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| WEATHER CLIMATE WATER | **World Meteorological Organization**  **COMMISSION FOR OBSERVATION, INFRASTRUCTURE AND INFORMATION SYSTEMS**  **Second Session** Geneva, 24 to 28 October 2022 | **INFCOM-2/Doc. 6.2(4)** |
| Submitted by: Chair of SC-MINT  26.IX.2022  **DRAFT 1** |

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

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

# Publication and translation of THE GUIDE TO OPERATIONAL WEATHER RADAR BEST PRACTICES

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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(4)/1 (INFCOM-2)

**New Guide to Operational Weather Radar Best Practices**

THE COMMISSION FOR OBSERVATION, INFRASTRUCTURE AND INFORMATION SYSTEMS,

**Recalling** [Resolution 3 (INFCOM-1)](https://library.wmo.int/doc_num.php?explnum_id=11197/#page=43) Workplan of the standing committees and study groups of the Commission for Observation, Infrastructure and Information Systems (Infrastructure Commission),

**Noting** that:

1. The new Guide to Operational Weather Radar Best Practices that will comprise eight volumes has been prepared by the INFCOM Joint Expert Team on Operational Weather Radars (JET-OWR) and reviewed and endorsed by the INFCOM SC-MINT Editorial Board,
2. The preliminary edition of the proposed Guide had been posted on the WMO website for Member review (available [here](https://community.wmo.int/activity-areas/imop/wmo-no.8/radar-best-practices-guide)),and the results of the review have been examined,

**Noting further** that the following four volumes are ready for publication:

I Weather Radar Network Program Design  
II Weather Radar Technology  
III Weather Radar Procurement  
VII Weather Radar Data Representation and International Exchange

**while** the other four volumes will require additional work before being considered for approval/ publication:

IV Weather Radar Siting, Configuration, and Scan Strategies

V Weather Radar Calibration, Monitoring, and Maintenance

VI Weather Radar Data Processing   
VIII Operational Weather Radar Glossary of Terminology

**Endorses** the text of the provisional 2023 Edition of the guide consisting of Volumes I-III and VII (available [here](https://community.wmo.int/activity-areas/imop));

**Considering** that the Guide constitutes, for Members, an important source of guidance material related to various aspects of operational weather radar programs, and provides complementary and supportive guidance to the Guide to Instruments and Methods of Observation (WMO-No. 8), and the Guide to WIGOS (WMO-No. 1165),

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

**Recommends** that the Executive Council adopts the draft resolution provided in the [annex](#Annex_to_draft_Recommendation) to the present Recommendation**.**

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## Annex to draft Recommendation 6.2(4)/1 (INFCOM-2)

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

**Publication and translation of the Guide to   
Operational Weather Radar Best Practices (WMO-No. ##)**

THE EXECUTIVE COUNCIL,

**Having considered** Recommendation 6.2(4)/1 (INFCOM-2) *Publication and Translation of the Guide to Operational Weather Radar Best Practices,*

**Adopts** Recommendation 6.2(4)/1 (INFCOM-2);

**Requests** the Secretary-General:

(1) To publish the Guide to Operational Weather Radar Best Practices in all WMO official languages by the end of the current financial period;

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

(3) To identify resources to translate the Guide into all WMO languages from within the regular budget and/or voluntary contributions;

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

**Invites** Members:

(1) To use the Guide in their implementation of the relevant operational weather radar activities, in accordance with the Technical Regulations;

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

(3) To provide voluntary contributions to support the timely publication of the Guide in English and in other official WMO languages;

**Requests** INFCOM to further update and amend the Guide, as appropriate, thus providing Members with the up-to-date guidelines on operational weather radars, and maintaining consistency with the content of the [*Guide to Instruments and Methods of Observation*](https://library.wmo.int/index.php?lvl=notice_display&id=12407)   
(WMO-No. 8) and other relevant WMO publications.

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