



TO: WFC Member Agencies & REDNET Users

FROM: Brandon McKinney, REDNET Program Manager

DATE: January 16, 2025

SUBJECT: Addition of REDNET Transmit Tone

Overview: Beginning in 2025, the REDNET frequency will operate with a transmit PL/CTCSS tone of 156.7 Hz.

Summary: Since it's inception, the REDNET Frequency has not used a transmit or receive PL/CTCSS tone. Beginning in 2025 a fixed PL/CTCSS tone of 156.7 Hz will be added to the transmit side of the REDNET frequency. This change will help prepare us for the potential addition of a receive PL/CTCSS Tone in the future. As technology has become more prevalent, more and more radio frequency interference (RFI) has developed. This causes unintentional interference and unnecessary noise in our radios. To help mitigate this noise, a PL/CTCSS tone can be added to a radio frequency.

The receive side of the REDNET frequency will continue to operate with carrier squelch (CSQ) only. While this still leaves the radio susceptible to interference and noise, we want to ensure that adequate time is provided for all REDNET users to program field unit radios with the proper transmit PL/CTCSS tone before enabling a receive PL/CTCSS tone. Adding a receive tone prematurely would prevent users from being able to communicate on the REDNET frequency if both radios didn't have the proper PL/CTCSS transmit tone.

Radio Programming Guide:

NAME / Callsign	RX Frequency	RX Tone	TX Frequency	TX Tone
REDNET / WRPZ933	153.8300	None/CSQ	153.8300	156.7Hz