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| WEATHER CLIMATE WATER | **World Meteorological Organization**  **COMMISSION FOR WEATHER, CLIMATE, WATER AND RELATED ENVIRONMENTAL SERVICES AND APPLICATIONS**  **Second Session** 17 to 21 October 2022, Geneva | **SERCOM-2/Doc. 5.1(8)** |
| Submitted by: Chair  20.X.2022  **APPROVED** |

**AGENDA ITEM 5: TECHNICAL REGULATIONS AND OTHER TECHNICAL MATTERS**

**AGENDA ITEM 5.1:** **Recommended amendments to Technical Regulations (WMO-No. 49), including Manuals and Guides**

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



# GENERAL CONSIDERATIONS

### Proposed amendment to the *Technical Regulations, Volume I, General Meteorological Standards and Recommended Practices* (WMO-No. 49) [Section 5](https://library.wmo.int/doc_num.php?explnum_id=10955#page=45)*.*

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 *Technical Regulations, Volume I, General Meteorological Standards and Recommended Practices* (WMO‑No. 49), [Section 5](https://library.wmo.int/doc_num.php?explnum_id=10955#page=45). SC-DRR considers that the proposed changes will have an immediate positive impact on the GMAS strategy and implementation plan. It is worthwhile to note 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 WMO-No. 49, Volume I for the Services Commission (SERCOM) and a draft resolution for the World Meteorological Congress (Cg) in this regard.

# DRAFT RECOMMENDATION

## Draft Recommendation 5.1(8)/1 (SERCOM-2)

### Proposed amendment to the *Technical Regulations, Volume I, General Meteorological Standards and Recommended Practices* (WMO-No. 49)

THE COMMISSION FOR WEATHER, CLIMATE, WATER AND RELATED ENVIRONMENTAL SERVICES AND APPLICATIONS,

**Recalling** that the World Meteorological Congress, at its seventeenth session ([paragraph 3.1.59](https://library.wmo.int/doc_num.php?explnum_id=3138#page=60) of the summary report), 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 importance of CAP in issuing warnings,

Recognizing that warnings issued by Members should be designed, based on and disseminated in appropriate formats that best meet the needs of national, regional, and global users, to protect life and property,

Recognizing further that CAP is now widely used in many countries and, therefore, its application would benefit Members by improving the visibility of and promoting of international exchanges of the warnings,

**Acknowledging** that the *Technical Regulations*, Volume I, *General Meteorological Standards and Recommended Practices* (WMO-No. 49) [Section 5](https://library.wmo.int/doc_num.php?explnum_id=10955#page=45)*,* concern the preparation of warnings,

**Having considered** the amendments to WMO-No. 49, Volume I proposed by the Standing Committee on Disaster Risk Reduction and Public Services (SC-DRR), based on [Recommendation 3 (ET-GMAS-3)](https://wmoomm.sharepoint.com/sites/wmocpdb/eve_activityarea/Forms/AllItems.aspx?id=%2Fsites%2Fwmocpdb%2Feve%5Factivityarea%2FDisaster%20Risk%20Reduction%20Programme%20%28DRR%29%5Fe579a374%2D1573%2De911%2Da965%2D000d3a396ff4%2FET%2DGMAS%2FSummary%20Report%20ET%2DGMAS%2D3%2Epdf&parent=%2Fsites%2Fwmocpdb%2Feve%5Factivityarea%2FDisaster%20Risk%20Reduction%20Programme%20%28DRR%29%5Fe579a374%2D1573%2De911%2Da965%2D000d3a396ff4%2FET%2DGMAS&p=true&ga=1&isSPOFile=1&OR=Teams-HL&CT=1662226275712&clickparams=eyJBcHBOYW1lIjoiVGVhbXMtRGVza3RvcCIsIkFwcFZlcnNpb24iOiIyNy8yMjA3MzEwMTAwNSIsIkhhc0ZlZGVyYXRlZFVzZXIiOmZhbHNlfQ%3D%3D) of its Expert Team on the Global Multi-hazard Alert System Framework (ET-GMAS), as part of its responsibility to develop new or updated WMO Technical Regulations,

**Being informed** of the consultation between the Services Commission and the Infrastructure Commission regarding the proposed amendment to the *Technical Regulations*, Volume I, *General Meteorological Standards and Recommended Practices* (WMO-No. 49),

**Recommends** to the World Meteorological Congress the adoption of amendment to the *Technical Regulations, Volume I, General Meteorological Standards and Recommended Practices* (WMO-No. 49), as provided in the [annex](#Annex_to_draft_Recommendation) to this present recommendation.

**Invites** the Secretary-General to facilitate close collaboration with the ITU and the OASIS Consortium to ensure that the development of the CAP standard takes into consideration the needs and future developments of national Early Warning Systems.

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[Annex: 1](#Annex_to_draft_Recommendation)

## Annex to draft Recommendation 5.1(8)/1 (SERCOM-2)

## Draft Resolution ##/1 (Cg-##)

THE WORLD METEOROLOGICAL CONGRESS,

**Having considered** Recommendation 5.1(8)/1 (SERCOM-2) – Proposed amendment to the [*Technical Regulations, Volume I, General Meteorological Standards and Recommended Practices*](https://library.wmo.int/?lvl=notice_display&id=14073#.Yt_4cXZBwuW)(WMO-No. 49),

**Having agreed** Recommendation 5.1(8)/1 (SERCOM-2),

**Adopts** the amendment to the *Technical Regulations, Volume I, General Meteorological Standards and Recommended Practices* (WMO-No. 49), 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* *Volume I, General Meteorological Standards and Recommended Practices* (WMO-No. 49);

**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 1 to draft Resolution ##/1 (Cg-19)

**Amendment to the *Technical Regulations* Volume I,  
*General Meteorological Standards and Recommended Practices* (WMO-No. 49)**

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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

[…]

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 Common Alerting Protocol (CAP)is contained in Series X: Data Networks, Open System Communications and Security of the Telecommunication Standardization Sector of the International Telecommunication Union.

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