

**WMO OMM**

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

**Secrétariat**

7 bis, avenue de la Paix – Case postale 2300  
CH 1211 Genève 2 – Suisse  
Tél.: +41 (0) 22 730 81 11  
Fax: +41 (0) 22 730 81 81  
wmo@wmo.int – public.wmo.int

Ref.: 05266/2024.1.10 S/DPS

文件编号: 05266/2024/S/DMPS/DTD

2024 年 4 月 29 日

附件: 3 份 (仅提供英文)

主题: 提高 WMO 会员的早期预警能力

- 要求采取的行动:
- (1) 实施《通用警报协议》(CAP)
  - (2) 维持 CAP 标准的使用
  - (3) 提名 WMO 警报机构登记册的编辑
  - (4) 更新 WMO 警报机构登记册并在其中纳入所有的相关危害警报机构

尊敬的先生/女士,

在第十九次世界气象大会 (Cg-19) 上, 通用警报协议 (CAP) 被核准作为日常用于分发预警的推荐做法, 它目前已被纳入《技术规则》第一卷 (WMO-No. 49)。见附件一。CAP 在全球的实施进展是全民预警 (EW4All) 倡议的一个重要里程碑。

CAP 标准适用于各类紧急事件, 适用于所有媒体以及向任何人的所有危害通报。CAP 讯息侧重于事件的类型、紧迫性、确定性和严重性 - 通过对生命财产的威胁程度来体现。因此, 鼓励会员维持使用 CAP。WMO 将继续与会员接触, 在已履约的会员协助下促进 CAP 的实施。获取和共享良好的做法及经验教训将会促进国家气象水文部门 (NMHS) 之间的合作, 并建立日常使用 CAP 标准分发预警所需的区域专业知识。

如今, 有多种信息技术和各类社交媒体可传播警报信息, 因此, 当务之急是确保警报信息来自权威来源。WMO 警报机构登记册可提供这种权威来源和用户的记录。CAP 讯息源自 WMO 警报机构登记册, 用以识别来自各自指定警报区域的真实、权威来源的预警信息。这一点至关重要, 因为利益相关方、公众和最后一英里将在收到警报的同时收到官方的 CAP 讯息。这些警报显示在灾害天气信息中心 (SWIC), 该中心是全球多灾种警报系统 (GMAS) 的一个核心组成部分。

WMO 警报机构登记册包含 193 个会员中每个会员的至少一条记录。这些记录需要由 WMO 会员常任代表指定的编辑负责维护。我们一直与各国合作, 更新他们的编辑并注册警报发布机构。目前, 有 148 个国家更新了在 WMO 警报机构登记册中的记录。见附件二。

在 WMO 全系统平台上现已创建了 WMO 警报机构登记册。因此, 您现在可直接通过专用平台页面提名登记册的编辑。关于如何向 WMO 各组提名包括编辑在内的联络人的视频指南可点击[此处](#)。

谨提醒各会员确保所有的相关危害警报机构和 CAP URL 源地址 (如有) 均被纳入 WMO 警报机构登记册。关于 CAP 和 WMO 警报机构登记册的更多详情, 请联系秘书处联络人 Adanna Robertson-Quimby ([arobertson@wmo.int](mailto:arobertson@wmo.int))。有关 CAP 辅导材料的链接参见附件三。

收件人: WMO 会员常任代表

抄送: 水文顾问  
区域协会主席

借此机会，我要感谢您和贵方 NMHS 在我们推动 GMAS 愿景取得成功的过程中所给予的持续支持，这一愿景构成了 EW4All 倡议的基线，并在目前结合该倡议加以强调。

此致



席勒斯特·绍罗教授  
秘书长

**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.

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**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](#)

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