

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

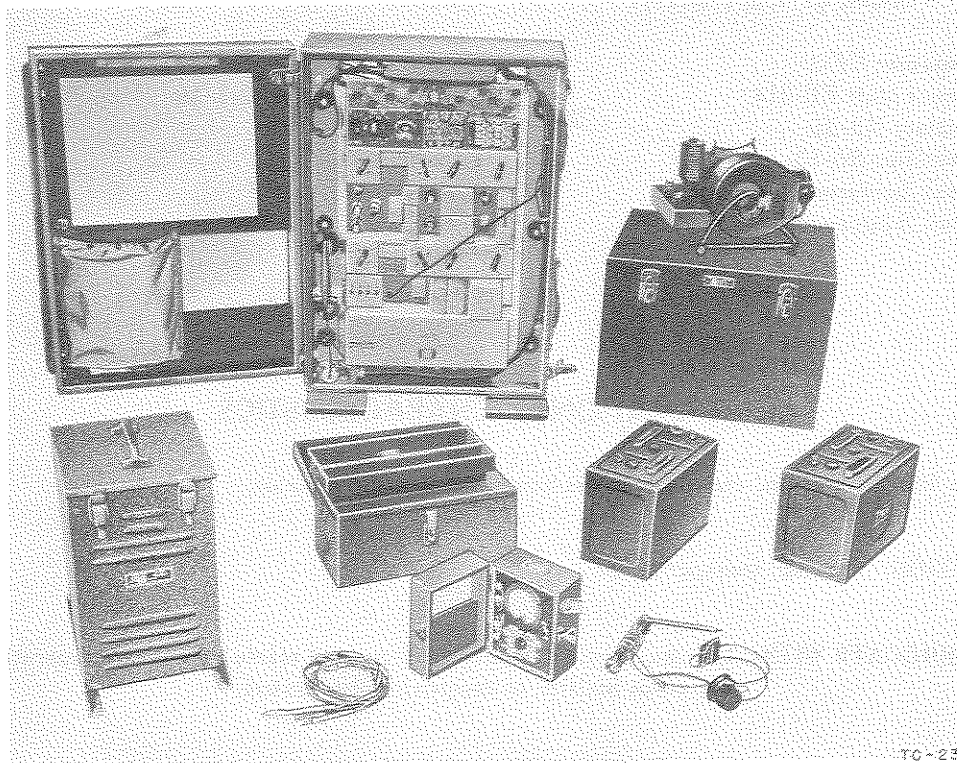
DATE OF THIS SHEET: 13 Feb 52

**AN/TCC-TYPE**

SERVICE TYPE NUMBER:

TC-23

REPEATER SET



Repeater Set TC-23 is a transportable, four-wire, carrier repeater equipment used at intermediate points in a spiral-four cable carrier facility serving division and higher headquarters.

This equipment consists of the repeater component, a power unit, rectifier, and related accessories. It has facilities for transmitting, testing, and monitoring a v-f channel and for automatic transfer to emergency power supply.

Primary operating component of this equipment is part of Telephone Central Office Set AN/TCC-2 and is composed of repeater apparatus mounted on panels and contained in a wooden case. It is used with Telephone Terminal CF-1.

Operates on 115/230 v ac or 12-v storage battery.

<b>AN/TCC-TYPE</b>		INSTRUCTION LITERATURE: TM 11-341
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**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Repeater CF-3	28 x 14 x 34	225
1	Power Unit PE-214	14-1/8 x 17-3/4 x 12-3/16	57
2	Battery BB-55	13 x 7 x 9-3/8 (ea)	110
1	Rectifier RA-83	14 x 10 x 16	51
1	Test Equipment IE-53	7 x 6 x 5-1/2	8
1	Tool Equipment TE-123	7 x 16 x 7	31

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** Division, communications zone, and zone of interior.

**INSTALLATION:** Ground; transportable.

**CAN COMMUNICATE WITH:** Carrier, terminal, central office, and related equipment operating in the same facility or composing the system.

**TECHNICAL CHARACTERISTICS**

**FACILITIES REQUIRED:** Spiral-four cable.

**FACILITIES AFFORDED:** Two simplex circuits of the spiral-four transmission line.

**POWER REQUIREMENTS:** 115/230 v, 50/60 cyc ac or 12-v storage battery.

**PHYSICAL CHARACTERISTICS**

Repeater Set TC-23 weighs 482 pounds net, volume 22.5 cu ft. Packed for export shipment: total weight 1,036 pounds, total volume 35 cu ft, 1 ship ton.