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| **World Meteorological Organization** |  | **TT-PWPP-2/Doc.4.1(2)** | | |
| **TASK TEAM ON THE PLAN FOR THE WIGOS PRE-OPERATIONAL PHASE (TT-PWPP-2)** |  | Submitted by: | | Secretariat |
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| Agenda Item: | 4.1 | |

# National WIGOS implementation

***Guide for Members***

# (Submitted by L.P. Riishojgaard, PM/WIGOS)

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| **Summary and purpose of document**  This document provides a zero draft Guide for Members. |

**Action proposed**

The session is invited to consider the draft and formulate its guidance for its further development.

**National WIGOS Implementation - Guide for Members**

***1. Introduction***

According to the resolution adopted by the 17th World Meteorological Congress, the WIGOS Pre-Operational Phase will have the following five priorities.

(a) National WIGOS implementation;

(b) WIGOS Regulatory Material complemented with necessary guidance material to assist Members with the implementation of the WIGOS technical regulations;

(c) Further development of the WIGOS Information Resource (WIR), with special emphasis on the operational deployment of the OSCAR databases;

(d) Development and implementation of the WIGOS Data Quality Monitoring System;

(e) Concept development and initial establishment of Regional WIGOS Centres;

It may not be obvious to all Members what is expected from them in terms of actions to address these priorities. Items (a) and (e) mostly have to do with governance and management, and any specific actions to be taken here will depend on the situation within the respective Region or the Member itself. Additional information will be made available once the Task Team on the Plan for the WIGOS Pre-operational Phase completes its task and the initial “Guide to WIGOS” is issued. Item (b) is of a global nature and the primary responsibility lies with ICG-WIGOS and its task teams, supported by the technical commissions and the WIGOS Project Office.

Items (c) and (d) are of a technical nature, and there are certain common activities that all Members are expected to undertake as a matter of priority in their national implementations in support of these priorities. This document is meant to serve as a quick reference for individual WMO Members regarding those activities.

***2.1 Activities in support of the development of the WIGOS Information Resource***

The OSCAR/Surface database is the new repository of metadata station information for all assets under the WIGOS umbrella. OSCAR/Surface will provide the complete description of WIGOS at the station level, and having the database as complete as possible as early as possible will be critical to the success of the WIGOS Pre-operational Phase. In support of this work, the Members are expected to take the following actions:

1. Nominate their national WIGOS focal points.
2. Nominate their OSCAR focal points (or explicitly designate their existing focal point for Vol. A, to take on this new role); the OSCAR focal point will be given write access to the database for assets within the territorial boundaries of the Member and will be given the authority to grant similar access privileges to other individuals as needed. The responsibilities of the OSCAR/Surface focal point are listed in items 3. through 7. below.
3. Familiarize themselves with the new WIGOS station identifier system and the editorial procedures for OSCAR/Surface, e.g. by participating in WMO-organized training events.
4. Review and update as necessary the information about national observing systems imported into OSCAR/Surface from Vol. A.
5. Register any additional stations not included in Vol. A in OSCAR/Surface.
6. Liaise with other organizations (government, academia or commercial) with which collaboration agreement under WIGOS have been conclude, to ensure that observing systems operated by these organizations are assigned WIGOS station identifiers and that they are registered in OSCAR/Surface.
7. Develop the necessary plans and procedures for maintaining the information in OSCAR/Surface up to date for all national stations (NMHS- and partner operated) under WIGOS.

***2.2 Activities in support of the development of the WIGOS Data Quality Monitoring System***

The WIGOS Data Quality Monitoring System (WDQMS) provides the online near-real time monitoring of the performance of the observing systems registered under WIGOS.

1. Ensure that all RBSN and RBCN stations are registered under OSCAR/Surface and that they are identified as such.
2. Once the concept for Regional Basic Observing Networks (RBON) is approved, ensure that all RBON stations are registered in OSCAR/Surface and that they are identified as such.
3. Provide a national WIGOS Data Quality Monitoring System (WDQMS) focal point once requested to do so. The responsibilities of the WDQMS focal point are provided in items 4. and 5. below.
4. Regularly review the information provided for national stations by the WDQMS regarding data availability (acquisition and timeliness).
5. Based upon information received from the WIGOS Project Office or from the appropriate Regional WIGOS Center in case of data quality problems for WIGOS stations under the responsibility of the Member, relay this information to the operator of the affected station and report back to the Project Office/RWC regarding steps taken.

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