LEAVE NOW!
What to Take & How to Best Contribute

SEA-PAC 2022

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RIGHT of BOOM

Left of Boom

Right of Boom

Prevention
Preparedness
Mitigation
Monitoring
Prediction

Reacting to effects
Early (local) response
Situational awareness
Cascading effects
Adaptive behaviors


KIRO 7
PINPOINT STORMTRACKER
RIGHT NOW
MON 5:27 AM
Bellingham
Port Angeles
Forks
EVERETT
Chelan
HIGH WIND WARNING
SE 25-40 mph
Gusts 55-60 mph
Strongest Wind
Aft-Eve
Wenatchee
Hoquiam
Ellensburg
Chehalis
Yakima


DO NOT
ENTER


death
fever
symptoms
pneumonia
infection
alert
virus
COVID-19
CORONAVIRUS
diagnostic
dangerous
respiratory
hygiene
treatment
health
illness

CONVERSATION

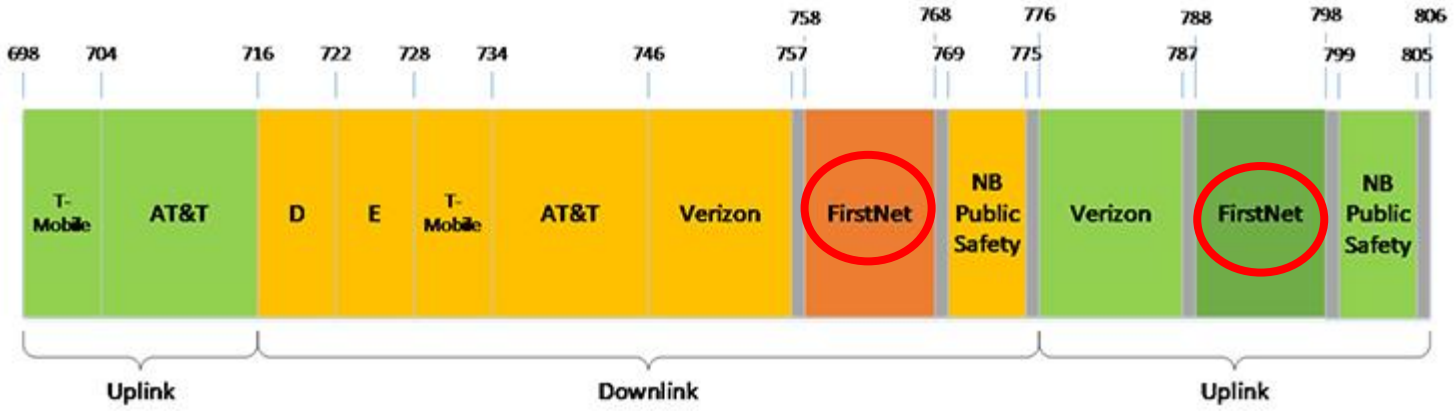
1. Perception of amateur radio support
2. Outline tools now in use by emergency management
3. Individual immediate response
4. Discuss ways in which the value of amateur radio can be optimized – New perception


ATV STATIONS

Post 9/11
Emergency Management Communication Systems

Cellular Telephony

1. Federal program
2. Reserved portion of cell spectrum
3. Targeted at First Responders



Trunked Radio Systems

VHF/UHF Radio Caches

- Requires programming upon arrival - AuxComm
- 'Must-Have' federal interoperable channels
- Potential for loss, diversion
- May include secure modes

Iridium Satellite

- Low Earth Orbit (LEO) satellite constellation
- PTN and SMS
- Must have an open, wide view of sky
- Low burden - size and weight
- Costly airtime

MSAT-G2 Satellite with Repeater

- Geostationary satellite constellation
- PTT voice and PTN
- Can be packaged with crossband repeater
- Not worldwide
- Limited data
- Less costly airtime

BGAN Satellite

- Geostationary satellite constellation
- Data only (~500 Kbps)
- Supports ROIP voice
- Worldwide on INMARSAT network
- Costly airtime

STARLINK Satellite

- Low Earth Orbit (LEO) satellite constellation
- Data only (~100 Mps)
- Supports ROIP voice
- Must have an open, wide view of sky
- Fixed cost (~$125/mo.)

FEDERAL HF-SSB

- SHARES
- High-power HF-SSB
- Preset ALE channels
- Requires antenna system - large
- Uncommon in field environment

ACU-M

4-port Interoperability system

- Networks up to four radios
- Multiple units can be linked using internet
- Smartphone APP
- Can easily network commercial, government and amateur radio

FEMA MERS

Out the Door

1. Current FCC license and Emer

1. Worker Credentials
2. Evacuate if directed
3. Personal ‘Go-bag’
4. Radio ‘Go-kit’
5. Meaningful Roles


Supreme
ECLIF


samlexpower
SEC-1235P-M
MFJ MOBILE TUNER
MODEL MFJ-945E
MFJ
HLA 305
HF LINEAR AMPLIFIER
14,234.00
18,133.00
ECOFLOW
MAX
RIVER
DX ENGINEERI


PORTABLE


M4X6MAX
A.C.
MAIN
3 WATTS X 8
MFD. IN THE U.S.A.
COMMANDER
HARDENED POWER SYSTEMS
SPK.
20 AMP
MAX DIST.
20 AMP
MAX DIST.
3 AMP
3 AMP
SCROLLING MEANS CHARGING
ALL LIT MEANS CHARGE COMPLETE
SOLAR INPUT
10 TO 60 WATT SOLAR PANEL
30 WATT
430 WATT
GROUND

I. Observe & Report

1. Assist local EM with Situational Awareness
2. NOAA Weather Service *Skywarn*
3. Clark County *Eyewarn*
4. Requested observations of critical infrastructure

II. Neighborhood Response

1. Federally-supported, locally-managed
2. Typically utilize FRS/GMRS
3. Amateur radio supplements comms in a 'hub n' spoke' configuration

III. Evacuation Center & Shelter Support


HOME
VISITOR
Home Team
Visiting Team


Continental Airlines
PLEASE WATCH HERE FOR EMERGENCY
ANNOUNCEMENTS THROUGHOUT THE NIGHT

IV. Logistical Support

1. Become ‘Volunteers with Communications’
2. Utilize WINLINK and other tools to manage requests and available inventory

V. Close Critical Comm Gaps

1. Partial failure of public safety systems
2. New needs not anticipated
3. High volume

CLOSING THOUGHTS

1. Safety of your family highest priority
2. Mobility and flexibility most important
3. To be effective, plan and prepare in collaboration with ESF-2 team - AUXCOMM
4. Let communications be an adjunct role
5. Never freelance