To:      Subscribers:
- NOAA Weather Wire Service
- Emergency Managers Weather Information Network
- NOAAPORT
Other NWS and NOS partners and NWS and NOS employees

From:     Ben Kyger
Director, NCEP Central Operations

Subject:  Updated: Implementation of IDP CAP Handler application
and modification of CAP version 1.2 output
Effective February 24, 2021

Updated to reflect the effective date change from Feb 17 to Feb
24, 2021.

Effective February 24, 2021 beginning at 18Z Coordinated
Universal Time (UTC), the Common Access Protocol (CAP) Handler
will replace the Hazards Collection (HazCollect) Legacy and
HazCollect Extended applications with a single system. This
system will be maintained by NCEP Central Operations (NCO)
within the Integrated Dissemination Program (IDP). In the event
of a Critical Weather Day (CWD) declaration we will proceed with
the upgrade after CWD is over.

As the replacement for HazCollect Legacy, CAP Handler will
facilitate future operational improvements that are expected to
increase use of NWR and other NWS systems for dissemination of
Non-Weather Emergency Messages (NWEMs).

During this replacement the National Weather Service will be
making a change to the <identifier> element on CAP messages
generated for watch, warning, and advisory products.

Current format:
NWS-IDP-PROD-nnnnnnn-nnnnnnn
where the 'n' represents a digit

New format:
urn:oid:2.49.0.1.840.<hash>.nnn.n
where the hash represents a unique 40 character hexadecimal hash string, and the 'n' represents a digit.

Example:
urn:oid:2.49.0.1.840.0.000845e7eeb1b170d4907a5cb970cb7a7e4ee32a.001.1

The change to the identifier will be visible to consumers of National Weather Service CAP messages.

Users of the National Weather Service API will also see the new identifier when accessing the Alerts API (https://api.weather.gov/alerts), in the 'id' element.

Users of the National Weather Service CAP FTP Website https://tgftp.nws.noaa.gov/SL.us008001/DF.xml/DC.cap/ will see this change in both the CAP <identifier> element, as well as in the file naming structure. The portion of the current filename representing the NWS-IDP-PROD-nnnnnnn-nnnnnnn format will change to urn:oid:2.49.0.1.840.<hash>.nnn.n

As part of NCEP’s standard 30 day parallel testing, the new output products will be available here:
ftp://tgftp.nws.noaa.gov/SL.us008001/DF.xml/DC.cap/cap.test/
https://tgftp.nws.noaa.gov/SL.us008001/DF.xml/DC.cap/cap.test/

Please direct questions, comments or requests regarding this implementation to the contacts below. We will review any feedback and decide whether to proceed.

For questions regarding the operating aspects, please contact:
Josh Huber
NCEP/NCO
College Park, MD
idp-support@noaa.gov

For questions regarding the development or functional aspects, please contact:
Matt Davis
Project Manager for CAP Handler
Boulder, CO
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NWS National Service Change Notices are online at:
https://www.weather.gov/notification/

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