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| WEATHER CLIMATE WATER | **World Meteorological Organization**  **WORLD METEOROLOGICAL CONGRESS**  **Nineteenth Session** 22 May to 2 June 2023, Geneva | **Cg-19/Doc. 4.1(4)** |
| Submitted by: President of SERCOM  3.IV.2023  **DRAFT 1** |

**AGENDA ITEM 4: TECHNICAL STRATEGIES SUPPORTING LONG-TERM GOALS**

**AGENDA ITEM 4.1: Services for societal needs**

# PROPOSED AMENDMENT TO the TECHNICAL REGULATIONS (wmo‑nO. 49) VOLUME I, to include the common alerting protocol standard as a recommended practice

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| **Summary** |
| **Document presented by:** The President of the Commission for Weather, Climate, Water and Related Environmental Services and Applications (P/SERCOM) following [Recommendation 9 (SERCOM-2)](https://library.wmo.int/doc_num.php?explnum_id=11528#page=202)  **Strategic objective 2020–2023:** 1.1 Strengthen multi-hazard early warning/alert systems and extend reach to better enable effective response to the associated risks. 1.3 Further develop services in support of sustainable water management. 1.4 Enhance the value and innovate the provision of decision-supporting weather information and services  **Financial and administrative implications:** within the parameters of the Strategic and Operational Plans 2020–2023, will be reflected in the Strategic and Operational Plans 2024–2027.  **Key implementers**: Members  **Time frame**: 2023 onwards  **Action expected:** To adopt the amendment to the WMO Technical Regulations |

# GENERAL CONSIDERATIONS

### Proposed amendment to the [*Technical Regulations*](https://library.wmo.int/?lvl=notice_display&id=14073#.Yt_4cXZBwuW)(WMO-No. 49)*,* Volume I: General Meteorological Standards and Recommended Practices, Section 5*.*

1. The Standing Committee on Disaster Risk Reduction (SC-DRR), upon the recommendation from its Expert Team on the Global Multi-Hazard Alert System Framework (ET-GMAS), has determined, considering the summary report, [paragraph 3.1.59](https://library.wmo.int/doc_num.php?explnum_id=3138#page=60) of the seventeenth session of the World Meteorological Congress (Cg-17 (2015)), “Congress stressed the need for further guidance to Members on their conversion of weather warnings into Common Alerting Protocol (CAP) format and for enhanced technical assistance to Members, as needed, for the implementation of the CAP standard” and the value of the format given its role as all-media and all-hazards, to propose changes to the Technical Regulations to include CAP as a recommended practice.

2. Consequently, SC-DRR has prepared a proposed amendment to the [*Technical Regulations*](https://library.wmo.int/?lvl=notice_display&id=14073#.Yt_4cXZBwuW)(WMO‑No. 49),Volume I: General Meteorological Standards and Recommended Practices, Section 5. SC-DRR considers that the proposed changes will have an immediate positive impact on the GMAS strategy and implementation plan. It is worthwhile noting that the proposed changes were consulted with the Commission for Observation, Infrastructure and Information Systems (INFCOM) in mid-2022.

3. ET-GMAS provided its endorsement of the proposed amendment to the [*Technical Regulations*](https://library.wmo.int/?lvl=notice_display&id=14073#.Yt_4cXZBwuW)(WMO‑No. 49), Volume I: for the Commission for Weather, Climate, Water and Related Environmental Services and Applications (SERCOM) and a draft resolution for the World Meteorological Congress (Cg) in this regard.

# DRAFT RESOLUTION

## Draft Resolution 4.1(4)/1 (Cg-19)

## Amendment to the [*Technical Regulations*](https://library.wmo.int/?lvl=notice_display&id=14073#.Yt_4cXZBwuW)(WMO-No. 49), *Volume I:* Section 5*, to include the Common Alerting Protocol standard as a recommended practice*

THE WORLD METEOROLOGICAL CONGRESS,

**Having considered** [Recommendation 9 (SERCOM-2) –](https://library.wmo.int/doc_num.php?explnum_id=11528#page=202) Proposed amendment to the [*Technical Regulations*](https://library.wmo.int/?lvl=notice_display&id=14073#.Yt_4cXZBwuW)(WMO-No. 49)*,* Volume I: General Meteorological Standards andRecommended Practices,

**Having agreed** [Recommendation 9 (SERCOM-2)](https://library.wmo.int/doc_num.php?explnum_id=11528#page=202),

**Adopts** the amendment to the [*Technical Regulations*](https://library.wmo.int/?lvl=notice_display&id=14073#.Yt_4cXZBwuW)(WMO-No. 49),Volume I: General Meteorological Standards and Recommended Practices, as provided in the [annex](#_Annex_1_to) to the present resolution with an applicability date of 1 January 2024;

**Requests** the Secretary-General to expeditiously arrange for the publication of the amended [*Technical Regulations*](https://library.wmo.int/?lvl=notice_display&id=14073#.Yt_4cXZBwuW)(WMO-No. 49), Volume I: General Meteorological Standards and Recommended Practices;

**Requests** the president of the Commission for Weather, Climate, Water and Related Environmental Services and Applications (SERCOM) to continue to ensure that WMO’s Technical Regulations are periodically reviewed and updated as necessary in accordance with established procedures.

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[Annex: 1](#_Annex_1_to)

## Annex to draft Resolution 4.1(4)/1 (Cg-19)

**Amendment to the** [***Technical Regulations***](https://library.wmo.int/?lvl=notice_display&id=14073#.Yt_4cXZBwuW)**(WMO-No. 49) Volume I:  
*General Meteorological Standards and Recommended Practices***

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| Editorial Note 1. — *The following proposal is based on the 2021 update of the 2019 edition of WMO-No. 49, Volume I available on the WMO e-Library* [*here*](https://library.wmo.int/index.php?lvl=notice_display&id=14073).  Editorial Note 2. — *The text of the amendment is arranged to show new text with underline, as shown below:*   |  |  | | --- | --- | | New text to be inserted with underline | new text to be inserted | |

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PART IV. METEOROLOGICAL, HYDROLOGICAL AND CLIMATOLOGICAL SERVICES

Section 5. PUBLIC WEATHER SERVICES

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5.2 Public weather service delivery

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5.2.3 Dissemination and communication of products

5.2.3.1 Members should ensure preparation and timely dissemination, to relevant users, of public weather information, including warning information concerning occurrence and evolution of severe weather phenomena. Such information should be fit for purpose for integration into decision-making processes and procedures related to the protection of life and property and the general welfare of the public.

5.2.3.2 Members should apply the Common Alerting Protocol (CAP) of the International Telecommunication Union (ITU) for the dissemination of warning information.

Note: The CAP is contained in Series X: Data Networks, Open System Communications and Security of the Telecommunication Standardization Sector of the ITU.

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