

# Modernizing Legacy Equipment

- Permitting – no longer just a handshake with landowner
  - Typically digital stations require larger footprint
- Telemetry
  - Long distance radio links and phone lines
  - Limited success so far with digital VHF radios (haven't tested 25kHz bandwidth yet)
  - Primarily using 900MHz ISM radios and cellular
- Improved data quality (latency instead of noise)
- Someone always has their favorite station
- “Upgrade” just means we are using the same location, usually requires all new infrastructure



# NC.KRK





# NC.BSG



# NCSN Station Count

- Current analog stations: 174
- Analog stations on a list to be upgraded: 69
- Analog stations on a list to be removed: 30
- 75 Analog stations we may or may not keep, not needed for EEW
- Currently have ~180 digital stations