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| WEATHER CLIMATE WATER | **World Meteorological Organization**  **COMMISSION FOR OBSERVATION, INFRASTRUCTURE AND INFORMATION SYSTEMS**  **Second Session** 24 to 28 October 2022, Geneva | **INFCOM-2/Doc. 6.1(12)** |
| Submitted by: Chair  27.X.2022  **APPROVED** |

**AGENDA ITEM 6: TECHNICAL REGULATIONS AND OTHER TECHNICAL DECISIONS**

**AGENDA ITEM 6.1: Standing Committee on Earth Observing Systems and Monitoring Networks (SC ON)**

# Initial version of the Guide to the GLOBAL BASIC observing network



# GENERAL CONSIDERATIONS

### Introduction

1. Through [Resolution 2 (Cg-Ext(2021))](https://library.wmo.int/doc_num.php?explnum_id=11113/#page=29) – Amendments to the Technical Regulations related to the establishment of the Global Basic Observing Network, accordingly, Congress decided on Technical Regulations for the Global Basic Observing Network (GBON) to come into force on 1 January 2023, and requested the Infrastructure Commission, inter alia*,* to develop the technical guidelines, processes and procedures needed to ensure the expedient and efficient implementation of GBON, and to prepare for the effective performance and compliance monitoring of GBON. [See further details in [INFCOM-2/Doc. 6.1(3)](https://meetings.wmo.int/INFCOM-2/_layouts/15/WopiFrame.aspx?sourcedoc=/INFCOM-2/English/1.%20DRAFTS%20FOR%20DISCUSSION/INFCOM-2-d06-1(3)-AMENDMENT-WIGOS-MANUAL-1160-draft2_en.docx&action=default), Update of the WIGOS Manual and the new Appendix 3.1 on the process for the designation of GBON stations, [INFCOM-2/Doc. 6.1(4)](https://meetings.wmo.int/INFCOM-2/_layouts/15/WopiFrame.aspx?sourcedoc=/INFCOM-2/English/1.%20DRAFTS%20FOR%20DISCUSSION/INFCOM-2-d06-1(4)-WIGOS-GUIDE-WMO-NO-1165-draft1_en.docx&action=default), Update of the Guide to WIGOS and the updates of chapters 6 and 7 in relation to GBON, and [INFCOM-2/Doc. 6.1(9)](https://meetings.wmo.int/INFCOM-2/English/1.%20DRAFTS%20FOR%20DISCUSSION/INFCOM-2-d06-1(9)-GBON-INITIAL-COMPOSITION-draft1_en.docx?Web=1), General Considerations.]

2. The draft initial version of the Guide to the Global Basic Observing Network is the result of work done by the GBON Implementation Task Team (TT-GBON) in accordance with [Resolution 2 (Cg-Ext(2021)](https://library.wmo.int/doc_num.php?explnum_id=11113#page=29)) – Amendments to the Technical Regulations related to the establishment of the Global Basic Observing Network, accordingly.

3. There is a clear recognition that considerable technical expertise and resources are needed for such development; on the other hand there is the urgent need to provide Members with guidance material on the GBON. Therefore, the Commission is kindly requested to accept the fact the draft initial version of the Guide is submitted only in English. Should INFCOM adopt the draft Recommendations, the final draft will be provided by TT-GBON, and recommended by the president of INFCOM to the seventy-sixth Session of the Executive Council and provided in all WMO languages.

**Expected action**

4. Based on the above, the Commission may wish to adopt a recommendation.

# DRAFT RECOMMENDATION

## Draft Recommendation 6.1(12)/1 (INFCOM-2)

### Initial version of the Guide to the Global Basic Observing Network

THE COMMISSION FOR OBSERVATION, INFRASTRUCTURE AND INFORMATION SYSTEMS,

**Recalling**:

(1) [Resolution 9 (EC-73)](https://library.wmo.int/doc_num.php?explnum_id=11008#page=34) – Plan for the WMO Integrated Global Observing System Initial Operational Phase (2020–2023),

(2) [Resolution 13 (EC-73)](https://library.wmo.int/doc_num.php?explnum_id=11008#page=209) – *Guide to the WMO Integrated Global Observing System* (WMO‑No. 1165),

(3) [Resolution 1 (Cg-Ext(2021))](https://library.wmo.int/doc_num.php?explnum_id=11113#page=9) – WMO Unified Policy for the International Exchange of Earth System Data,

(4) [Resolution 2 (Cg-Ext(2021))](https://library.wmo.int/doc_num.php?explnum_id=11113#page=29) – Amendments to the Technical Regulations related to the establishment of the Global Basic Observing Network,

**Acknowledging** that considerable technical expertise and resources are needed for such development,

**Recognizing** the urgent need to provide Members with guidance material on the GBON to facilitate the implementation of the provisions specified in the *Manual on the WMO Integrated Global Observing System* (WMO-No. 1160), [section 3.2.2](https://library.wmo.int/doc_num.php?explnum_id=11157#page=77) Global Basic Observing Network,

**Noting:**

(1) [Draft Recommendation 6.1(3)/1 (INFCOM-2)](https://meetings.wmo.int/INFCOM-2/English/1.%20DRAFTS%20FOR%20DISCUSSION/INFCOM-2-d06-1(3)-AMENDMENT-WIGOS-MANUAL-1160-draft2_en.docx?Web=1) – Amendments to the [*Manual on the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=19223) (WMO-No. 1160),

(2) [Draft Recommendation 6.1(9)/1 (INFCOM-2)](https://meetings.wmo.int/INFCOM-2/English/1.%20DRAFTS%20FOR%20DISCUSSION/INFCOM-2-d06-1(9)-GBON-INITIAL-COMPOSITION-draft1_en.docx?Web=1) – Initial GBON Composition,

(3) [Draft Recommendation 6.1(4)/1 (INFCOM-2)](https://meetings.wmo.int/INFCOM-2/English/1.%20DRAFTS%20FOR%20DISCUSSION/INFCOM-2-d06-1(4)-WIGOS-GUIDE-WMO-NO-1165-draft1_en.docx?Web=1) – [*Guide to the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=20026#.YEn1n2hKiUk) (WMO-No. 1165),

(4) The World Meteorological Congress requested INFCOM to initiate a process for proposing the specific core data products to support the WMO Unified Policy for the International Exchange of Earth System Data (WMO Unified Data Policy, Resolution 1 (Cg-Ext(2021))) for approval *[USA]*;

**Having examined** the draft initial version of the Guide to the Global Basic Observing Network in the [annex](#Annex_to_draft_Recommendation) to the present Recommendation,

**Requests** the Task Team on GBON Implementation (TT-GBON), in close collaboration with the Infrastructure Department of the WMO Secretariat, to finalize the draft initial version for its submission to EC-76;

**Requests** Members to provide feedback to the Secretariat on any changes they’d like to propose to the Guide, no later than the end of 2022; *[P/INFCOM]*

**Further requests** the INFCOM management group to facilitate the finalisation of the proposed core data products in accordance with Resolution 1 (Cg-Ext(2021)) and its Annexes and submit a draft recommendation to Cg-19; *[USA]*

**Recommends** to the Executive Council the adoption of the updated version of Guide to the Global Basic Observing Networkthroughthe draft resolution provided in the [annex](#Annex_to_draft_Recommendation) to the present Recommendation;

**Authorizes** its president to submit to EC-76, on behalf of the Commission, the draft updated version of the Guide to the Global Basic Observing Network for approval.

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[Annex: 1](#Annex_to_draft_Recommendation)

## Annex to draft Recommendation 6.1(12)/1 (INFCOM-2)

**Draft Resolution ##/1 (EC-76)**

**Guide to the Global Basic Observing Network**

THE EXECUTIVE COUNCIL,

**Recalling:**

(1) [Resolution 9 (EC-73)](https://library.wmo.int/doc_num.php?explnum_id=11008#page=34) – Plan for the WMO Integrated Global Observing System Initial Operational Phase (2020–2023),

(2) [Resolution 13 (EC-73)](https://library.wmo.int/doc_num.php?explnum_id=11008#page=209) – *Guide to the WMO Integrated Global Observing System* (WMO‑No. 1165),

(3) [Resolution 1 (Cg-Ext(2021))](https://library.wmo.int/doc_num.php?explnum_id=11113#page=9) – WMO Unified Policy for the International Exchange of Earth System Data,

(4) [Resolution 2 (Cg-Ext(2021)](https://library.wmo.int/doc_num.php?explnum_id=11113#page=29)) – Amendments to the Technical Regulations related to the establishment of the Global Basic Observing Network,

**Acknowledging** that considerable technical expertise and resources are needed for such development,

**Recognizing** the urgent need to provide Members with guidance material on the GBON to facilitate the implementation of the provisions specified in the *Manual on the WMO Integrated Global Observing System* (WMO-No. 1160), [section 3.2.2](https://library.wmo.int/doc_num.php?explnum_id=11157#page=77) Global Basic Observing Network,

**Noting** Resolution ##/1 (EC-76) Amendments to the *[Manual on the WMO Integrated Global Observing System](https://library.wmo.int/index.php?lvl=notice_display&id=19223" \l ".YFxAmEBFyUl)*(WMO‑No. 1160), and Resolution ##/1 (EC-76) [*Guide to the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=20026#.YEn1n2hKiUk) (WMO-No. 1165),

**Having considered** [Recommendation 6.1(12)/1 (INFCOM-2)](#DraftRecommendation6112) – Initial version of the Guide to the Global Basic Observing Network,

**Noting further** the recommendation of the president of INFCOM of the version of the Guide to the Global Basic Observing Network as updated by the Task Team on GBON Implementation (TT-GBON) according to [Recommendation 6.1(12)/1 (INFCOM-2)](#DraftRecommendation6112),

**Having considered further** the updated version of the Guide to the Global Basic Observing Network proposed by the Commission for Observation, Infrastructure and Information Systems, as provided in the [annex](#Annex_to_Resolution) to the present resolution,

**Acknowledging** with appreciation the development of this document as the Guide to the Global Basic Observing Network,

**Adopts** the Guide to the Global Basic Observing Network, as provided in the [annex](#Annex_to_Resolution) to the present resolution, as Volume II of [*Guide to the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=20026#.YEn1n2hKiUk) (WMO-No. 1165), with effect from 1 July 2023;

**Authorizes** the Secretary-General to make any subsequent purely editorial amendments to the [annex](#Annex_to_Resolution) to the present resolution;

**Requests** the Secretary-General:

(1) To publish the Guide to the Global Basic Observing Network in all WMO official languages;

(2) To ensure the editorial consistency of the relevant documents;

**Requests** the Commission for Observation, Infrastructure and Information Systems to further develop and enhance the Guide with additional material as it becomes available;

**Invites** Members:

(1) To use the Guide in their GBON implementation;

(2) To provide feedback to the Secretary-General on how to improve subsequent versions of this Guide.

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[Annex: 1](#Annex_to_Resolution)

**Annex to draft Resolution ##/1 (EC-76)**

**GUIDE TO THE GLOBAL BASIC OBSERVING NETWORK**

(Document: [INFCOM-2-d06–1(12)-GBON-GUIDE-INITIAL-VERSION-ANNEX-approved\_en.docx](https://meetings.wmo.int/INFCOM-2/_layouts/15/WopiFrame.aspx?sourcedoc=/INFCOM-2/English/2.%20PROVISIONAL%20REPORT%20(Approved%20documents)/INFCOM-2-d06-1(12)-GBON-GUIDE-INITIAL-VERSION-ANNEX-approved_en.docx&action=default))

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