

# ***BCARES Packet Radio Usage Guidelines***

VHF Packet Radio (Simple Terminal Mailbox, Winlink P2P, and Packet Winlink) will be the first choice for sending a high precision data message to a distant end. In general, WINMOR HF Packet Radio email message transfers will take place if VHF Packet Winlink connectivity cannot be established with a regional VHF Radio Message Server gateway like W5SAF-10.

1. Reference the attached BCARES Packet Radio Usage Guidelines
  - VHF Packet Radio usage guidelines are listed in Section I, II, III, and IV.
  - I hope to go final on the BCARES Packet Radio Usage Guidelines this week. I'll send the final out to the BCARES packet radio operators.
2. Packet Radio Mode Selection
  - It is up to the packet radio operator and packet radio net control to determine how a message exchange will be conducted on VHF Packet Radio or HF WINMOR.
3. Examples of Packet Radio Mode selection based upon tactical operational scenarios given below:
  - The following are the communication conditions associated with each of the tactical operational scenarios:
    - Regional internet, cell phone, text messaging, and FAX machine phone networks are non-operational or overwhelmed. In other words, a more expedient commercial means of sending a high-precision message does not exist. See BCARES Packet Radio Usage Guidelines for the definition of a high-precision message.
    - An active BCARES Packet Radio Network is in place and operational.
  - **Tactical Scenario 1:** Bernalillo County (BC) Point of Distribution (POD) Manager hands the BCARES auxiliary communications (AUXCOMM) operator a handwritten note to verify with BC EOC that Jane Doe is in fact a BC employee. The POD AUXCOMM operator sends a VHF Packet Radio Simple Terminal text message to the BC EOC VHF packet radio station terminal node controller (TNC) mailbox.
  - **Tactical Scenario 2:** BC official hands the BCARES AUXCOMM operator an ICS-213. The ICS-213 is addressed to a recipient co-located with a BCARES packet radio station on the BCARES packet radio network. Send ICS-213 via VHF P2P Winlink mode.
  - **Tactical Scenario 3:** Bernalillo County (BC) official hands the BCARES AUXCOMM operator an email addressed to a recipient outside the BC internet outage area; for example, BC EOC has an email for the NM State EOC. The NM State EOC did not stand-up a VHF packet radio station. Send email using VHF Packet Winlink. Connect to regional VHF Radio Message Server (RMS) W5SAF-10 via LAMOSC digipeater, or via SCREST, and via LAMOSC digipeaters.
  - **Tactical Scenario 4:** Same as Tactical Scenario 3 but VHF connectivity cannot be established with W5SAF-10. Send email using HF WINMOR Winlink.
  - **Tactical Scenario 5:** Same as Tactical Scenario 3 but there is a CONUS wide internet outage, and NM State EOC stands-up an HF WINMOR packet radio station. Send email using HF WINMOR Radio-only mode.
  - **Tactical Scenario 6:** Same as Tactical Scenario 5 and the BC EOC coordinates an HF frequency with NM State EOC via the dedicated BC EOC/NM State EOC - 2 meter Yagi voice link. Send email using HF WINMOR P2P mode.
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