optional in StationXML will are planning to fill in a blank entry with "UNKNOWN".

#2 - 07/20/2015 05:29 PM - Chad Trabant
As we have moved the sensor description information to Sensor::Description this logic changes to:

If converting from StationXML -> dataless SEED and no Sensor::Description is present the output dataless should put "UNKNOWN" in the blockette 52, field 6 "instrument identifier".

#3 - 07/20/2015 05:42 PM - Chad Trabant
The Sensor::Description value in this XML:
http://service.iris.edu/fdsnws/station/1/query?sta=ANTO&cha=BHZ&loc=--&level=resp

should be retained if the XML is converted to dataless SEED and back to XML again.