UNLEASH THE POWER OF LIMITLESS CONNECTIVITY
Why BCP?

Cable Is More Than Entertainment

- E911 & EMERGENCY COMMUNICATIONS
  - Cable operators are leading providers of voice services that connect customers to 911 and are vital to crisis response, public safety, emergency communications and recovery. Cable also enables Telecommunication Service Priority (TSP) circuits, Government Emergency Telecommunications Service (GETS) and Wireless Priority Service (WPS)

- LOCAL/REGIONAL/NATIONAL EAS
  - Cable links play key roles in the availability of regional/national emergency alert systems messaging, alerts and evacuation planning

- INTERNET ACCESS AND WIFI HOTSPOTS
  - Cable’s Internet connectivity is the primary source for sharing information in crisis situations and communicating with authorities, family and friends

- CELLULAR COMMUNICATION
  - Mobile wireless services that are critical in emergencies rely on cellular backhaul and small cell services that are often carried on cable broadband infrastructure

- REMOTE HEALTH MONITORING
  - A wide range of devices for determining health status or managing disease conditions rely on cable connectivity in the home
Disasters Are Challenging When Comms Are ALL Gone

No Phone, No Email, No Internet, No Power, Now What?

Puerto Rico was devastated and many things like power, communications and even water were absent for weeks not days.

Now this is extreme, but it shows that we should prepare for a response communication plan.

What is SHARES from DHS?

SHAred RESources (SHARES)

High Frequency (HF) Radio program, administered by the Department of Homeland Security’s (DHS) National Coordinating Center for Communications (NCC), provides an additional means for users with a national security and emergency preparedness mission to communicate when landline and cellular communications are unavailable.

Objective: Provide “last resort” Radio Communications for Disaster Recovery providing:

• Direct communication with DHS/FEMA and others
• Cable company coordination
• Communicating with other telecommunications providers
• State and local emergency services
DHS SHARES: NOT HAM RADIO

Access to the 1400 SHARES members is important!

• NOT FCC regulated
• Does not require certification/licensing
• Does not permit use of HAM call signs
• DHS driven to promote cross sector coordination
• Can leverage the digital capabilities such as text, data, HF email
• Allows for advanced technologies such as ALE
  • Automatic Link Establishment (ALE) is a mechanism allowing a HF radio to automatically determine the best channel to use to make a link

1. Northeast - FEMA Regions I, II (except PR & VI), III
   • CT, NE, MA, NH, RI, VT, NJ, NY, DC, DE, MD, PA, VA, WV

2. Southeast - FEMA Region IV plus PR & VI
   • AL, FL, GA, KY, MS, NC, SC, TN, PR, VI

3. North - FEMA Regions V, VII, VIII
   • IL, IN, MI, MN, OH, WI, IA, KS, MO, NE, CO, MT, ND, SD, UT, WY

4. South - FEMA Region VI
   • AR, LA, NM, OK, TX

5. Northwest - FEMA Region X
   • AK, ID, OR, WA

6. Southwest - FEMA Region IX
   • AZ, CA, HI, NV, GU, MP, AS
Station Essentials

The Radio

Antenna and Mast
Without reliable power how good is your station?

2 kW Power Station Supporting Solar
Winlink HF Email

No local Internet basic email no problem!

With the proper Pactor modem, basic email can be sent and received via HF to ensure critical communications can be routed to the proper party.

Separate email address is required on the winlink.org system in order to send/receive email from your local client.
MT 63 Broadcast
ALE

Automatic Link Establishment

- ALE is a mechanism allowing a HF radio to automatically determine the best channel to use to make a link.
- ALE supports features such as text messaging, GPS position send / request, group and broadcast calling.
- Two common standards
  - FED-STD 1045
  - MIL-STD-188-141B
  - These are industry standards and different radios should work together.
Thank You!

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