

Lineage:

- Initial version prepared by Radim and Rashid, Aug 2016
- Substantial edits and moved to new component CDMS Config – Bruce and Denis, Jan 2017

User Story**CDMS Config – New Sensor****Version: 0.4****==== User Story ====****Related components:** 4.1,4.2, 4.3, 5.1, 5.3, 5.4, 5.5 and others**Related User Stories:**

- CDMS Config – New Data Product Approval
- xxx-cdms-config-new-observed-variable
- xxx-cdms-config-new-station

This user story is constrained by the User Story, CDMS Config – New Data Product Approval.

Upon the acquisition of a new observation instrument, a Climate Data Manager requires functionality to add this instrument to the CDMS configuration for ongoing use.

If this is a new type of instrument and it is intended for use to observe a variable / parameter that is new to the CDMS, use the user story:

- **xxx-cdms-config-new-observed-variable**

An authorised climate data management staff member requires functionality to add the new sensor to the CDMS Configuration :

- The sensor is assigned to be used at a specific station and location to record observations for a specific observed variable;
- Observations Metadata pertinent to and describing the context of the sensor is recorded in the CDMS;
- Define appropriate algorithms that are pertinent to the use of this type of sensor and for the calculation of derived products;
- Ensure that the scheduled tasks for this sensor, including the initial quality control flag assigned, and the creation of derived statistical data are defined.
- Assume that this sensor is to be used in parallel with other sensors to observe the same observed variable:
 - Define the rules governing which is the default sensor;
 - Ensure that the values and associated contextual information pertinent to this sensor can be effectively explored and understood during future climate data management, including activities relating to:
 - 4.3.1 Observations Metadata;

Bruce Bannerman 23/1/2017 10:34

Comment [1]:

If this sensor is to replace another sensor, where do we define:

- The length of time that the sensors are to be used in parallel ;
- The decommission date of the old sensor.

Perhaps this should go into a 5.3.2 Network Management ?

- 4.3.3 Data Provenance;
- 5.3 Observations Quality Control;
- 5.4 Observations Quality Assurance; and
- 6.1.3 Homogenisation.

==== End =====

Reference: WMO 1131