

AN/TSC-74 Communications Center

Status: STD-A; NSN: 5820-00-110-6256

Reference: Not Available

General Information

The AN/TSC-74 is a shelter-mounted control center for a ground communications system. Facilities are available for connecting one land-wire teletypewriter to the Shelter S-280/G. The AN/TSC-74 provides ground-to-aircraft voice communications and ground station-to-ground station voice and teletypewriter service. Radio Set AN/VRC-46 can provide secure voice service, but the AN/GRC-106 is not compatible with the current tactical speech security equipment.

Major Components

2 Radio Sets AN/GRC-106	2 RATT Sets MD-522/GRC
3 Teletypewriter Sets AN/UGC-4	2 Generator Sets PU-405
2 Radio Sets AN/VRC-46	2 Telegraph Terminals TH-22
4 Antennas AN/GRA-4	3 Teletypewriters TT-76C
2 Antennas AN/GRA-50	1 Air Conditioner, 18,000 BTU
2 Antennas AT-912 or AS-1729	

Technical Characteristics

Type of Service-----	AN/GRC-106: 3K00J3E, 3K00R3E, 100HA1A, or 1K10A1A
	AN/VRC-46: 30K0F3E (secure or nonsecure)
Frequency Range-----	AN/GRC-106: 2 to 29.999 MHz
	AN/VRC-46: 30 to 75.95 MHz
Planning Range-----	AN/GRC-106: ground wave, 80 km (50 mi); sky wave, 600 to 2400 km (373 to 1,491 mi)
	AN/VRC-46: 8 to 40 km (5 to 25 mi)
Number of Channels-----	AN/GRC-106: RT-662, 28,000; RT-834, 280,000
	AN/VRC-46: 920
Power Input-----	230 V AC, 60 Hz
Power Source-----	PU-405
Power Output-----	AN/GRC-106: 3A3A, 3A3J, 400 W (PEP) 0.1A1, 1.1A1, 200 W
	AN/VRC-46: low, 8 W; high, 35 W
Antenna-----	AN/GRA-4, AN/GRA-50, RC-292, and AT-912 or AS-1729
Tuning-----	AN/GRC-106: digital
	AN/VRC-46: detent

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