

2026 Common Alerting Protocol (CAP) Implementation Workshop and Training 6-8 October in Birmingham, England

The [U.K. Environment Agency](#), the [OASIS Open](#) standards organization, and [Alert-Hub.Org CIC](#) are hosting the 2026 Common Alerting Protocol (CAP) Implementation Workshop. The [International Association of Emergency Managers \(IAEM\)](#) is a sponsor. Documents pertaining to the Workshop and Training are posted to the Workshop [website](#).



The 2026 CAP Implementation Workshop will be 7-8 October, 9-5:30 BST, at [The Priory Rooms](#) in Birmingham, England. The Workshop follows [CAP Training](#) on 6 October, 9-5:30 BST, at the same venue.

Anyone interested in emergency alerting is welcome: managers, technical staff, media, etc., including government, civil society, and commercial firms. There is no charge to participate. Those not able to participate in person can join the Webinars (call-in instructions will be sent to everyone registered). Click [here](#) to register.

CAP Implementation Workshops focus on emergency alerting enabled by [OASIS 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. So far, 833 persons are registered as participants. They come from 137 countries/territories and many international organizations, commercial companies, academic institutions, and non-governmental organizations.

There is broad consensus today that public emergency alerts should be represented in CAP format, regardless of dissemination technology. CAP provides the common authoritative representation of an alert from which multiple dissemination channels can be derived.

These include Internet services, mobile networks, push notifications, radio or television broadcast interruptions, social media, streaming interruptions, and technologies not yet invented.

The CAP-enabled public alerting infrastructure worldwide is a federation of national alerting, with dissemination of those official CAP alerts routinely supported by many independent republishers. This approach is exemplified by the CAP republishers listed [here](#) by [Alert-Hub.Org CIC](#). Some of these are UN-led, but most are commercial and other organizations.

CAP uptake is nearly worldwide: 97% of the world's population now lives in a country with at least one national CAP feed operational (90%) or in development (7%). [CAP implementation by country](#) is seen in [this zoomable map](#) or in the map below.

CAP is a key component of the international Early Warnings for All (EW4All) initiative. EW4ALL produced a 90-second introductory CAP video, available [here](#).

Although CAP is designed for public alerting across all available media, serious gaps remain. Users of online streaming do not get an emergency "crawl text" on video being watched nor an emergency tone and message on audio being heard, as they do when using traditional "over the air" radio and television. Mobile alerting does not always include an associated CAP alert, and the same is true of push notifications. And, Social Media emergency warnings rarely reference an underlying CAP alert (as required in Europe by CEN). In this vein, UNDRR published [this 'white paper'](#) about the rise of Voluntary Public Alerting, in September 2026.

There is active discussion concerning the use of Artificial Intelligence (AI) in the context of CAP-enabled emergency alerting. One principle is that human oversight and explainability are essential for AI-assisted Guidance. This is especially true in life-critical applications, where an AI-assisted Guidance product informs official decisions and thus becomes part of the evidentiary record. Guidelines in this regard are likely to be part of a new section in the [Common Policies and Practices](#) compiled by Alert-Hub.Org CIC.



There will be 23 presentations in the Workshop [Programme](#), on a broad range of topics.

In the vein of television and radio, a developer at Swedish Radio will present CAP as used for their "Important Public Announcements". Presenters from Meteo24 Channel in Georgia will discuss "Continuous 24/7 Broadcast Television as a CAP Delivery Surface".

The founder of "International Deaf Emergency" will present the "Three Senses Alerting Standard" that is intended to help warnings reach Blind, Deaf, and DeafBlind people. Presenters from The Norwegian Meteorological Institute will discuss the challenges of communicating clearly but correctly, especially in the context of multi-hazard warnings. Google will present on "Enhancing Crisis Search with Google's AI Mode".

Some presentations focus on particular technologies. How "The Galileo EWSS Opportunity" extends CAP beyond terrestrial networks will be one topic. Traveller Information Services Association (TISA) will present on CAP in the context of Building Trust in In-Vehicle Safety Services. There will be also a presentation on "EvacSafety", an AI-powered geospatial tool. Also, the OASIS EM TC has been working for some years on advice for harmonizing how CAP is used with Cell Broadcast systems. This year the presentation is called "Specifying a CAP Definition for Cell Broadcast".

WMO will present and demonstrate its free "CAP Composer and CAP Aggregator". The Programme Manager of MeteoAlarm will demo that system and shed light on how the alerts reach people in harm's way.

Some presentations focus on a particular hazard type. A volcano expert at U.S. Geological Survey will present on "Public Warning of Volcano Hazards and CAP". Participants will hear about Tehran as a case study of flood warning systems in metropolitan cities. The use of CAP in the case of "Sand and Dust Storms" in Yemen will be presented. The Director of the All India Disaster Mitigation Institute will present: "Leveraging CAP in a Telecaller that Disseminates Heat Warnings".

Particular national CAP systems will be presented. A presenter from Mecom will discuss Germany's Modular Warning System for civil protection and disaster warnings with a focus on leveraging many dissemination channels. Presenters from Italian Fire Corps will present its interoperability system. A presenter from Indonesia Meteorology, Climatology, and Geophysical Agency will discuss their CAP Implementation. There will be presentations as well on "CAP Implementation in Australia", the "Weather Ready Pacific Programme on CAP", and "Operationalizing CAP in Nepal".

As in past CAP Workshops, Google Public Alerts will discuss their perspective on policies and practices that are important to the particular ways they leverage CAP. This presentation is titled: "Google Public Alerts 101". Google requirements for CAP Alerts and Feeds are also in the [Common Policies and Practices](#) document.

The chair of the OASIS EM TC will provide updates on their work. Also, a meeting of the CAP Subcommittee will occur after conclusion of sessions on October 8.

The CAP Training Day on October 6 will cover the basics of CAP, provide hands-on instruction for the CAP Editor freeware, and survey how "last mile media" leverages CAP to help reach everyone in harm's way.

Russell Isaac, a journalist, will host a panel discussion on "A Communications/Media Perspective on CAP". Eliot Christian will present [his white paper](#) on Voluntary Public Alerting and explain "AI-Assisted CAP guidance based on Google Flood Hub". Ian Ibbotson will demonstrate his tool for Analyzing the Alert-Hub Archive. He will also address "Dealing with Removal of XSLT from Web Browsers". Tom Wood and Norm Paulsen will speak on "CAP-to-Cell Broadcast Integration: Challenges and Solutions".

CAP Training on 6 October is open to participants in the CAP Workshop. All registered participants will also get Webinar call-in instructions for the Training.

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 18 prior CAP Implementation Workshops are available at these links:

- [2025 Rome, Italy](#)
- [2024 Leuven, Belgium](#)
- [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 2026
CAP Implementation Workshop:

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