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पृथ्वी विज्ञान मंत्रालय / **Ministry of Earth Sciences**
भारत मौसम विज्ञान विभाग / **India Meteorological Department**
मौसम विज्ञान के महानिदेशक का कार्यालय / **Office of the Director General of Meteorology**
मौसम भवन, लोदी रोड़ / **Mausam Bhavan, Lodi Road**
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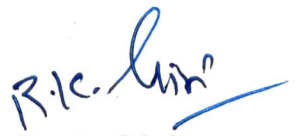
Dated: 10.04.2024

Circular

Subject: 2024 Common Alerting Protocol (CAP) Implementation Workshop and Training during 22-24 October 2024 in Leuven, Belgium.

2024 Common Alerting Protocol (CAP) Implementation Workshop and Training is scheduled to be held in hybrid format (with in-person participation and online webinars). The Workshop and training will be held during 22-24 October 2024 in Leuven, Belgium. Also, there is no charge to participate. Further details regarding the above event are attached herewith.

Interested IMD officials may ensure their **ONLINE** participation via self registration under intimation to the organisation division at the following email address:

Email: **organisationsection@gmail.com**

Dr. R.K. Giri
Sc.–F (Head Org.)
For DGM

2024 Common Alerting Protocol (CAP) Implementation Workshop and Training
22-24 October in Leuven, Belgium

Traveller Information Services Association (TISA), U.S. Agency for International Development (USAID), U.S. National Oceanic and Atmospheric Administration (NOAA), and Alert-Hub.Org CIC are hosting the 2024 CAP Implementation Workshop. Co-sponsors are the International Association of Emergency Managers (IAEM) and the OASIS standards organization.

The Workshop will be 23-24 October, 9:30-17:30 CEST, in the Grand Auditorium of Irish College in Leuven, Belgium. The CAP Implementation Workshop follows two events on 22 October in the same venue. There will be CAP Training 9:00 to noon and a TISA Workshop in the afternoon. Everyone is welcome to participate in all three days. Click here to register.

For those who cannot participate in person, Webinar call-in instructions will be sent to everyone registered. Documents pertaining to the Workshop and Training will be posted to the Workshop website.

Everyone interested in emergency alerting is welcome: managers, technical staff, media, etc., including government, non-governmental organizations (NGOs), and commercial firms. There is no charge to participate.

CAP Implementation Workshops focus on emergency alerting as enabled by the CAP standard, International Telecommunication Union Recommendation X.1303. At the Workshops, implementers of CAP and other associated organizations discuss common issues and how to leverage the expanding adoption of CAP.

Today, 87% of the world's population lives in a country with at least one national CAP feed operational, and another 5% have CAP in testing. CAP implementation by country is shown in this zoomable map and in the static map shown below.

Developing nations and small nations have lagged behind other nations in their uptake of CAP. This gap in uptake inspired the Call to Action on Emergency Alerting, launched in April 2021 and endorsed by the International Federation of Red Cross and Red Crescent Societies (IFRC), International Telecommunication Union (ITU), United Nations Office for Disaster Risk Reduction (UNDRR), World Broadcasting Unions (WBU), and the World Meteorological Organization (WMO), among others. Included as one of the Outcomes in the UN 'Early Warnings for All' Action Plan, the goal of this Call to Action is: "all countries have the capability for effective, authoritative emergency alerting that leverages the Common Alerting Protocol (CAP), suitable for all media and all hazards."

Sessions of the CAP Training will cover the basics of CAP, a survey of operational CAP implementations, and, hands-on instruction on the cloud-based CAP Editor freeware. It will also note the UN Global Digital Compact to be signed in September 2024. In that regard, the CAP community provided this one-sentence input: "Timely warning of life-critical emergencies is essential to public communication services." Endorsements of this input can be seen here.

The CAP Training will also note the CEN Workshop Agreement: "Requirements and recommendations for social media early warning messages in crisis and disaster management". It includes this requirement: "To ensure consistency, clarity and completeness of the messages disseminated simultaneously across different channels, the social media early warning

CAP Implementations

green	operational
yellow	development
grey	unknown

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messages and related notifications shall refer to the persistent unique URL of the CAP message."

Participants in the CAP Training will hear about the Esri "CAP Connector" tool that transforms any CAP Alert Hub feed into a dynamic, near-real-time Geographic Information Systems (GIS) Feature Layer (available here). Such a service facilitates GIS analysis and advanced functions such as geofencing. Having CAP alerts easily integrated in GIS will greatly facilitate use of CAP alerts in Situation Awareness resources used by Emeregncy Operation Centers (EOCs) in cities, provinces, countries, and regions throughout the world.

The CAP Training will also cover version 0.2 of the Common Policies and Practices document. This document compiles specifics for major CAP Services such as Google Crisis Response, IFRC Alert Hub, MeteoAlarm, meteoblue, Open Broadcaster, Traveler Information Services Association, WMO Alert Hub, and WMO Severe Weather Information Centre (SWIC).

The CAP Training is open to participants in the CAP Workshop. All registered participants of the Workshop will also get Webinar call-in instructions for the Training.

The Workshop Programme will be established after acceptance of proposed topics. These topics must be submitted by prospective Speakers prior to 1 August 2024.

Here following are examples of topics based on prior CAP Workshops.

Traveler Information Services Association might present a status update on implementations of the TPEG2 Emergency Alerts and Warnings (EAW) standard, This standard helps enable CAP alerts, such as are aggregated by CAP Alert Hubs, to go directly to in-vehicle navigation systems, such as Garmin, Tom-Tom, and those offered by car manufacturers worldwide.

There will very likely be an update on work of the OASIS Emergency Management Technical Committee.

WMO might provide remarks on its CAP activities, including the UN Early Warnings for All (EW4All) Action Plan, which builds on the worldwide CAP infrastructure. Specifically, Pillar 3 of the Action Plan has an Action to "Establish CAP editor and Alert Hub to further enhance multi-hazard CAP based emergency alerting". In its CAP aspects, EW4All dovetails with the WMO Global Multi-hazard Alert System (GMAS). GMAS might be covered in a WMO presentation as well.

In addition to WMO, IFRC, UNDRR, and ITU have leadership roles in the UN EW4All Action Plan.

IFRC might also provide an update on the IFRC Alert Hub initiative, the IFRC CAP Editor tool now in development, and other aspects of their CAP engagement.

UNDRR might give a presentation about their CAP-related activities. UNDRR recently created this short video about CAP.

The Workshop might hear from the ITU Development Bureau about its CAP-related activities in support of its Emergency Telecommunications roles. This includes ITU guidance on CAP implementation as part of the National Emergency Telecommunications Plan (NETP)

A representative of the non-profit GSM Association (GMSA) of mobile network operators might discuss the Humanitarian Connectivity Charter in terms of engaging the mobile industry in disaster resilience.

World Broadcasting Unions might give an overview of their ongoing DRR: Media Saving Lives work. Focused on radio and television news broadcasters worldwide, this UNDRR project includes ITU and WMO as collaborators. Phase 4 of this project highlights the UN EW4All initiative. Courseware on CAP for broadcasters is available at https://drrhub.org/learn-cap.php

CAP Implementation Workshops are technical meetings conducted in English without interpretation. These meetings do not set policy; they are intended solely for information sharing among experts. Accordingly, participants represent themselves and need not be formally associated with organizations. Registration is necessary to receive the required password for the video conference.

Materials from the 16 prior CAP Implementation Workshops are available at these links:

- 2023 Geneva, Switzerland
- 2022 Amsterdam, The Netherlands
- 2021 Geneva, Switzerland (remote only)
- 2020 Geneva, Switzerland (remote only)
- 2019 Mexico City, Mexico
- 2018 Hong Kong, China
- 2017 Rome, Italy
- 2016 Bangkok, Thailand
- 2015 Rome, Italy
- 2014 Negombo, Sri Lanka
- 2013 Geneva, Switzerland
- 2012 Montréal, Canada
- 2011 Geneva, Switzerland
- 2009 Geneva, Switzerland
- 2008 Geneva, Switzerland
- 2006 Geneva, Switzerland

Program Committee of the 2024
CAP Implementation Workshop:

Chair	Eliot Christian
TISA	Stephanie Chaufton
USAID	Sezin Tokar
IAEM	Beth Armstrong
OASIS	Elysa Jones

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