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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. 6.2(2)** |
| Submitted by: Chair  25.X.2022  **DRAFT 2** |

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

**AGENDA ITEM 6.2: Standing Committee on Measurements, Instrumentation and Traceability (SC-MINT)**

# UPDATE OF THE GUIDE TO INSTRUMENTS AND METHODS OF OBSERVATION (WMO-NO. 8)

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| **Summary** |
| **Document presented by:** the chair of SC-MINT  **Strategic objective 2020–2023:** 2.1  **Financial and administrative implications:** within the terms of reference of INFCOM and its standing committees, within the parameters of the Strategic and Operational Plans  2020–2023, will be reflected in the Strategic and Operational Plans 2024–2027.  **Key implementers:** INFCOM and Members  **Time frame:** 2023–2027  **Action expected:** Review the proposed draft recommendation. |

# DRAFT RECOMMENDATION

## Draft Recommendation 6.2(2)/1 (INFCOM-2)

### Publication and translation of the Guide to Instruments and Methods of Observation (WMO-No. 8)

THE COMMISSION FOR OBSERVATION, INFRASTRUCTURE AND INFORMATION SYSTEMS,

**Recalling:**

1. [Resolution 43 (Cg-18)](https://library.wmo.int/doc_num.php?explnum_id=9827" \l "page=149) – Report of the seventeenth session of the Commission for Instruments and Methods of Observation,
2. [Resolution 15 (EC-73)](https://library.wmo.int/doc_num.php?explnum_id=11008#page=309) – Publication of the Guide to Instruments and Methods of Observation (WMO-No. 8), 2020 Edition,

**Noting** the updates that have been made to numerous chapters of the [*Guide to Instruments and Methods of Observation*](https://library.wmo.int/index.php?lvl=notice_display&id=12407#.Yyq1O3ZBw2w) (WMO-No. 8) since the first session of the Infrastructure Commission including:

1. New chapter on the measurement of glaciers, of Volume II,
2. New annex to Volume III, Chapter 5 on Ground-based remote sensing of wind — Radar wind profiler, that is proposed to be a joint WMO/ISO standard,
3. Major revision of Volume III, Chapter 6,
4. Partial revision of Volume I, Chapters 12 and 13, and Volume III, Chapters 5 and 8,
5. Minor revision of Volume I, Chapter 14; Volume II, Chapter 2; Volume III, Chapter 3, and Volume V, Chapter 5,

**Noting further** that all proposals for the update of the chapters of the Guide had been posted on the WMO website for Member review (available [here](https://community.wmo.int/activity-areas/imop/wmo-no.8/preliminary-2023-edition-wmo-no-8)),

**Having examined** the results of the review,

**Endorses** the amendments to the Guide to Instruments and Methods of Observation (WMO‑No. 8) available [here](https://community.wmo.int/activity-areas/imop),

**Recommends** to the Executive Council the adoption of the update on the Guide to Instruments and Methods of Observation (WMO-No. 8)throughthe draft resolution provided in the [annex](#Annex_to_draft_Recommendation) to the present Recommendation;

**Considering** that, for Members, the Guide constitutes an important source of guidance material related to the WMO Integrated Global Observing System and the Global Framework for Climate Services, underpinning most services provided by Members,

**Considering further** the need to ensure that the new guidance material is translated and made available to the WMO community as promptly as possible,

**Noting** the delays experienced in publishing the previous editions of this Guide in all WMO editions,

**Recommends** that the Secretary-General makes arrangements for the publication of the Guide by the end of the current financial period and considers identifying the resources to translate the new edition of the Guide into all WMO languages from within the regular budget and/or voluntary contributions;

**Requests** the Standing Committee on Measurements, Instrumentation and Traceability (SC‑MINT) to continue to promote innovation and the application of emerging technologies, techniques and integrated solutions in measurements, and where proven to be beneficial to Members, incorporate these techniques and solutions into future updates of the Guide. [China, New Zealand]

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## Annex to draft Recommendation 6.2(2)/1 (INFCOM-2)

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

**Publication and translation of the Guide to Instruments and Methods of Observation (WMO-No. 8)**

THE EXECUTIVE COUNCIL,

**Recalling:**

(1) [Resolution 43 (Cg-18)](https://library.wmo.int/doc_num.php?explnum_id=9827#page=149) – Report of the seventeenth session of the Commission for Instruments and Methods of Observation,

(2) [Resolution 15 (EC-73)](https://library.wmo.int/doc_num.php?explnum_id=11008#page=309) – Publication of the Guide to Instruments and Methods of Observation (WMO-No. 8), 2020 Edition,

**Having considered** Recommendation 6.2(2)/1 (INFCOM-2) Publication and translation of the[*Guide to Instruments and Methods of Observation*](https://library.wmo.int/index.php?lvl=notice_display&id=12407#.Yyq1O3ZBw2w)(WMO-No. 8),

**Having considered further** the update of the *Guide to Instruments and Methods of Observation* (WMO-No. 8) proposed by the Commission for Observation, Infrastructure and Information Systems,

**Decides** to adopt the updated *Guide to Instruments and Methods of Observation* (WMO-No. 8), as provided in the provisional 2023 update of the Guide available [here](https://community.wmo.int/activity-areas/imop);

**Noting** the delays experienced in publishing the previous editions of this Guide in all WMO languages,

**Requests** the Secretary-General:

(1) To publish the *Guide to Instruments and Methods of Observation* (WMO-No. 8) in all WMO official languages by the end of the current financial period;

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

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

**Invites** Members:

(1) To use the Guide in their implementation of the relevant Technical Regulations;

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

**Requests** INFCOM to further update the Guide, as appropriate, thus providing Members with the up-to-date guidelines on instruments and methods of observation.

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