

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army, Navy

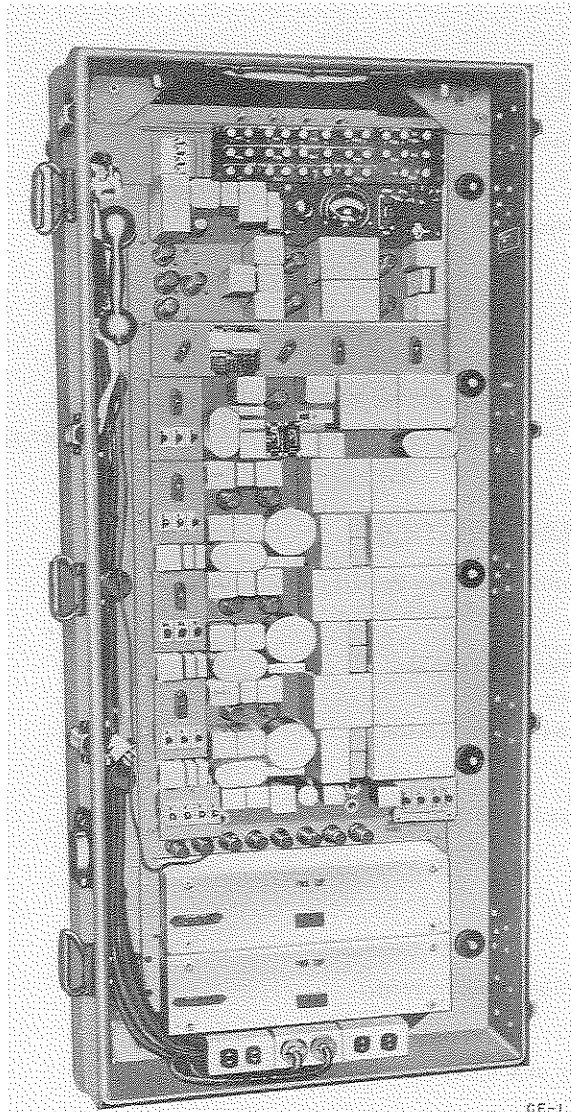
DATE OF THIS SHEET: 9 Jan 52

AN/TCC-TYPE

SERVICE TYPE NUMBER:

CF-1

TELEPHONE TERMINAL



Telephone Terminal CF-1 (carrier) is a transportable, four-channel, carrier telephone terminal equipment used in systems composed of spiral-four cable or equivalent facilities. It is used for long distance communication in systems serving division and higher headquarters.

This equipment consists of a single bay of apparatus which provides one voice-frequency, plus three carrier-frequency channels.

It requires additional equipment for ringing. It may be used with other carrier terminal equipment to provide telephone and telegraph traffic handling, and transmission facilities. Distances up to about 100 miles are possible with repeaters at 25-mile intervals, over cable on the ground or in the air, and up to 400 miles over buried cable. Operation over nonrepeated circuits is possible up to 45 miles.

This terminal is the principal operating component of Telephone Terminal Set TC-21.

It operates from 115/230-v, a-c power and in emergencies can be operated from a 12-v storage battery.

AN/TCC-TYPE		INSTRUCTION LITERATURE: TM 11-341
		CLASSIFICATION OF EQUIPMENT: Unclassified
CF-1	:SERVICE TYPE NUMBER	USING SERVICE : Army, Navy
TELEPHONE TERMINAL		DATE OF THIS SHEET : 9 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
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(Equipment consists only of a single major operating component.)

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Division, corps, army and higher headquarters.

INSTALLATION: Ground, transportable. Operates in fixed or semifixed installations.

MAXIMUM SYSTEM LENGTH: 400 miles.

CAN COMMUNICATE WITH: Repeater, terminal, central office, related station equipment, and subsidiary apparatus which operates in the same connecting facility in tactical or cable systems.

TECHNICAL CHARACTERISTICS

FACILITIES REQUIRED FOR TRANSMISSION: Spiral-four cable or facility of equivalent quality.

FACILITIES AFFORDED: One v-f plus 3 carrier frequency channels.
 CF-1-A;-two-wire termination.
 CF-1-B;-two-wire and four-wire termination.

FREQUENCY: 200 to 12,000 cps; approximate band spacing of 2,600 cps.

TYPE OF MODULATION: Am (nominal).

TYPE RINGING: Voice frequency by means of extra ringing equipment.

POWER REQUIREMENTS: 115/230 v, 50/60 cyc ac; or one 12-v, two 6-v storage batteries in emergencies.

PHYSICAL CHARACTERISTICS

Telephone Terminal CF-1 measures 66 x 28 x 19 inches, net weight 475 pounds, volume 20.32 cu ft, 0.5 ship ton. Packed for export shipment: total weight 562 pounds, total volume 32 cu ft, 1.7 ship tons. Shipped in one package.