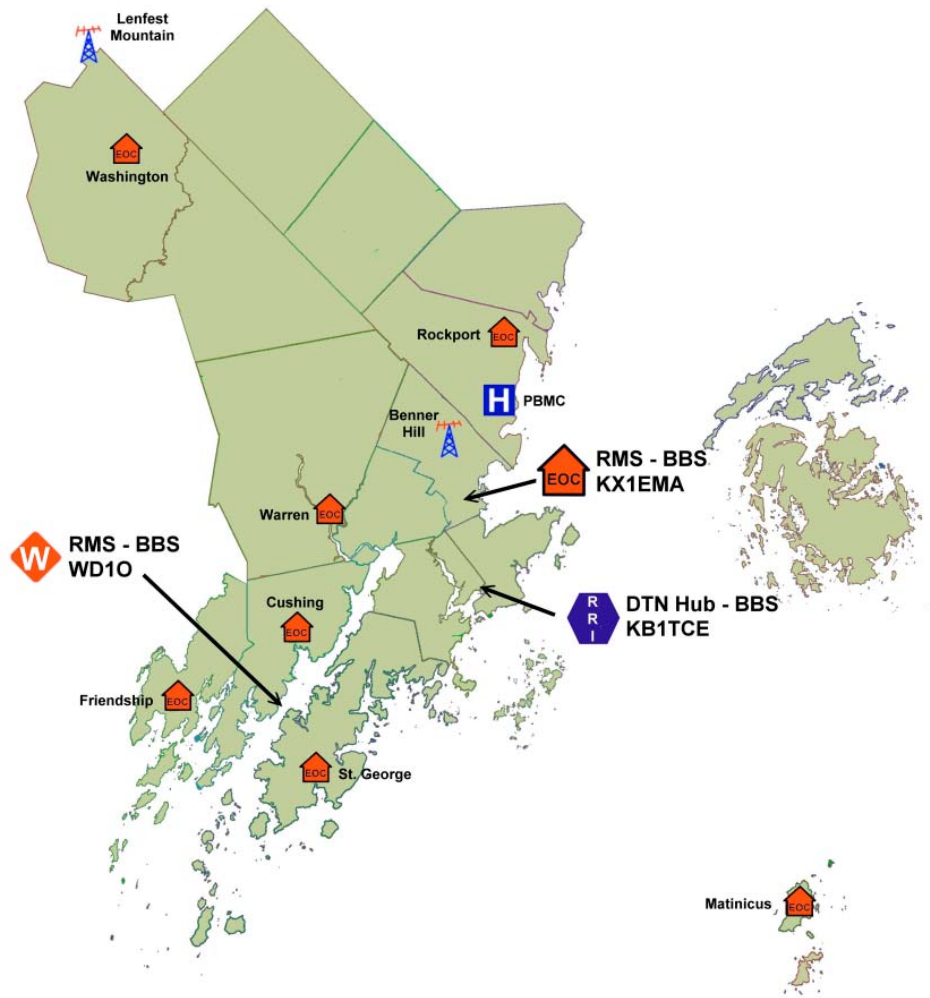


Knox County Data Communications Infrastructure



Common Elements

- Software used includes Winlink Express (BBS and Winlink), NBEMS, SARTrack (APRS) and BPQ (Winlink gateways, RRI traffic hub, digipeaters).
- All forms, when needed, are generated with flmsg.
- B2F compression is the default for all Winlink and BBS traffic. This is standard for Winlink Express and the Digital Traffic Network.

Infrastructure

- Lenfest Mountain hosts the 433.1 packet digipeater, WD10-1.
- Packet (VHF or UHF) is 1200 baud.
- Lenfest Mountain and Benner Hill host analog voice repeaters. These are used for NBEMS traffic when needed.

- WD1O hosts a Winlink gateway (WD1O-10) and BBS (WD1O-2) in Tenants Harbor. Modes accepted are HF Winmor & Pactor 3; VHF & UHF packet. This also functions as a switch between UHF and VHF and serves as a digipeater.
- BBS access requires registration.
- KB1TCE hosts an automated BPQ 1RN traffic hub for the RRI Digital Traffic Network in Owl's Head. This is HF Pactor 3 only. ARDOP may be added for users in ME and NH when released. Packet is not currently operating. Through traffic is accepted via Winlink, BBS or voice net. (Note: partially implemented at this point, limited forwarding.)
- Knox County actively participates in the DHS HF SHARES network: SSB, Pactor 4 Winlink, NBEMS (fldigi, flamp, flmsg).

EOC Details

- Knox County EOC is capable of HF data (Pactor) as well as HF/VHF/UHF NBEMS, packet and APRS. The EOC hosts a PiLinBPQ BBS and RMS, VHF and UHF. This also serves as a digipeater.
- All indicated town EOCs and the hospital are equipped with packet and sound card mode capabilities (Kenwood TM-D710) with the exception of Matinicus (voice only).
- Town stations can serve as APRS fill-in digipeaters on an as-needed basis. (St. George is currently full time.)
- All EOCs and the hospital operate under the KX1EMA call sign with tactical addresses for each location. The BBS and Winlink accept tactical addresses.

Links to Points Outside Knox County

- Access to the 145.010 packet network is via ABORN (W1EMA-1)
- UHF packet via Lenfest WD1O-1 for the Whitefield Fire Station, MEMA and points to the west.