STATEMENT OF NEED
Radio and Antenna Communications Service Monitor / Test Set

- This requirement is for **one (1) Communications Service Monitor (CSM) / Test Set** with supporting equipment for the 55 Communications Squadron (CS) Base Radio work-center at Offutt AFB.

- Provide **one (1) CSM** and supporting equipment for the required specifications below.

- The items provided shall meet or exceed the following requirements:
    - The CSM must have P25 Conventional (Phase 1) with the Auto-Test and Alignment for Motorola APX Series Land Mobile Radios (LMR).

    - The CSM must have Cable and Antenna Analysis with the ability to test Distance to Fault, Voltage Standing Wave Ratio (VSWR), and Return Loss.
    - Supporting equipment for the CSM would include a Short-Open-Load Calibrator, 10 Amp Current Shunt 0.01 Ohm, 2 RF Cables, and 1 Hard Transit Carrying Case.

- Breakdown of the CSM and supporting equipment:
    - **One (1)** CSM.

    - **One (1)** Short-Open Load Calibrator.

    - **One (1)** 10 Amp Current Shunt 0.01 Ohm.

    - **Two (2)** RF Test Cables.

    - **One (1)** Hard Transit Carrying Case.

4. Vendor shall provide products that meets or exceeds requirements above.

5. The CSM is required to significantly reduce technician time spent on routine maintenance and ensure consistent, accurate radio alignments for Offutt AFB customers.