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| WEATHER CLIMATE WATER | **World Meteorological Organization**  **COMMISSION FOR OBSERVATION, INFRASTRUCTURE AND INFORMATION SYSTEMS**  **Third Session** 15 to 19 April 2024, Geneva | **INFCOM-3/Doc. 8.1(1)** |
| Submitted by: Chair of SC-ON  26.II.2024  **DRAFT 1** |

**AGENDA ITEM 8: TECHNICAL DECISIONS**

**AGENDA ITEM 8.1: WMO Integrated Global Observing System – networks**

# AMENDMENTS TO THE MANUAL ON THE WMO INTEGRATED GLOBAL OBSERVING SYSTEM (WMO-No. 1160)

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| **Summary** |
| **Document presented by:** the chair of SC-ON, to address [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, [Resolution 18 (EC‑76)](https://library.wmo.int/idviewer/66258/410) – Amendments to the Manual on the WMO Integrated Global Observing System (WMO-No. 1160), [Resolution 2 (Cg-19)](https://library.wmo.int/idviewer/67177/22) – WMO Strategic Plan (2024–2027), [Resolution 20 (Cg-19)](https://library.wmo.int/idviewer/67177/194) – High Level Guidance on the Evolution of Global Observing Systems during the period 2023–2027 in response to the Vision for the WMO Integrated Global Observing System (WIGOS) in 2040, and [Resolution 21 (Cg-19)](https://library.wmo.int/viewer/67177?viewer=picture#page=203&viewer=picture&o=bookmark&n=0&q=) – GBON Implementation, accordingly,  **Strategic objective 2024–2027:** 2.1 Optimize the acquisition of Earth system observation data through WIGOS,  **Financial and administrative implications:** within the parameters of the Strategic and Operating Plans 2024–2027,  **Key implementers:** INFCOM, Members and RAs,  **Timeframe:** 2023–2027  **Action expected:** Review and adopt the proposed draft recommendation to the Executive Council |

# GENERAL CONSIDERATIONS

### Introduction

1. The [*WMO Strategic Plan 2024–2027*](https://library.wmo.int/records/item/68578-wmo-strategic-plan-2024-2027?offset=4) (WMO-No. 1336) requests an optimized acquisition of Earth system observation data through the WMO Integrated Global Observing System (WIGOS), with a particular focus on the increased availability and scope of the observational data, the integrated observations across domains, the coordinated observations to support climate adaptation and mitigation, the new technologies brought into operations and ensured environmentally sustainable design of WMO observing programmes ensured.
2. The draft amendments compiled is the result of work done by INFCOM/SC-ON and other relevant subsidiary bodies in accordance with [Resolution 1 (INFCOM-2)](https://library.wmo.int/idviewer/66287/15) – Work programme of the Commission, and the resolutions listed above.
3. All changes are listed in the draft amendments to the [*Manual on the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=19223#.YFxAmEBFyUl) (WMO-No. 1160), Publication Revision Track Record, included in the [Annex](#Annex_to_Resolution), from which the provisions on the inclusion of the observing system for Space Weather in WIGOS, the provision relevant to operating instruments reliant on radio spectrum and national focal points on radio frequency matters, updated climate monitoring principles of Global Climate Observing System (GCOS), the updates to GBON and Regional Basic Observing Network (RBON) provisions and those on the inclusion of the WMO core and recommended satellite data are the most important.

**Expected action**

1. Based on the above, the Commission may wish to adopt the proposed recommendation.

# DRAFT RECOMMENDATION

## Draft Recommendation 8.1(1)/1 (INFCOM-3)

### Amendments to the Manual on the WMO Integrated Global Observing System (WMO-No. 1160)

THE COMMISSION FOR OBSERVATION, INFRASTRUCTURE AND INFORMATION SYSTEMS,

**Recalling:**

1. [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,
2. [Resolution 1 (INFCOM-2)](https://library.wmo.int/idviewer/66287/15) – Work programme of the Commission,
3. [Resolution 18 (EC-76)](https://library.wmo.int/idviewer/66258/410) – Amendments to the [*Manual on the WMO Integrated Global Observing System*](https://library.wmo.int/records/item/55063-manual-on-the-wmo-integrated-global-observing-system) (WMO-No. 1160),
4. [Resolution 41 (EC-76)](https://library.wmo.int/idviewer/66258/1186) – Procedures for amending the [*Technical Regulations*](https://library.wmo.int/records/item/35722-technical-regulations) (WMO-No. 49), their annexes, guides, and other corresponding non-regulatory publications,
5. [Resolution 2 (Cg-19)](https://library.wmo.int/viewer/67177?viewer=picture#page=22&viewer=picture&o=custom_bottom_Permalink&n=0&q=) – WMO Strategic Plan (2024–2027),
6. [Resolution 20 (Cg-19)](https://library.wmo.int/idviewer/67177/194) – High Level Guidance on the Evolution of Global Observing Systems during the period 2023–2027 in response to the Vision for WIGOS in 2040,
7. [Resolution 21 (Cg-19)](https://library.wmo.int/viewer/67177/?offset=1#page=204&viewer=picture&o=&n=0&q=) – GBON Implementation,
8. [Resolution 47 (Cg-19)](https://library.wmo.int/idviewer/67177/521) – WMO Mandatory publications for the nineteenth financial period.

**Noting** also draft Resolution 8.1(2)/1 (INFCOM-3) – [*Guide to the WMO Integrated Global Observing System*](https://library.wmo.int/records/item/55696-guide-to-the-wmo-integrated-global-observing-system?offset=3) (WMO-No. 1165),

**Noting** that the draft amendments have been reviewed by the Standing Committee on Earth Observing Systems and Monitoring Networks (SC-ON),

**Having examined** the draft amendments to the [*Manual on the WMO Integrated Global Observing System*](https://library.wmo.int/records/item/55063-manual-on-the-wmo-integrated-global-observing-system?offset=3) (WMO-No. 1160) in the [annex](#Annex_to_draft_Recommendation) to the present Recommendation, and notably:

1. Inclusion of the observing component for space weather,
2. Inclusion of radio frequency (RF) matters,
3. Update of the Climate Monitoring Principles of the Global Climate Observing System,
4. Clarification of the Global Basic Observing Network (GBON) requirements,
5. Adjustment of the Regional Basic Observing Network (RBON) design,
6. Inclusion of core and recommended satellite data,
7. Adjustment of the Coordination Group for Meteorological Satellites (CGMS) baseline,
8. Inclusion of DAYCLI reporting practice.

**Recommends** to the Executive Council the adoption of the amendments to the [*Manual on the WMO Integrated Global Observing System*](https://library.wmo.int/records/item/55063-manual-on-the-wmo-integrated-global-observing-system?offset=3) (WMO-No. 1160)throughthe draft resolution provided in the [annex](#Annex_to_draft_Recommendation) to the present Recommendation.

## Annex to draft Recommendation 8.1(1)/1 (INFCOM-3)

**Draft Resolution ##/1 (EC-78)**

**Amendments to the Manual on the WMO Integrated Global Observing System   
(WMO-No. 1160)**

THE EXECUTIVE COUNCIL,

**Recalling:**

1. Articles 2 (a), 2 (c) and 8 (d) of the Convention of the World Meteorological Organization,

1. [Resolution 1 (Cg-Ext(2021))](https://library.wmo.int/doc_num.php?explnum_id=11113" \l "page=9) – WMO Unified Policy for the International Exchange of Earth System Data,
2. [Resolution 6.1/1 (INFCOM-3)](https://meetings.wmo.int/INFCOM-3/English/Forms/AllItems.aspx) – Work programme of the Commission,
3. [Resolution 18 (EC-76)](https://library.wmo.int/idviewer/66258/410) – Amendments to the Manual on the WMO Integrated Global Observing System (WMO-No. 1160),
4. [Resolution 41 (EC-76)](https://library.wmo.int/viewer/66258/?offset=2#page=1186&viewer=picture&o=custom_bottom_Permalink&n=0&q=) – Procedures for amending the Technical Regulations (WMO-No. 49), their annexes, guides and other corresponding non-regulatory publications,
5. [Resolution 2 (Cg-19)](https://library.wmo.int/idviewer/67177/22) – WMO Strategic Plan (2024–2027),
6. [Resolution 20 (Cg-19)](https://library.wmo.int/idviewer/67177/194) – High Level Guidance on the Evolution of Global Observing Systems during the period 2023–2027 in response to the Vision for WIGOS in 2040,
7. [Resolution 21 (Cg-19)](https://library.wmo.int/viewer/67177/?offset=1#page=204&viewer=picture&o=&n=0&q=) – GBON Implementation,
8. [Resolution 47 (Cg-19)](https://library.wmo.int/idviewer/67177/521) – WMO Mandatory publications for the nineteenth financial period.

**Noting** Recommendation 8.1(1)/1 (INFCOM-3) – Amendments to the [*Manual on the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=19223#.YFxAmEBFyUl) (WMO-No. 1160),

**Noting** **also** Resolution 8.1(2)/1 (INFCOM-3) – [*Guide to the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=20026#.YymFiXZBw2w) (WMO-No. 1165),

**Having considered** the amendments to the [*Manual on the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=19223#.YFxAmEBFyUl) (WMO-No. 1160) as provided in the [annex](file:///C:/Users/KPremec/Downloads/INFCOM-2-d06-1(3)-WIGOS-MANUAL-1160-draft1_en.docx#Annex_to_Resolution) to the present resolution, and notably:

1. Inclusion of the observing component for space weather,
2. Inclusion of radio frequency (RF) matters,
3. Update of the Climate Monitoring Principles of the Global Climate Observing System,
4. Clarification of the Global Basic Observing Network (GBON) requirements,
5. Adjustment of the Regional Basic Observing Network (RBON) design,
6. Inclusion of core and recommended satellite data,
7. Adjustment of the Coordination Group for Meteorological Satellites (CGMS) baseline,
8. Inclusion of DAYCLI reporting practice.

**Adopts** the amendments to the [*Manual on the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=19223#.YFxAmEBFyUl)   
(WMO-No. 1160), as provided in the [annex](#Annex_to_Resolution) to the present resolution;

**Authorizes** the Secretary-General to make any subsequent purely editorial amendments;

**Requests** the Secretary-General:

(1) To publish the [*Manual on the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=19223#.YFxAmEBFyUl) (WMO-No. 1160), in all WMO official languages;

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

(3) To bring the present resolution to the attention of all concerned;

**Requests** the Commission for Observation, Infrastructure and Information Systems:

1. To further develop and enhance, in collaboration and consultation with the Commission for Weather, Climate, Hydrological, Marine and Related Environmental Services and Applications (SERCOM) and the Research Board as appropriate, [*Technical Regulations*](https://library.wmo.int/index.php?lvl=notice_display&id=14073#.YFxA70BFyUl) (WMO-No. 49), Volume I – General Meteorological Standards and Recommended Practices Part I –WIGOS, and the [*Manual on the WMO Integrated Global Observing System*](https://library.wmo.int/index.php?lvl=notice_display&id=19223#.YFxAmEBFyUl) (WMO-No. 1160), in particular according to [Resolution 21 (Cg-19)](https://library.wmo.int/idviewer/67177/204);
2. To assist Members with implementation of the provisions, as appropriate.

Note: This resolution replaces [Resolution 18 (EC-76)](https://library.wmo.int/idviewer/66258/410), which is no longer in force.

See [INFCOM-3/INF. 8.1(1)](https://meetings.wmo.int/INFCOM-3/InformationDocuments/Forms/AllItems.aspx) for more information.

## Annex to draft Resolution ##/1 (EC-78)

## Amendments to the Manual on the WMO Integrated Global Observing System (WMO-No. 1160)

(Document: [INFCOM-3-d08.1(1)-WIGOS-MANUAL-1160-ANNEX-draft1\_en.docx](https://meetings.wmo.int/INFCOM-3/_layouts/15/WopiFrame.aspx?sourcedoc=%7bA6EEFB0A-B5C5-4008-8822-482378B89F2B%7d&file=INFCOM-3-d08-1(1)-AMENDMENTS-WIGOS-MANUAL-ANNEX-draft1_en.docx&action=default))

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