

## AN/TPX-41 Interrogator Set

Status: STD-A; NSN: 5895-00-406-1603

Reference: TM 11-5895-479-12

### General Information

The AN/TPX-41 is designed for operation with Radar Set AN/FPN-40 to provide high resolution aircraft identification. Both the AN/TPX-41 and the AN/FPN-40 are part of Radar System AN/FSQ-84. The AN/FSQ-84 functions as an air traffic control center. When properly installed and operating, the AN/TPX-41 operates as a complete aircraft identification system with both IFF and SIF capabilities. The IFF capability allows an operator to distinguish between friendly and unfriendly aircraft, while the SIF capability permits selective identification of specific friendly aircraft.

### Technical Characteristics

Frequency Range:

Transmit-----Capability 990 to 1040 MHz, pretuned 1010 to 1030 MHz

Receive-----Capability 1080 to 1130 MHz, pretuned 1090 to 1110 MHz

Planning Range-----321.8 km (200 mi)

Power Input-----117 V AC  $\pm 10$  percent, 50/60 Hz, single phase, 12 amp maximum, 6 amp normal

Power Source-----Radar System AN/FSQ-84 power system

Power Output-----1.5 kw

Weight-----177.3 kg (390 lb)

# AN/TPX-41 Interrogator Set

