

## Phases of WDQMS Demonstration Project RA I - 2016

WDQMS Demonstration Project RA I	July 2016				August 2016					September 2016				October 2016				November 2016						
	04.07	11.07	18.07	25.07	01.08	08.08	15.08	22.08	29.08	05.09	12.09	19.09	26.09	03.10	10.10	17.10	24.10	31.10	07.11	14.11	21.11	25.11		
Phase 1	Training 29.06.16		Surface land stations: Silent stations																					
Phase 2		Training mid July		Surface land stations: Silent stations and data availability																				
Phase 3										Training mid Sept		Surface land stations: Data availability and accuracy of pressure observatoins												
Phase 4																Training mid Oct		Surface land and radiosonde stations: Data availability and accuracy of observatoins						

The tasks of the daily quality monitoring evaluation and incident management to be undertaken by KMD can be separated into 4 phases during the 5 months period of the Demonstration Project in RA I.

### Phase 1 (first 3 weeks, 04 till 22 July 2016):

To allow KMD getting used to the daily quality monitoring and evaluation task and the incident management procedures it is proposed to start with the raising of IM tickets for surface land stations which haven't been providing any synoptic data for a longer period of time (silent stations) as well as to get acquainted with the available tools, daily reports and the quality evaluation and incident management procedures. A list of current silent stations is given below including their station metadata (station name, latitude, longitude and elevation, which have been extracted from OSCAR/Surface). KMD might take the opportunity to ask national contact points in Kenya and Tanzania to check the metadata information given in OSCAR/Surface and to revise if necessary (see elevations marked red).

### **Phase 2 (25 July till 16 September 2016):**

In the second phase of the Demonstration Project KMD should start looking into the automated daily quality monitoring reports as well as the web-based tools in more detail to identify issues with data availability on the basis of the web tools. The task of quality evaluation and raising IM tickets should be extended to monitor performance of stations which in general had been reporting but stopped reporting recently or which are providing less reports from surface land stations on a daily basis than required according to the daily schedule reported to OSCAR/Surface.

### **Phase 3 (19 September till 28 October 2016):**

In the third phase of the project KMD should start to monitor and evaluate from NWP centres concerning the accuracy of pressure observations from surface land stations in addition to the monitoring of data availability of synoptic reports the results. KMD should start raising IM tickets, based on O-B results from NWP Centres, as soon as a station exceeds the WMO requirement on air pressure at surface of **1.0 hPa** (see *OSCAR Observing Systems Capability Analysis and Review Tool, Rolling Review of Requirements, Observation Requirements for Global NWP*: <http://www.wmo-sat.info/oscar/variables/view/10> ).

### **Phase 4 (31 October till 25 November 2016):**

In the last phase of the Demonstration Project KMD should extend the quality monitoring and evaluation to the entire scope by monitoring and evaluating the data availability and accuracy of surface land stations as well as soundings from radiosonde stations and to trigger IM tickets to participating countries in case of lack of radiosonde data or accuracy issues. Again, the issues identification will be based on the outputs of the monitoring tools that process the NWP files.

Before the beginning of each phase, it is planned that some training will be remotely provided by expert(s), with support from the WMO Secretariat/WIGOS PO.