

**WMO OMM**

World Meteorological Organization
Organisation météorologique mondiale
Organización Meteorológica Mundial
Всемирная метеорологическая организация
المنظمة العالمية للأرصاد الجوية
世界气象组织

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Annex(es):3 (available in English only)

Subject: Enhancing early warning capabilities of WMO Members

Action required: (1) To implement the Common Alerting Protocol (CAP)
(2) To sustain the use of the CAP standard
(3) To nominate Editors of the WMO Register of Alerting Authorities
(4) To update and include all alerting authorities for relevant hazards in the WMO Register of Alerting Authorities

Dear Sir/Madam,

At the nineteenth session of the World Meteorological Congress (Cg-19), the common alerting protocol (CAP) was endorsed as a recommended practice to be routinely utilized for the dissemination of warnings and is now included in the Technical Regulations, Volume I (WMO-No. 49). See [Annex I](#). The global advancement of CAP implementation represents a significant milestone in the Early Warnings for All (EW4All) initiative.

The CAP standard caters to all types of emergencies and is designed for all media, all hazard communications to anyone. CAP messages focus on the type of event, urgency, certainty and severity – captured through the level of threat to life and property. Members are therefore encouraged to sustain the use of CAP. WMO will continue to reach out to Members to promote CAP implementation with the assistance from Members who are already compliant. Capturing and sharing good practices and lessons learned will improve collaboration between National Meteorological and Hydrological Services (NMHSs), and build the regional expertise required to routinely use the CAP standard for the dissemination of warnings.

Today, there is a multiplicity of information technology and social media for the communication of warning information, hence, it is imperative to ensure that warnings come from authoritative sources. The WMO Register of Alerting Authorities provides this record of authoritative sources and users. CAP messages are rooted through the [WMO Register of Alerting Authorities](#) to recognize warnings coming from genuine, authoritative sources for the respective designated alerting areas. This is paramount as the stakeholders, the public, and the last mile will receive official CAP messages when they harvest alerts. These alerts are displayed on the [Severe Weather Information Centre \(SWIC\)](#), a core component of the [Global Multi-hazard Alert System \(GMAS\)](#).

The WMO Register of Alerting Authorities contains at least one record for each of the 193 Members. These records need to be maintained by Editors, designated by the Permanent Representatives of Members with WMO. We have been working with countries to have their Editors updated and Alerting Authorities registered. Currently, 148 countries have updated records on the WMO Register of Alerting Authorities. See [Annex II](#).

To: Permanent Representatives of Members with WMO

cc: Hydrological Advisers
Presidents of regional associations

The [WMO Register of Alerting Authorities Group](#), has now been created on the WMO Community Platform. Hence, you can now nominate Editor(s) of the Register, directly through the dedicated Community Platform [page](#). A video guide on how to nominate focal points including Editors to WMO groups, can be accessed [here](#).

Members are kindly reminded to ensure that all alerting authorities for relevant hazards and the CAP URL feeds, where available, are included in the WMO Register of Alerting Authorities. For further details on CAP and the WMO Register of Alerting Authorities, please contact the Secretariat focal point Adanna Robertson-Quimby (arobertson@wmo.int). Links to resource materials on CAP are provided in [Annex III](#).

I would like to take this opportunity to thank you and your NMHS for your continued support as we promote the success of the GMAS vision which formed the baseline of, and is now emphasised in, the context of the EW4All initiative.

Yours faithfully,



Prof. Celeste Saulo
Secretary-General

**CONGRESS ENDORSEMENT TO INCLUDE THE COMMON ALERTING PROTOCOL
AS A RECOMMENDED PRACTICE IN THE TECHNICAL REGULATIONS (WMO-NO. 49)**

Resolution 13 (Cg-19)

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

Having agreed Recommendation 9 (SERCOM-2),

Adopts the amendment to the [Technical Regulations](#) (WMO-No. 49), Volume I: General Meteorological Standards and Recommended Practices, as provided in the annex 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](#) (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.

Annex to Resolution 13 (Cg-19)

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

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](#).*

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

[...]

PART IV. METEOROLOGICAL, HYDROLOGICAL AND CLIMATOLOGICAL SERVICES

Section 5. PUBLIC WEATHER SERVICES

[...]

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 routinely utilize 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.

[...]

**COUNTRIES WITH UPDATED EDITORS OR RECORDS ON THE
REGISTER OF ALERTING AUTHORITIES**

Ref.: 05266/2024-110 SDPS

Afghanistan	Germany	Peru
Albania	Ghana	Philippines
Algeria	Guinea	Portugal
Anguilla (BCT)	Guinea-Bissau	Qatar
Antigua and Barbuda	Guyana	Republic of Korea
Argentina	Hong Kong, China	Romania
Armenia	Iceland	Russian Federation
Australia	India	Rwanda
Austria	Indonesia	Saint Lucia
Bahamas	Iran (Islamic Republic of)	Samoa
Bahrain	Iraq	Sao Tome and Principe
Barbados	Ireland	Saudi Arabia
Belarus	Italy	Senegal
Belize	Jamaica	Serbia
Benin	Jordan	Seychelles
Bosnia and Herzegovina	Kazakhstan	Sierra Leone
Botswana	Kenya	Singapore
Brazil	Kiribati	Slovakia
British Virgin Islands (BCT)	Kuwait	Slovenia
Bulgaria	Lebanon	Solomon Islands
Burkina Faso	Lesotho	South Africa
Burundi	Liberia	South Sudan
Cameroon	Libya (State of)	Spain
Canada	Luxembourg	Sri Lanka
Cayman Islands (BCT)	Macao, China	Sudan
Central African Republic	Madagascar	Suriname
Chad	Malawi	Sweden
Chile	Maldives	Switzerland
China	Mali	Syrian Arab Republic
Comoros	Malta	Thailand
Congo	Mauritania	Timor-Leste
Cook Islands	Mauritius	Togo
Costa Rica	Mexico	Tonga
Côte d'Ivoire	Micronesia (Federated States of)	Trinidad and Tobago
Croatia	Mongolia	Tunisia
Curaçao and Sint Maarten	Montserrat (BCT)	Turks and Caicos Islands (BCT)
Czechia	Mozambique	Tuvalu
Democratic Republic of the Congo	Myanmar	Uganda
Denmark	Namibia	Ukraine
Djibouti	Nepal	United Arab Emirates
Ecuador	Netherlands	United Kingdom of Great Britain and Northern Ireland
Egypt	New Caledonia	United Republic of Tanzania
Eswatini	New Zealand	United States of America
Ethiopia	Niger	Uruguay
Fiji	Nigeria	Uzbekistan
Finland	North Macedonia	Yemen
France	Norway	Zambia
French Polynesia	Oman	Zimbabwe
Gabon	Pakistan	
Gambia (The)	Paraguay	

RESOURCE MATERIALS ON THE COMMON ALERTING PROTOCOL

- (1) [Update: Impact-based Forecasting and Warning Services and the Common Alerting Protocol](#)
- (2) [CAP online course and resources](#)
- (3) [Guidelines for Implementation of Common Alerting Protocol \(CAP\)-Enabled Emergency Alerting, WMO-No. 1109](#)
- (4) [WMO Register of Alerting Authorities](#)
 - [PWS 20 Administrative Procedure for Registering WMO Alerting Identifiers](#)
