



STATE of the ART

Emergency Management 2025

May 30, 2025

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Disclosure

Title: *State of the Art*

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Classification: UNCLASSIFIED

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Our Journey Today

- Morning Education - What
- Afternoon Hands-on - How
- More dialogue, less lecture
- Desired end-state is defined by you
- Strong desire to avoid 'politics'



Introduction

- Introduce our Cadre
- Participant poll
- Breaks and Lunch
- Snack bar not open today
- Prompt exit by 1630



P O R K Y P I G
D A F F Y D U C K

03.14.25
IS
THE DAY THE
EARTH
BLEW
UP

A
LOONEY TUNES
MOVIE

WARNER BROS. ANIMATION PRESENTS THE DAY THE EARTH BLEW UP: BOB BAER & BOB WILSON DIRECTED BY: DAFFY DUCK, RANDALL DICK, DETMUND DICK, DICK DICK, AND THE UNMANNED





9/11 changed things

- 403 responders died at the World Trade Center
- 9/11 Commission report highlighted 'failures in public safety communications'
- Federal support was directed towards strengthening emergency response systems and supporting public broadcasting initiatives
- States and cities upgraded their telecom systems
- 700/800 MHz, P25, encryption emerged



What We Now Know...

- Hazards are more complex and dynamic
- Federal support is changing (as we speak)
- There is no one right way to do EMCOMM
- Radio is a tool or resource, not a solution
- Amateur radio is today, rarely 'at the table'



NEMA Caucus

- Amateur radio is a less significant player
- Technical limitations – requires licensed operators, no encryption, radios not interoperable with public safety
- Can be difficult to work with - inflexible
- Amateur radio should find ways to close potential gaps in public safety communications, not try to supplant it



RESILIENCE



Resiliency = Adaptation



It is not about one extreme...



We're all going to die



...or the other



I'll depend on the government





The truth often lies,
unclaimed, in the middle.

Taylor Jenkins Reid



What does that look like?

- Reasoned perspective of hazards
- Not reactive, but responsive
- Seeks best possible outcomes
- Focuses on the local response



Suggests that radio amateurs...

1. Constant state of readiness
2. Realistic mission sets
3. Not expect total failure of systems
4. Exploit meaningful and joint readiness exercises
5. Key capabilities are portable



Less of this...

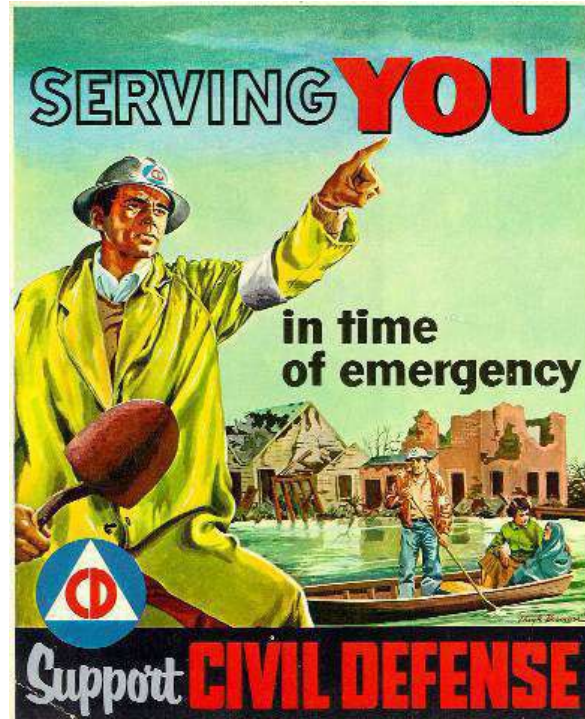


More of this...



What is Resilience?

1. Ability to withstand, adapt to and rapidly recover from a disaster (crises)



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1. Ability to withstand, adapt to and rapidly recover from a disaster (crises)
2. Resilience is an outcome, preparedness is a process
3. Less Federal, more local
4. Hazard agnostic v. 'All Hazards'

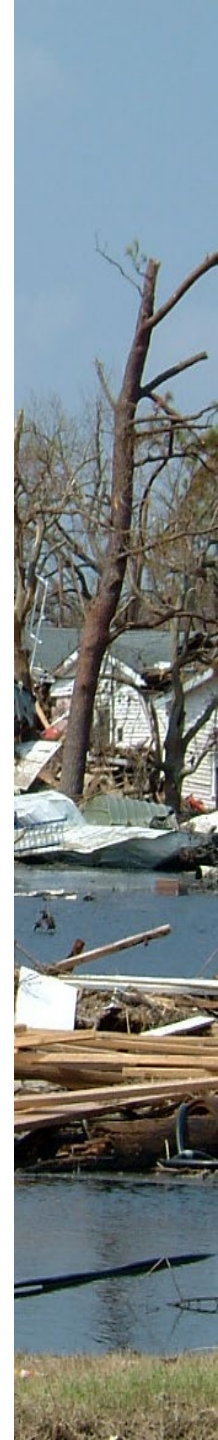




Important Information to all residents of Sweden



**In case of
crisis or war**



NATIONAL RESILIENCE STRATEGY

JANUARY 2025



THE WHITE HOUSE
WASHINGTON





Executive Order 14239 of March 18, 2025

Achieving Efficiency Through State and Local Preparedness

By the authority vested in me as President by the Constitution and the laws of the United States of America, it is hereby ordered:

Section 1. Purpose. Commonsense approaches and investments by State and local governments across American infrastructure will enhance national security and create a more resilient Nation. Federal policy must rightly recognize that preparedness is most effectively owned and managed at the State, local, and even individual levels, supported by a competent, accessible, and efficient Federal Government. Citizens are the immediate beneficiaries of sound local decisions and investments designed to address risks, including cyber attacks, wildfires, hurricanes, and space weather. When States are empowered to make smart infrastructure choices, taxpayers benefit.

This order empowers State, local, and individual preparedness and injects common sense into infrastructure prioritization and strategic investments through risk-informed decisions that make our infrastructure, communities, and economy resilient to global and dynamic threats and hazards.

Sec. 2. Policy. It is the policy of the United States that State and local governments and individuals play a more active and significant role in national resilience and preparedness, thereby saving American lives, securing American livelihoods, reducing taxpayer burdens through efficiency, and unleashing our collective prosperity. In addition, it is the policy of the United States that my Administration streamline its preparedness operations; update relevant Government policies to reduce complexity and better protect and serve Americans; and enable State and local governments to better understand, plan for, and ultimately address the needs of their citizens.

Sec. 3. Updating Federal Policy to Save Lives and End the Subsidization of Mismanagement. (a) National Resilience Strategy. Within 90 days of the date of this order, the Assistant to the President for National Security Affairs (APNSA), in coordination with the Assistant to the President for Economic Policy and the heads of relevant executive departments and agencies (agencies), shall publish a National Resilience Strategy that articulates the priorities, means, and ways to advance the resilience of the Nation. The National Resilience Strategy shall be reviewed and revised at least every 4 years, or as appropriate.

(b) National Critical Infrastructure Policy. Within 180 days of the date of this order, the APNSA, in coordination with the Director of the Office of Science and Technology Policy and the heads of relevant agencies, shall review all critical infrastructure policies and recommend to the President the revisions, rescissions, and replacements necessary to achieve a more resilient posture; shift from an all-hazards approach to a risk-informed approach; move beyond information sharing to action; and implement the National Resilience Strategy described in subsection (a) of this section. For



Executive Order 14239

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Short-Term Consequences

- Federal agencies assume higher-level roles favoring state and local governments
- Less federal funding – grants, 80/20 rule
- Tighter budgets at state & local levels
- More shared awareness of emerging gaps
- Potential new thinking...



Potential Opportunities

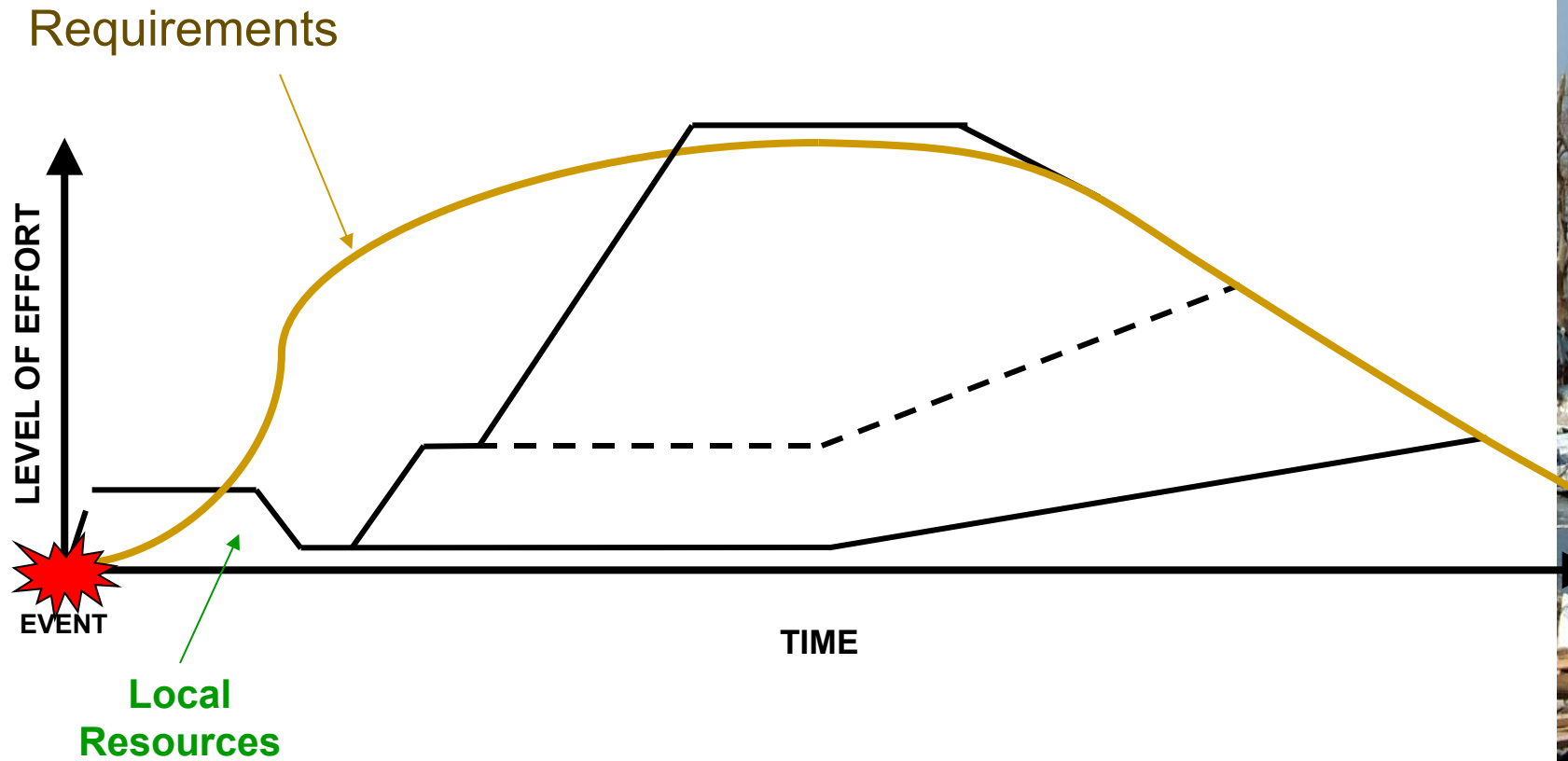
- Potential (slow) growth in local programs
- Better perspective of amateur radio role



Event



Timeline



Common early effects

1. Population may not receive essential info
2. Cell service is degraded
3. Public safety focus is on 'hot spots'
4. Community leaders begin getting organized
5. EM compelled to act on often inaccurate, incomplete info

Early response suboptimal



Government Responsibilities

County

- Warn & evacuate citizens
- Provide first response to local emergencies & disasters
- Process Mayor's Emergency Proclamation
- Conduct damage assessments

State

- Activate the Emergency Operations Center
- Recommend Governor's emergency proclamation
- Coordinate mutual aid assistance
- Coordinate disaster relief operations and support damage assessment

Federal

- Coordinate the delivery of supplemental Federal assistance
- Deploy Incident Management Assistance Teams (IMAT)
- May establish a Joint Field Office (JFO)
- Coordinate with 15 Emergency Support Functions (ESFs)



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**HOW DO WE
OPTIMIZE?**



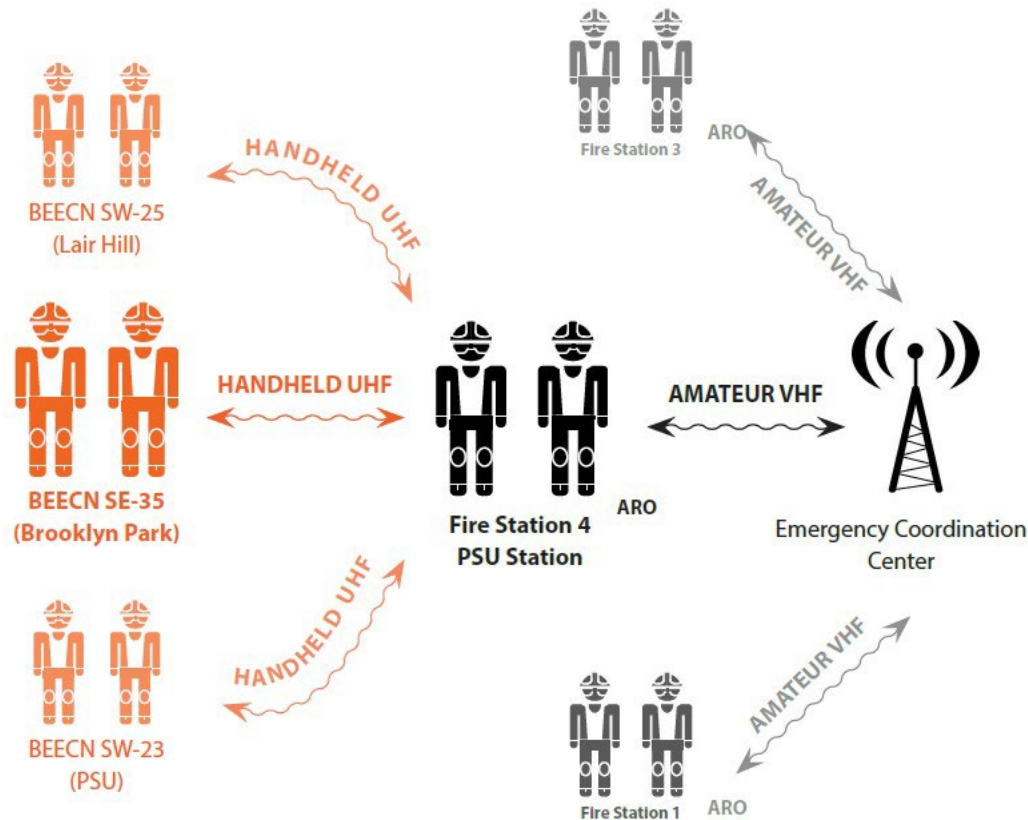
We Need to Think Differently

1. Activate & Deploy Teams



We Need to Think Differently

2. Expand your role with radio



We Need to Think Differently

3. Expand your role beyond radio



We Need to Think Differently

4. Provide for decision support



We Need to Think Differently

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We Need to Think Differently

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OPTION

Winlink Express 1.7.23.1 - KB7RHI

KB7RHI Add Callsign Settings Message Attachments Move To: Deleted Items Delete Open Session: Telnet Winlink Logs Help

No active session...

	Date/Time	Message ID	Size	Source	Sender	Recipient	Subject
	2025/05/11 20:48	341SHBF596DR	347	KB7RHI	KB7RHI		in the field with GPS location set

- Move to Read Items Folder
- Move to Saved Items Folder
- Move to Deleted Items Folder
- Move to Folder Selected Above
- Save message as...
- Show map of message origin
- Print message

Message ID: 341SHBF596DR
Date: 2025/05/11 20:48 (UTC)
From: KB7RHI
To: K7CLL
Source: KB7RHI
Location: 45.781273N, 122.520672W (GPS)
Subject: Message sent in the field with GPS location set

Hi,

This is a test message sent from one station in the field to another station in the field. Return message receipt request box has been checked.

Mark

[Message receipt requested]



We Need to Think Differently

5. Support public access using ancillary capabilities



Bottom Line

- Continue serving the community as a portable communications asset – core capability
- Consider becoming 'Volunteers with Radios' – CERT, etc.
- Grow capabilities that include support for imagery – mapping, photos
- Lastly, consider supporting public access to emergency communications - GMRS

