NWS Product Changes and Decision Support Services

Phil Hysell - Blacksburg, VA
Chris Strong - Baltimore/Washington
Eric Seymour - Wakefield, VA

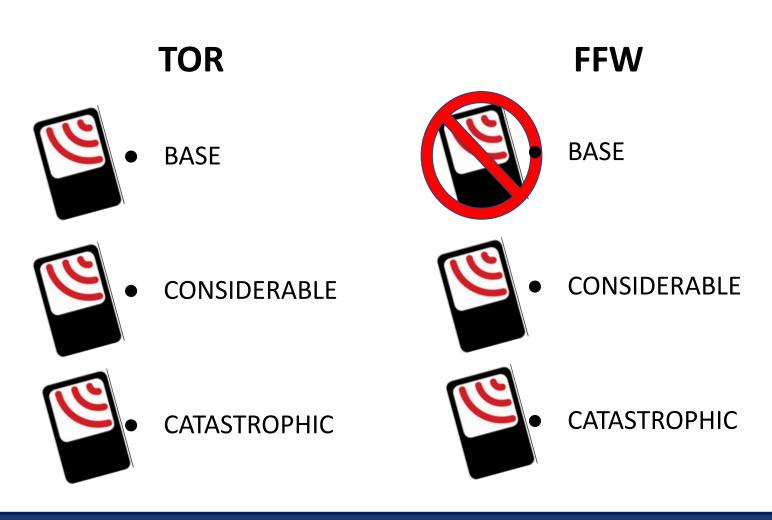
NWS Impact Based Warnings Review and Changes

Phil Hysell - Blacksburg, VA

Current Impact-Based Warnings

Impact-Based Tornado (TOR) and Flash Flood (FFW) Warnings

Note: Regardless of tags (discussed in later slides), ALL warnings will always tone-alert on NOAA Weather Radio



Impact-Based Tornado (TOR) Warning Review

MOST of our TORs are BASE (no damage threat tag) warnings

Every TOR will send a Wireless Emergency Alert (WEA).

... TORNADO EMERGENCY FOR WASHTA... THE NATIONAL WEATHER SERVICE IN SIOUX FALLS HAS ISSUED A * TORNADO WARNING FOR... CHEROKEE COUNTY IN NORTHWEST IOWA... * UNTIL 800 PM CDT * AT 720 PM CDT...A LARGE AND EXTREMELY DANGEROUS TORNADO WAS LOCATED NEAR WASHTA...AND MOVING NORTHEAST AT 30 MPH. THIS IS A TORNADO EMERGENCY FOR WASHTA. TAKE COVER NOW. THIS IS A PARTICULARLY DANGEROUS SITUATION. THIS IS A PARTICULARLY DANGEROUS SITUATION. HAZARD...DAMAGING TORNADO. SOURCE...EMERGENCY MANAGEMENT CONFIRMED TORNADO IMPACT...YOU ARE IN A LIFE THREATENING SITUATION. FLYING DEBRIS MAY BE DEADLY TO THOSE CAUGHT WITHOUT SHELTER. MOBILE HOMES WILL BE DESTROYED. CONSIDERABLE DAMAGE TO HOMES...BUSINESSES AND VEHICLES IS LIKELY AND COMPLETE DESTRUCTION IS POSSIBLE. * THE TORNADO WILL BE NEAR... QUIMBY AROUND 730 PM CDT. CHEROKEE AROUND 745 PM CDT. AURELIA AROUND 750 PM CDT. PRECAUTIONARY/PREPAREDNESS ACTIONS... HEAVY RAINFALL MAY HIDE THIS TORNADO. DO NOT WAIT TO SEE OR HEAR THE TORNADO. TAKE COVER NOW. LAT...LON 4259 9585 4291 9565 4291 9550 4283 9538 4269 9539 4256 9569 4256 9577 TIME...MOT...LOC 0023Z 225DEG 27KT 4260 9567 TORNADO...OBSERVED TORNADO DAMAGE THREAT...CATASTROPHIC HAIL...1. 50IN

Tornado Tag			
TORNADORADAR INDICATED	Evidence on radar and near storm environment is supportive of a tornado. A tornado may be developing or ongoing, but no confirmation has been received.		
TORNADOOBSERVED	Tornado is confirmed by spotters, law enforcement, etc.		
Tornado Damage Threat Tag			

TORNADO DAMAGE THREAT...CONSIDERABLE TORNADO DAMAGE TORNADO DAMAGE THREAT...CATASTROPHIC TORNADO DAMAGE TORNADO D

Tornado Tag In Severe Thunderstorm Warnings

TORNADO...POSSIBLE

A severe thunderstorm has some potential for producing a tornado although forecaster confidence is not high enough to issue a Tornado Warning.

Impact-Based Flash Flood Warning (FFW) Review

How Will This Impact You?

Previously, Wireless Emergency Alerts (WEA) were activated for all Flash Flood Warnings. WEA is an alerting network in the United States designed to disseminate emergency alerts/messages to mobile devices such as cell phones to inform you of imminent threats for extreme weather and other emergencies. Now, WEA will be activated only if a Flash Flood Warning contains a 'considerable' or 'catastrophic' damage tag.

Previously



All Flash Flood Warnings



Flash Flood Warning

Now



Flash Flood Warning 'CONSIDERABLE'

Damage Threat



Flash Flood Warning 'Catastrophic'

Damage Threat

HIGH

Bottom Line: A "BASE" FFW will not WEA!

BASE (no tag)

Minor,

Common

CONSIDERABLE

Moderate, Unusual

CATASTROPHIC

Major/Record, Emergency

- Isolated property impacts
- Some emergency response
- Common stream flooding
- Some **structural** impacts
- **Extensive** emer. response
- Significant stream flooding
- Widespread prop. impacts
- **Overwhelming** response
- Very rare stream flooding

Flash Flood Warnings: Considerable vs Catastrophic

Considerable



Catastrophic



"Are cars being carried away by flood waters or are they stranded in the water?"

"Are motorists able to walk away from flooded cars with assistance?"

Flash Flood Warnings: Considerable vs Catastrophic









"Is water flowing rapidly around buildings or does it appear to be more like standing water?" "Are buildings pushed off their foundations and/or destroyed, or are homes just flooded?" "How high is the water reaching into worse-impacted buildings?"

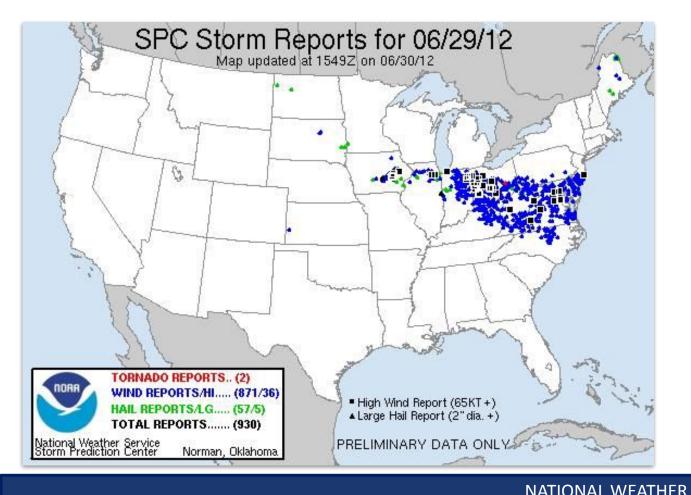
On or About July 15:

Impact-Based Severe Thunderstorm Warnings (SVR)

	Most of our warnings			
Thunderstorm Damage Threat (tag category)	Wind	nd Hail (diameter)		diameter)
Base (no tag; default)	58 mph (60 mph will appear in the warning)		1.00 inch (U.S. quarter)	
Considerable	70 mph		1.75 inc	ch (golf ball)
Destructive	80 mph		2.75 inc	h (baseball)
	ði:	80		

BIG CHANGE!!

- Large hail 2.75" or greater is very rare
- It's most likely the "DESTRUCTIVE" tag would be used for severe winds



- * Severe Thunderstorm Warning for...

 Southwestern Jackson County in southwestern Oklahoma...

 Southwestern Tillman County in southwestern Oklahoma...

 East central Foard County in northern Texas...

 Wilbarger County in northern Texas...

 Southeastern Hardeman County in northern Texas...
- * Until 730 PM CDT.
- * At 648 PM CDT, a severe thunderstorm was located 5 miles east of Quanah, moving southeast at 25 mph.

THIS IS A DESTRUCTIVE STORM FOR VERNON AND QUANAH

HAZARD...Three inch hail and 70 mph wind gusts.

SOURCE...Radar indicated.

IMPACT...People and animals outdoors will be severely injured.

Expect shattered windows, extensive damage to roofs, siding, and vehicles.

* Locations impacted include...

Vernon, Quanah, Chillicothe, Eldorado, Davidson, Thalia, Lockett,
Medicine Mound, Fargo, Odell, Oklaunion, Grayback and Rayland.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

For your protection move to an interior room on the lowest floor of a building.

This is a dangerous storm. Prepare immediately for large destructive hail capable of producing significant damage. People outside should move to shelter inside a strong building, and stay away from windows.

8.8

LAT...LON 3450 9962 3431 9907 3402 9907 3383 9939 3417 9976 3432 9977 TIME...MOT...LOC 2348Z 310DEG 23KT 3431 9966

THUNDERSTORM DAMAGE THREAT...DESTRUCTIVE
HAIL THREAT...RADAR INDICATED
MAX HAIL SIZE...3.00 IN
WIND THREAT...RADAR INDICATED
MAX WIND GUST...70 MPH

NATIONAL WEATHER SERVICE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

...Strong thunderstorms will impact portions of Jefferson, Franklin, Jackson and Perry counties until 415 PM CDT...

At 322 PM CDT, Doppler radar was tracking a line of strong thunderstorms extending from 6 miles north of Sesser to 5 miles west of Elkville, moving east at 30 mph.

HAZARD...50 mph wind gusts and pea size hail.

SOURCE... Radar indicated.

IMPACT...Gusty winds could knock down tree limbs and blow around unsecured objects.

Locations impacted include...
West Frankfort, Benton, Rend Lake Area, Sesser, Zeigler, Royalton,
Elkville, Valier, West City, Thompsonville, Waltonville, Dowell,
Orient and Hanaford.

Frequent cloud to ground lightning is occurring with this storm. lightning can strike 15 miles away from a thunderstorm. Seek a safe shelter inside a building or vehicle.

This storm may intensify, monitor local radio and tv stations, as well as local cable tv outlets, for additional information and possible warnings from the National Weather Service.

A tornado watch remains in effect until 800 PM CDT for southern Illinois.

2.2

LAT...LON 3821 8913 3820 8871 3788 8872 3788 8915 3791 8954 3803 8921 TIME...MOT...LOC 2022Z 281DEG 27KT 3818 8905 3802 8911 3793 8936 Also starting around July 15, 2021
 Special Weather Statements for sub-severe weather events will have tags for hail and wind

 SPS with tags may also be issued for waterspouts (inland lakes) and landspouts

MAX HAIL SIZE...0.25 IN MAX WIND GUST...50 MPH

Impact-Based Warnings - WEA (Initial Issuance)

TOR FFW SVR



BASE





CATASTROPHIC



BASE



CONSIDERABLE



CATASTROPHIC



BASE



CONSIDERABLE



DESTRUCTIVE

Impact-Based Follow-Up Statements - WEA (First Follow-Up)

TOR FFW SVR



BASE



BASE



BASE



CONSIDERABLE



CONSIDERABLE



CONSIDERABLE



CATASTROPHIC

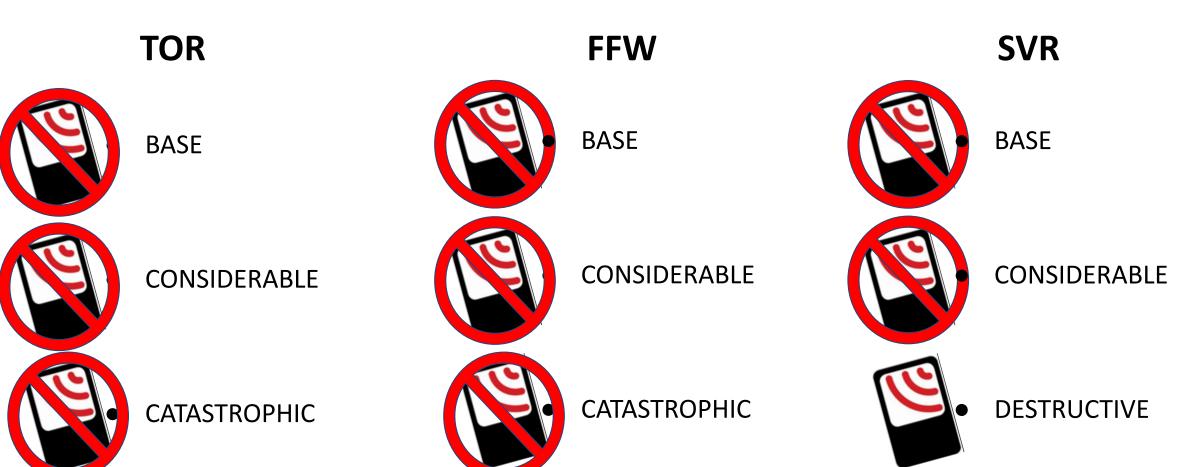


CATASTROPHIC



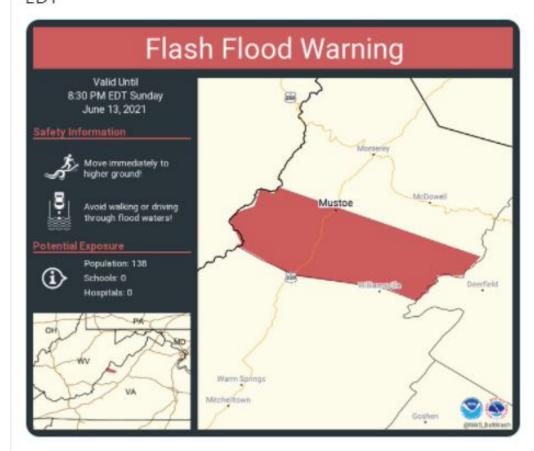
DESTRUCTIVE

Impact-Based Follow-Up Statements - WEA (Successive Follow-Ups)





Flash Flood Warning including Mustoe VA until 8:30 PM EDT



5:26 PM · Jun 13, 2021 · Svr Wx Impact Graphics - LWX

Auto-Tweeting

BASE

TOR

FFW • CONSIDERABLE

SVR

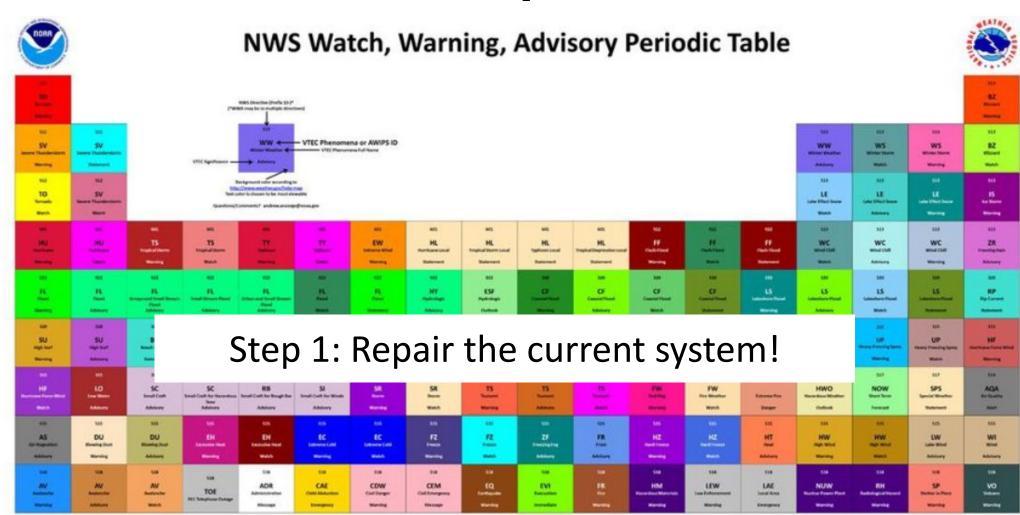
CATASTROPHIC

Impact Based Warnings (IBW) Questions? Comments?

- Any questions on Impact Based Warnings?
- Any questions on when these warnings and follow-up statements trigger WEA?

Thank you!

Hazard "Simplification"



Hazard "Simplification"

Revamp the system. (Explore an entirely new system)

Let's face it: The public doesn't understand Advisories.

- Are Advisories the step between a Watch and a Warning?
- Are Advisories a downgrade from a Watch?
- Are Advisories issued before a Watch? (Like an Outlook?)
 (Hint: The answer to all three of these is no.)

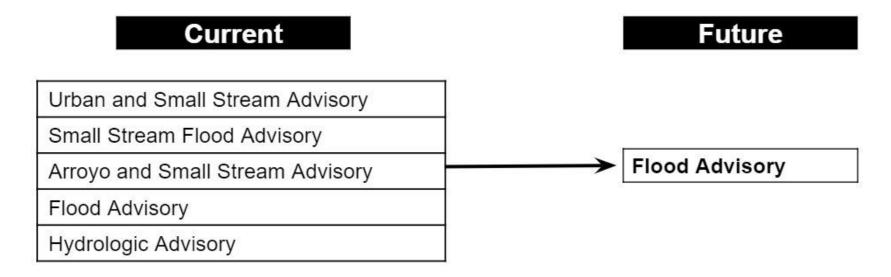
We also have Special Weather Statements.

Are these "better" than Advisories?

Hazard "Simplification": Next Steps

Flood Advisory and Extreme Temperature Consolidation will be in the "coming months":

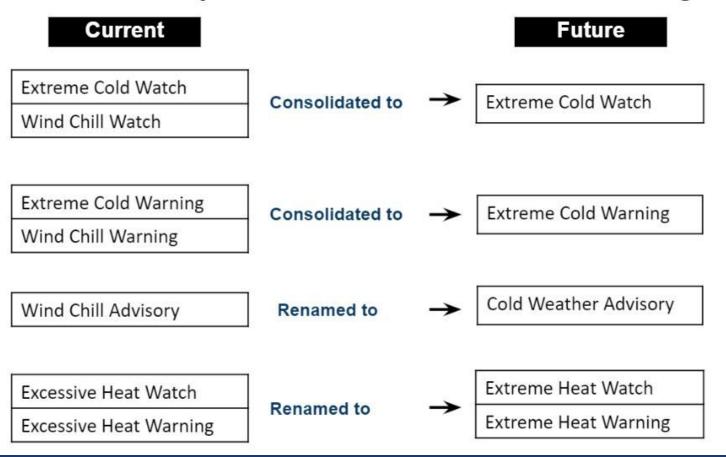
Flood Advisory consolidation



Hazard "Simplification": Next Steps

Flood Advisory and Extreme Temperature Consolidation will be in the "coming months":

Extreme Temperature Consolidation and Renaming

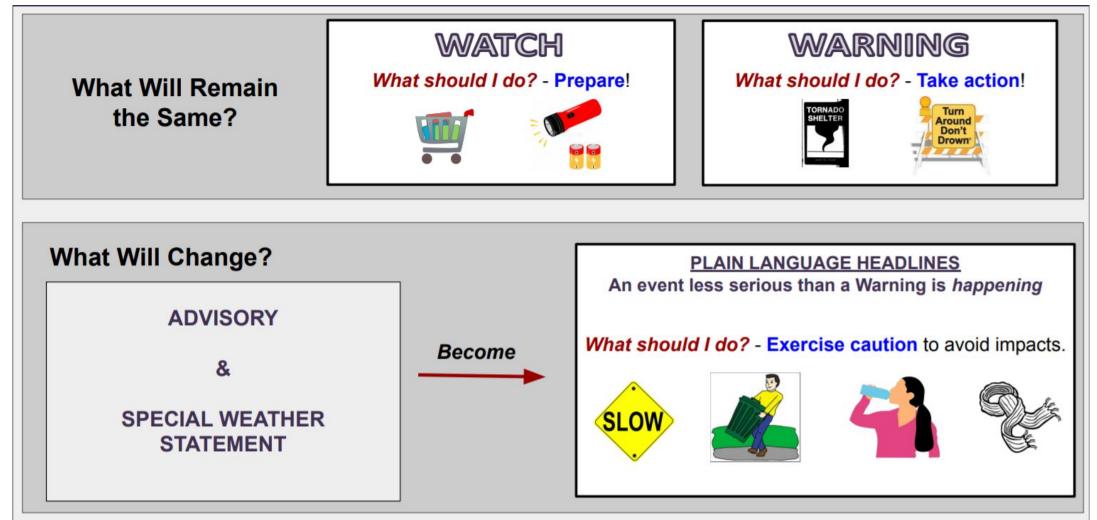


Hazard "Simplification": Planned Major Change

This decision has been made and is now final:

- All Watches and Warnings remain the same. People understand this system.
- Advisories will be replaced with plain language headlines.
- All <u>Special Weather Statements</u> will be converted to plain language headlines.
- These changes will not be made prior to 2024.

Hazard "Simplification": Planned Major Change



List of Advisories to be Discontinued

Winter Weather Advisory	Lake Wind Advisory	Air Stagnation Advisory*	High Surf Advisory
Wind Chill Advisory	Frost Advisory	El Nino/La Nina Advisory	Small Craft Advisory - transition to "Warning"
Dense Fog Advisory	Blowing Dust Advisory	Tsunami Advisory - transition to "Warning"	Lakeshore Flood Advisory
Dense Smoke Advisory	Dust Advisory	Freezing Spray Advisory	Coastal Flood Advisory
Wind Advisory	Ashfall Advisory	Low Water Advisory	Flood Advisory (Areal)
Heat Advisory	Freezing Fog Advisory	Brisk Wind Advisory	Flood Advisory (River)

*Issued in collaboration with EPA

Current

WSWLWX

URGENT - WINTER WEATHER MESSAGE

National Weather Service Baltimore MD/Washington DC 207 PM EST Wed Jan 3 2018

MDZ011-013-014-016-507-508-VAZ057-040500/O.EXA.KLWX.WW.Y.0001.180104T0300Z-180104T1600Z/
Southern Baltimore-Prince Georges-Anne Arundel-CharlesNorthwest Harford-Southeast Harford-King George207 PM EST Wed Jan 3 2018

...WINTER WEATHER ADVISORY IN EFFECT FROM 10 PM THIS EVENING TO 11 AM EST THURSDAY...

- * WHAT...Total snow accumulations of 2 to 4 inches are expected.
- * WHERE...Portions of central, northern and southern Maryland and central Virginia.
- * WHEN...From 10 PM this evening to 11 AM EST Thursday.
- * IMPACTS...Snow will quickly stick on roads and sidewalks, making the morning commute dangerous. Visibility will be reduced to under 1 mile at times in snow. Bitterly cold conditions will follow through the weekend causing snow to remain on untreated surfaces.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Be prepared for snow covered roads and limited visibilities, and use caution while driving. The latest road conditions for the state you are calling from can be obtained by calling 5 1 1.

Proposed

WSWLWX

Winter Weather Statement

National Weather Service Baltimore MD/Washington DC 207 PM EST Wed Jan 3 2018

MDZ011-013-014-016-507-508-VAZ057-040500/O.EXA.KLWX.WW.S.0001.180104T0300Z-180104T1600Z/
Southern Baltimore-Prince Georges-Anne Arundel-CharlesNorthwest Harford-Southeast Harford-King George207 PM EST Wed Jan 3 2018

- ...2 TO 4 inches of snow expected this evening into tomorrow morning...
- * WHAT...Total snow accumulations of 2 to 4 inches are expected.
- * WHERE...Portions of central, northern and southern Maryland and central Virginia.
- * WHEN...From 10 PM this evening to 11 AM EST Thursday.
- * IMPACTS...Snow will quickly stick on roads and sidewalks, making the morning commute dangerous. Visibility will be reduced to under 1 mile at times in snow. Bitterly cold conditions will follow through the weekend causing snow to remain on untreated surfaces.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

Be prepared for snow covered roads and limited visibilities, and use caution while driving. The latest road conditions for the state you are calling from can be obtained by calling 5 1 1.

Questions? Comments?

- Learn more about Hazard Simplification/HazSimp at https://www.weather.gov/hazardsimplification/
- Send HazSimp questions or comments to hazsimp@noaa.gov

Thank you!

Weather Decision Support Services for Special Events

Eric Seymour - Wakefield, VA

What is DSS?

- Purpose "Provide decision makers with critical environmental data and forecasts to allow them to better protect life and property."
- Information could include:
 - Weather
 - Water
 - Climate
 - Watches/Warnings
 - Critical Thresholds

DSS for Weather Events

- Emailed briefings directly to partners
- Conference Calls
 - Usually by VDEM Regions
 - VDEM State level calls
 - Hospital Systems
- Social Media post
- Briefing Pages
 - Wakefield
 - Blacksburg
 - Baltimore/Washington



DSS for Special Events

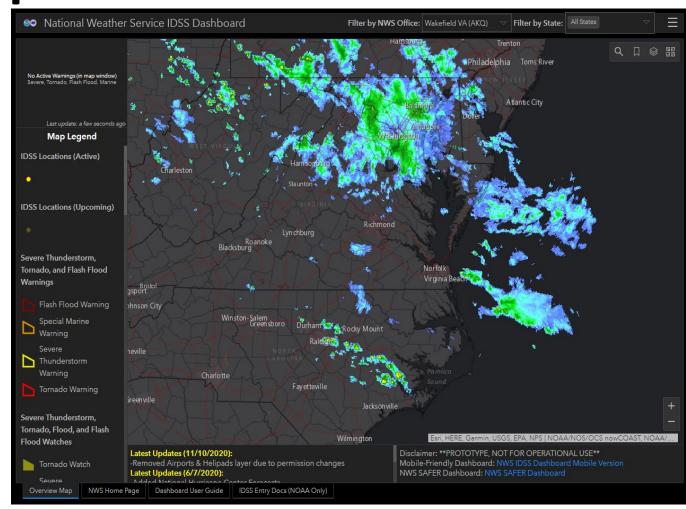
- Locality initiated request made from local or state government partner.
- Event Examples
 - County/State Fairs
 - Festivals
 - Sporting Events
 - Political Debates



DSS for Special Events

The NWS can provide:

- Specialized Briefing pages
- Inclusion of your event in weather warnings and statements
- Text and emails through INWS
- Direct coordination with NWS Meteorologist
- Onsite support if needed
- Point and click and hourly forecast graphics specific to the event location
- Inclusion on the IDSS Dashboard
- Lightning alerts



DSS for Special Events

• How do I register?

- Reach out to your local NWS office
- Wakefield: https://www.weather.gov/akg/specialevents
- Blacksburg: https://www.weather.gov/rnk/emer
- Baltimore/Washington:
- Charleston, WV: https://www.weather.gov/rlx/decision-support
- Morristown, TN: Registration Form

Decision Support Services Review

Eric Seymour - Wakefield, VA Chris Strong - Baltimore/Washington

Hurricane Isaias

Rainfall totals:

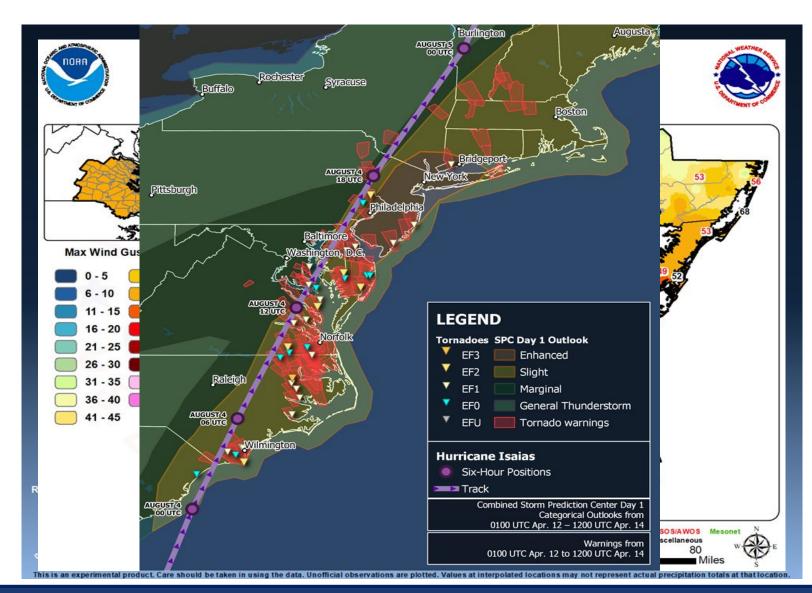
2" - 6" Inland

Wind Gust

25 - 40 mph inland.

40 – 70 mph coastal areas.

Tornadoes 15 in the Wakefield CWA. 7 in Virginia.

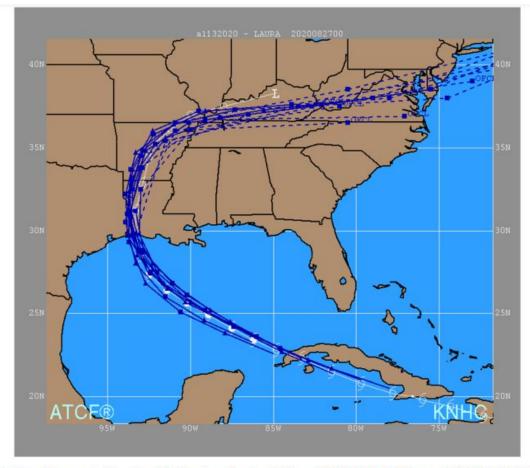


Hurricane Isaias Briefings

- What content was included:
 - Headlines Watches/Warnings and Advisories
 - Storm Position/Track and Intensity Update
 - Wind Threats Max speed and arrival timing
 - Rainfall Amounts and Flood Threat locations including River Flooding
 - Storm Surge and Coastal Flood threats
 - Tornado Risk and threat areas
- What other information is needed?

Hurricane Laura

Category 4 landfall: Cameron LA 18' storm surge 47 direct fatalities (U.S. & Hispaniola) \$19B in U.S. Damage



Official track forecasts (blue lines) for Hurricane Laura, 24 August 0600 UTC to 27 August 0000 UTC 2020. The best track is shown by the white curve with the tropical cyclone symbols.

Hurricane Laura

Power of the storm surge





Figure 12. Near Cameron, Louisiana before (top) and after (bottom) Hurricane Laura. Images courtesy of NOAA National Ocean Service.

Hurricane Laura

Wind Damage in LA

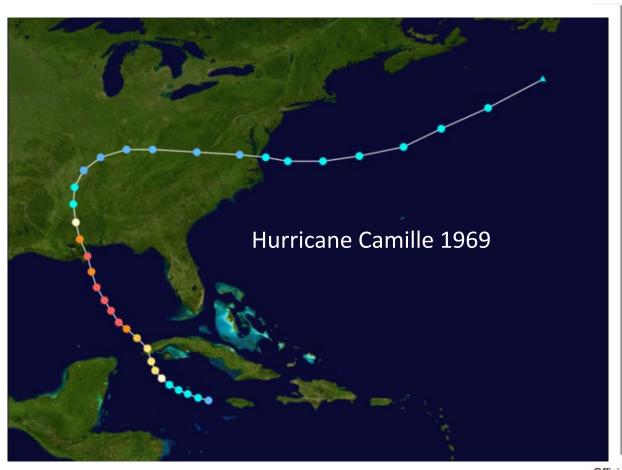


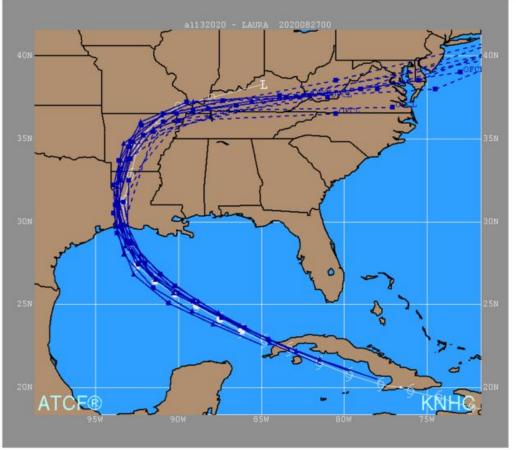




re 14. Windows blown out of the Capital One Tower in downtown Lake Charles after Hurricane Laura. Joe Raedle/Getty Images.

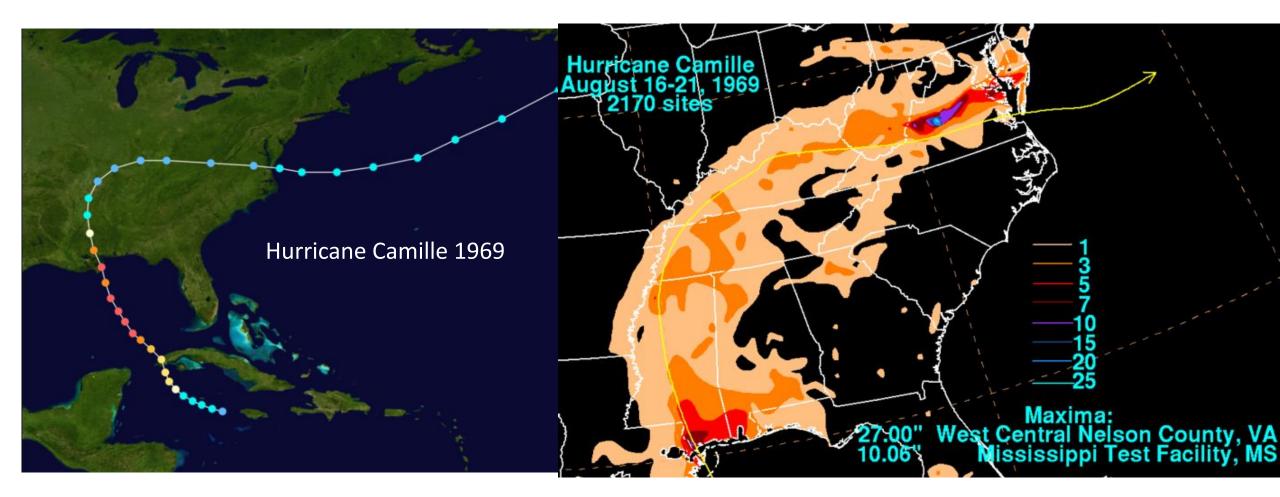
Hurricane Laura





Official track forecasts (blue lines) for Hurricane Laura, 24 August 0600 UTC to 27 August 0000 UTC 2020. The best track is shown by the white curve with the tropical cyclone symbols.

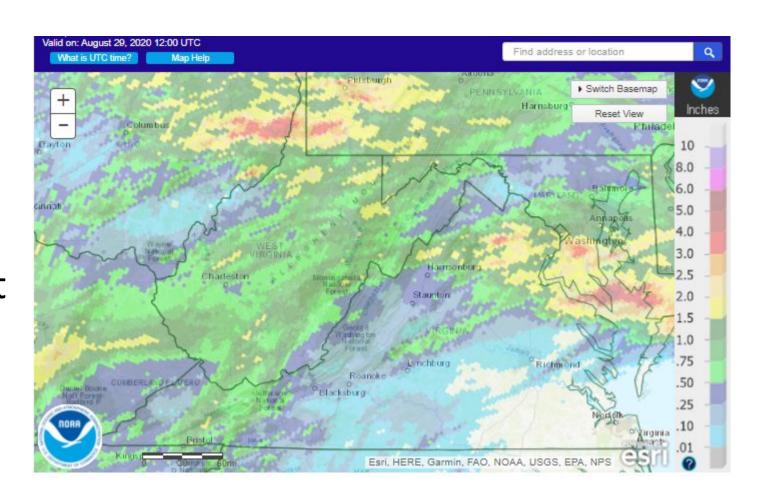
Hurricane Laura



Hurricane Laura

Analogs can be beneficial at times...but,

Tropical systems, even similar ones, tend to impact localities differently.



Thunderstorm Briefings

- What content is normally included:
 - Severe Weather Outlooks Day 1, 2 or 3
 - Type of weather Winds, Hail and/or Tornadoes
 - Timing of event
 - Rainfall amounts Potential for flooding
 - Like full briefing or shorter one page version?
- What other information is needed?

Winter Weather

- What content is normally included:
 - Type of weather Snow, Sleet and/or Freezing Rain
 - Precipitation amounts both snow and ice
 - Timing of event and when change over may occur
 - Max Wind Speeds and wind chill information
 - Coastal Flooding Hydrographs
- What other information is needed?

Winter Weather

- Conference Calls
 - VEST State
 - NWS Wakefield leads, collaborated with other NWS offices
 - Regional calls
 - Including 2/3/7 combo
 - Led by NWS Balt/Wash, collaborated with Blacksburg/Wakefield
 - Localities when needed

Heavy rain and flooding

- What content is normally included:
 - Rainfall amounts
 - Flood watch and warning areas
 - River flood forecast Hydrographs
 - Coastal Flooding and Wind Forecast if needed
- What other information is needed?

When do we issue these briefings?

- Winter Weather:
 - Issuance of watches and warnings
 - Multifaceted event Multiple weather threats
 - Dangerous Cold behind the winter weather
 - Event with significant impacts based upon timing of event for an event that does not have a watch or warning.
- Tropical events
 - When TC will result in watches or warnings with in the next 4 days.

When do we issue these briefings?

- Extratropical Coastal Storms:
 - Issuance of High wind watches and warnings
 - Widespread Moderate to Major Coastal flooding
- Convective:
 - Enhanced/Moderate/High Risk events as determined in SPC Outlook. Could do for slight risk events on case by case basis
- Widespread rain
 - Issuance of a Flood Watch
- Heat Waves
 - Excessive heat warnings or multi-day heat advisories

Non-Weather Emergency Messages (NWEM's)

ADR Administrative Message

AVA Avalanche Watch

AVW Avalanche Warning

BLU Blue Alert

CAE Child Abduction Emergency

CDW Civil Danger Warning

CEM Civil Emergency Message

EQW Earthquake Warning

EVI Evacuation Immediate

FRW Fire Warning

HMW Hazardous Materials Warning

LAE Local Area Emergency

LEW Law Enforcement Warning

NUW Nuclear Power Plant Warning

RHW Radiological Hazard Warning

SPW Shelter In Place Warning

TOE Telephone Outage Emergency

VOW Volcano Warning

DMO Practice/Demo Warning

<u>NOTE</u>: Some state/local EAS plans do not authorize all NWEM types and may have special rules on CAE and other alert types. Reach out to <u>your Amber Alert contact</u> for more information.

See event code descriptions at

https://www.fema.gov/sites/default/files/documents/fema_event-code s-glossary_02-01-2021.pdf

FEMA Fact Sheet

Event Code Descriptions for Use with IPAWS

These Non-Weather Emergency Message (NWEM) event codes are available to state, local tribal and territorial Alerting Authorities for use with the Integrated Public Alert & Warning System (IPAWS). The weather-related event codes, not listed here, are reserved for the National Weather Service. Use of these event codes by Alerting Authorities depends on established IPAWS permissions. The codes may be used with EAS, WEA, and/or NWEM except where indicated.

ADR - Administrative Message

A non-emergency message that provides updated information about an event in progress, an event that has expired or concluded early, pre-event preparation or mitigation activities, post-event recovery operations, or other administrative matters pertaining to the Emergency Alert System. (EAS & NWEM only)

AVA - Avalanche Watch

Conditions are favorable or expected but not imminent or occurring. The purpose of an Avalanche Watch is to warn the public that Avalanche Warning criteria are likely to be met in 24-48 hours. (EAS & NWEM only)

AVW - Avalanche Warning

Conditions are imminent or occurring.

BLU - Blue Alert

A message issued by state and local authorities to warn the public when there is actionable information, related to a law enforcement officer who is missing, seriously injured or killed in the line of duty, or when there is an imminent, credible threat to an officer. A Blue Alert could quickly warn the public if a violent suspect may be in your community, along with providing instructions on what to do if the suspect is spotted and how to stay safe.

CAE - Child Abduction Emergency

An emergency message, based on established criteria, about a missing child believed to be abducted. A local or state law enforcement agency investigating the abduction will describe the missing child, provide a description of the suspect or vehicle, and ask the public to notify the requesting agency if they have any information on the whereabouts of the child or suspect.



February 2021 1



NWS Actions When Your Alert is Received from IPAWS

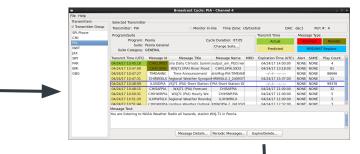
Receive Notification of Incoming Alert in NWS AWIPS



WFO staff review/adjust alert



Place alert message in NWR broadcast suite for alert duration





Configuration of Alert Origination Software

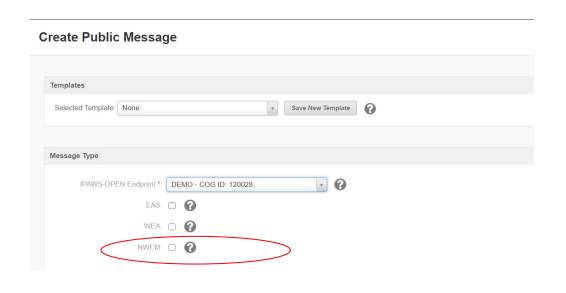
Ask your alert software vendor if they properly populate the CAP <senderName> with the Requesting_Agency as recommended in the latest IPAWS Design guidance.

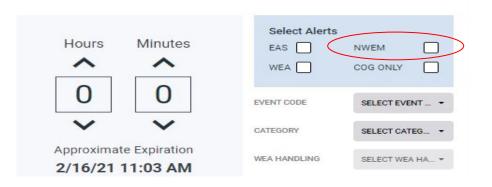
If not, this will cause confusion. Your agency name will not be properly cited in the alert message broadcast by NWR and transmitted over other NWS systems.

 NWS will try to catch/correct this on your behalf before NWR broadcast, but cannot correct it in the NWS text product automatically sent over other NWS systems.

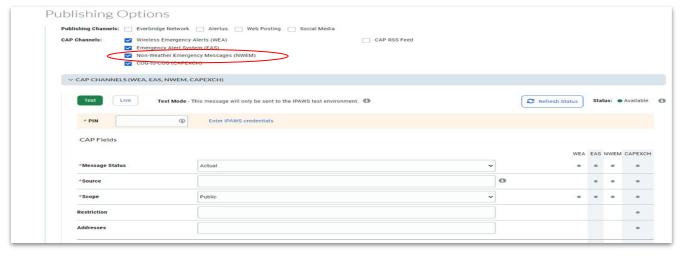
```
WOUS44 KMRX 032016
LEWMRX
TNC011-032116-
BULLETIN - EAS ACTIVATION REQUESTED
TN CLEVELAND/BRADLEY COUNTY EMERGENCY MANAGEMENT AGENCY
RELAYED BY NATIONAL WEATHER SERVICE MORRISTOWN TN
316 PM EST WED FEB 3 2021
...MISSING ENDANGERED CHILD...
THE FOLLOWING MESSAGE IS TRANSMITTED AT THE RECUEST OF TN.
NAME: HAWKINS... AMANDA
RACE: WHITE
HEIGHT:
5'00"
EYE COLOR: BROWN
WEIGHT: 130 LBS
HAIR COLOR: BROWN
DATE OF
BIRTH: 09/22/1992
SUSPECT VEHICLE DESCRIPTION: 2005 GOLD
CADILLAC STS DISPLAYING TN REGISTRATION CSY-948
CHILD
DESCRIPTION:
BELLA LENA HAWKINS
3 YEARS OLD
WHITE FEMALE
2FT
25
POUNDS
GREEN EYES
LIGHT BROWN HAIR
BE ON THE LOOKOUT FOR THE FOLLOWING INDIVIDUAL WHO IS A PERSON OF
INTEREST IN AN ONGOING CUSTODIAL INTERFERENCE INVESTIGATION. IF
YOU KNOW THE LOCATION OF OR HAVE INFORMATION REGARDING THE
INDIVIDUALS OF THIS MESSAGE CONTACT THE CLEVELAND POLICE
DEPARTMENT AT (423)728-7311 EXT. Ø FOR ADDITIONAL DETAILS SEE THE
CLEVELAND POLICE DEPARTMENT SOCIAL MEDIA PAGES.
HTTPS://WWW.FACEBOOK.COM/CLEVELANDPOLICETN/
$$
A6BEF99E-BECB-A34B-DF0A-B9F45F967C8B/BRADLEYCO
```

Must select NWEM (may instead say "HazCollect", "NWS", or similar) in order to achieve NWS (e.g. NWR) dissemination

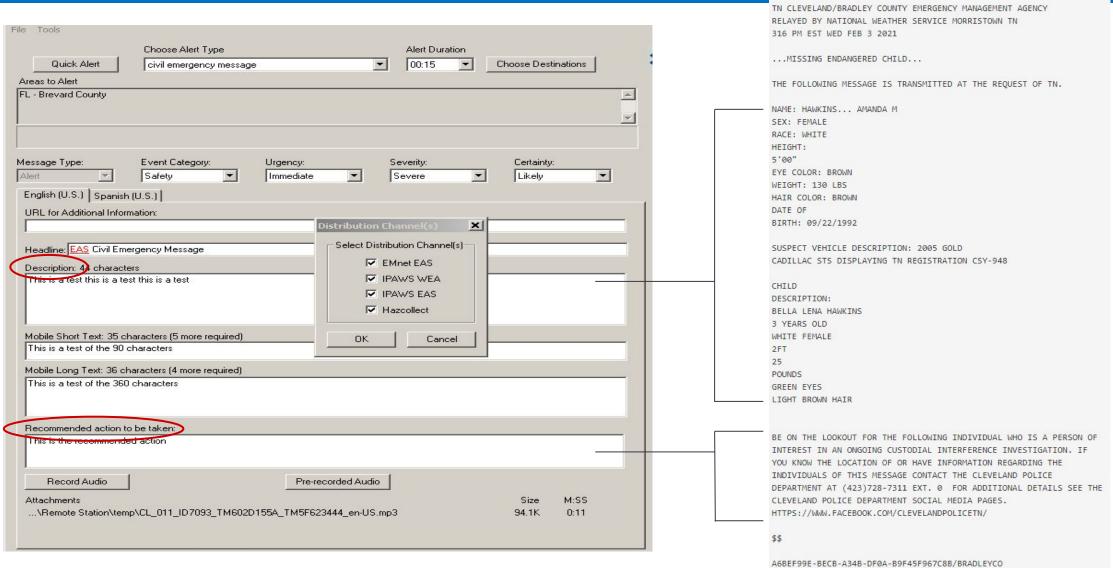








Enter a good Description and Instruction because they become the narrative broadcast by NWR and narrative in the NWS text product used by others.



WOUS44 KMRX 032016

LAW ENFORCEMENT WARNING

BULLETIN - EAS ACTIVATION REQUESTED

TNC011-032116-

Check punctuation and avoid use of special characters

Be careful if you paste content in your alert origination software. Check for unexpected characters. In this case, question marks were somehow entered into the alert Description or produced by the alert origination software and carried over into the NWS alert.

Place a space between each digit in phone numbers. Without the spaces, NWR's text to speech engine (and perhaps those of other systems) would have read these as long numbers (i.e. "two billion five hundred fourteen thousand..." and "nine hundred eleven").

WOUS44 KBMX 300942 CAEAL ALC000-300957-

BULLETIN - EAS ACTIVATION REQUESTED
CHILD ABDUCTION EMERGENCY
AL ALABAMA LAW ENFORCEMENT AGENCY
RELAYED BY NATIONAL WEATHER SERVICE BIRMINGHAM AL
342 AM CST SAT JAN 30 2021

...AMBER ALERT - PRITCHARD AL...

THE FOLLOWING MESSAGE IS TRANSMITTED AT THE REQUEST OF AL ALABAMA LAW ENFORCEMENT AGENCY.

THE STATE OF ALABAMA HAS ISSUED A CHILD ABDUCTION EMERGENCY AMBER ALERT. THE PRICHARD POLICE DEPARTMENT AND THE ALABAMA LAW ENFORCEMENT AGENCY ASK FOR YOUR ASSISTANCE IN LOCATING KAMEL KARTER ANTONE BLACK MALE 11 MONTHS OLD. KAMEL ANTONE WAS SEEN ON JANUARY 29 2021 AT APPROXIMATELY 11 P M WEARING A BLUE AND WHITE SLEEPER WITH A RED UNDER SHIRL IN THE AREA OF DIAL STREET IN PRICHARD AL AND IS BELIEVED TO BE IN EXTREME DANGER. THE CHILD WAS ABDUCTED BY JAKOBIE RASHID ANTONE. ANTONE WAS LAST SEEN WEARING AN ALL BLACK HOODIE BLACK JEANS AND BLACK SHOES. HE HAS A TATTOO ON THE NECK OF CHINESE WRITING INSIDE RIGHT BICEP TATTOO? LOYAL? AND INSIDE LEFT BICEP TATTOO? RESPECT?. THE SUBJECTS MAY BE TRAVELING IN A WHITE OR SILVER CHEVROLET MALIBU BEARING AN ALABAMA OR TEXAS LICENSE PLATE. IE YOU HAVE ANY INFORMATION REGARDING THIS MISSING CHILD PLEASE CONTACT THE PRICHARD POLICE DEPARTMENT AT 2 5 1 4 5 2 2 2 1 1 OR CALL 9 1 1.

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NWS NWEM Dissemination Only as Good as What You Send Us

Alert software vendor did not properly populate CAP <senderName> with <u>requestingAgency</u> as recommended in the latest IPAWS Design guidance

Incomplete Description makes this **alert unsuitable for NWS dissemination**. CAP message received by NWS suggests EM entered incomplete Description or a software issue.

<description>THIS IS A NORTH CAROLINA AMBER ALERT FOR A CHILD
ABDUCTION....THE...

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NCC000-261951
BULLETIN - EAS ACTIVATION REQUESTED
CHILD ABDUCTION EMERGENCY
NC NORTH CAROLINA DEPARTMENT OF PUBLIC SAFETY
RELAYED BY NATIONAL WEATHER SERVICE RALEIGH NC
1151 AM EST TUE JAN 20 2021
...EAS CHILD ABDUCTION EMERGENCY...

THE FOLLOWING MESSAGE IS TRANSMITTED AT THE REQUEST OF FL.

THIS IS A NORTH CAROLINA AMBER ALERT FOR A CHILD
ABDUCTION...THE...

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0-05:00

Thank you!

- Impact-Based Warnings and WEAs
 - Severe Tstm, Tornado, Flash Flood
- NWS Hazard Message Simplification:
 - "Headline" Changes/Streamlining this year
 - "Advisory" going away no earlier than 2024
- NWS Weather Support for events
- Review of NWS Support in 2020
 - Hurricanes Isaias & Laura, Winter Storms, etc.
- Non-Weather Emergency Messages for IPAWS from EM