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| **World Meteorological Organization** |  | **ICG-WIGOS/WEdB-1/Doc.3** | | |
| **INTER-COMMISSION COORDINATION GROUP ON WIGOS (ICG-WIGOS)**  **WIGOS Editorial Board (WEdB)**  ***FIRST SESSION*** |  | Submitted by: | | Secretariat |
| Date: | | 2.V.2016 |
| GENEVA, SWITZERLAND  13-15 June 2016 | Original Language: | English | |
| Agenda Item: |  | |

# 3. GUIdance from ICG-WIGOS-5

(Submitted by the Secretariat)

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| **Summary and purpose of document**  The document provides Guidance from ICG-WIGOS-5 relevant to the work of WEdB.  It further provides the list of key items with milestones as proposed in the draft Plan for the WIGOS pre-operational phase together with corresponding timeline for a further development of WIGOS regulatory material complemented with necessary guidance material to assist Members with the implementation of the WIGOS technical regulations. |

**Action proposed**

The session will be invited to consider the guidance and information provided by the document for the work and activity of WEdB.

**References:**

1. [Fifth Session of the Inter-Commission Coordination Group on WIGOS (ICG-WIGOS), Geneva, 25-28 January 2016](http://www.wmo.int/pages/prog/www/WIGOS-WIS/reports.html)
2. [EC-68-d05-1(1)-WIGOS-draft1\_en.docx](https://drive.google.com/file/d/0B8DhC1GSWSmxQU9nV05DQkxqTmM/view?usp=drive_web)

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1. **GUIdance from ICG-WIGOS-5**
   1. ICG-WIGOS considered how to establish the process for reviewing a draft text for updating WIGOS regulatory material and new guidance material developed by the Secretariat and/or relevant technical commission’s experts. In this regard, ICG-WIGOS decided to establish a small WIGOS Editorial Board (WEdB); Russell Stringer, chair of the TT-WRM, was suggested as Chair of this Board.
   2. Terms of Reference for the ICG-WIGOS/WIGOS Editorial Board (WEdB) are as follows:

1) Coordinate activities for the updating of the WMO *Technical Regulations* (WMO-No. 49), the Volume I, Part I – WIGOS, and the Manual on WIGOS (WMO-No. 1160), in close collaboration with the WMO Secretariat (WIGOS-PO), namely:

1. Identify areas to be updated, revised or completely rewritten and advise the ICG-WIGOS;
2. Provide draft updates in a form of track changes for consideration by the ICG-WIGOS;
3. Review proposals for new text developed by relevant constituent bodies (ICG-WIGOS task teams, TCs expert teams/groups) and the WMO Secretariat and submit them to ICG-WIGOS for consideration;

2) Review proposals for guidance material for an initial version of the Guide to WIGOS developed by relevant constituent bodies (ICG-WIGOS task teams, TCs expert teams/groups).

3) Coordinate with the ICG-WIGOS as needed and report annually to the ICG-WIGOS on the progress.

* 1. The draft Plan for the WIGOS Pre-operational Phase (PWPP) has been finalized and submitted to EC-68 for approval. Extract from the draft Plan relevant to the WEdB is reproduced in the Annex to this paragraph.
  2. Detailed timeline for further development of the WIGOS Regulatory Material is reproduced in Appendix to the document.

Annex to paragraph 3.3

**3.2 WIGOS Regulatory Material complemented with necessary guidance material to assist Members with the implementation of the WIGOS technical regulations**

An update of the *Manual on WIGOS* (WMO-No. 1160) may be proposed either to EC-69 (2017) or EC-70 (2018). The 2019 edition of the Manual submitted to Cg-18 should include: (i) a full integration of the existing *Manual on the Global Observing System* (WMO-No. 544), the existing version of which will be retired at that point; and (ii) new standards and recommendations on the Regional Basic Observing Networks, remote sensing, and data quality monitoring.

Concerning the necessary guidance material, most urgently needed is in the following areas: (1) OSCAR, Metadata, and Station Identifiers; (2) Data Quality Monitoring, Regional WIGOS Centres, AWS, national partnerships; (3) National observing strategy, RBON, and integration of space-based observations. The guidance material listed under (1) is needed for the initial version of the Guide to WIGOS to be available to Members before 1 July 2016. The material for those listed under (2) and (3) above should be developed in subsequent steps. A more complete Guide to WIGOS should be developed during the remainder of the financial period with a substantial amount of new material that will have to be developed.

The following key items with milestones are proposed:

1. Updates to Manual on WIGOS by EC-69 and/or EC-70; a new edition by Cg-18;
2. Initial version of the Guide to WIGOS, including guidelines on OSCAR/Surface, WIGOS Metadata, and Station Identifiers, by July 2016;
3. Guidance on National WIGOS Development and Partnerships, by end of 2016;
4. Guidance on RWCs, their capabilities and performance evaluation, by end of 2016;
5. WIGOS guidance on Data Partnerships, Lifecycle Data Management and Data Stewardship, including integration of observations from multiple sources, progressively from 2016;
6. Standards and recommendations supported by best practices and procedures for implementation of the RBON by all regional associations; developed by end of 2017;
7. Standards and recommendations supported by best practices and procedures for surface-based remote sensing (mainly weather radars and wind profilers) by end of 2017;
8. Standards and recommendations supported by best practices and procedures for improving observational data and products quality (WIGOS Data Quality Monitoring) by end of 2017;
9. Guidance on the transition of existing observing systems to meet WIGOS requirements and standards, by end of 2017;
10. Guide to WIGOS fully developed by Cg-18.

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Appendix

**Timeline for further development of the WIGOS Regulatory Material**

|  | **Significant events** | **Manual on WIGOS** | **Manual on GOS** | **RBON concept** |
| --- | --- | --- | --- | --- |
| May 2016 | RBON Workshop |  |  | Concept finalized; drafting of text for regulatory material (RM) initiated |
| June 2016 | EC-68 |  |  | Information paper on the Concept presented |
| Late 2016 | CBS-16 |  | Update endorsed by CBS | Draft text for RM endorsed |
| Late 2016 | RA-II-16 |  |  | Information paper on the Concept presented |
| Early 2017 | ICG-WIGOS-6 |  |  | Draft text for RM approved |
| June 2017 | EC-69 |  | Update approved | Draft text for RM translated and submitted to RAs/MGs for review |
| Mid 2017 | RA-IV-17  RA-V-17  RA-VI-17 |  |  | Concept paper presented |
| Early 2017 |  | Drafting of the standards and recommendations for surface-based remote sensing (mainly weather radars and wind profilers) and data quality monitoring |  |  |
| Late 2017 | ICG-WIGOS TT-RM | Text from the Manual on GOS and new standards and recommendations on RBON, remote sensing, and data quality monitoring incorporated in the draft Manual on WIGOS |  |  |
| Early 2018 | ICG-WIGOS-7 | Approved by ICG-WIGOS; submitted to P-TCs for TCs review |  |  |
| Mid-end 2018 | RA-III-17  RA-I-17 |  |  | Concept paper presented |
| Mid 2018 |  | Feedback from TCs integrated;  translated to all official languages; submitted to CBS-Ext.(2018) |  |  |
| Late 2018 | CBS-Ext.(2018) | Update endorsed by CBS-Ext. |  |  |
| Oct 2018 |  | Submitted to Members for comments |  |  |
| Mid 2019 | Cg-18 | New version submitted for approval | Retired (subject to new Manual on WIGOS being approved) |  |

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