

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army, Navy

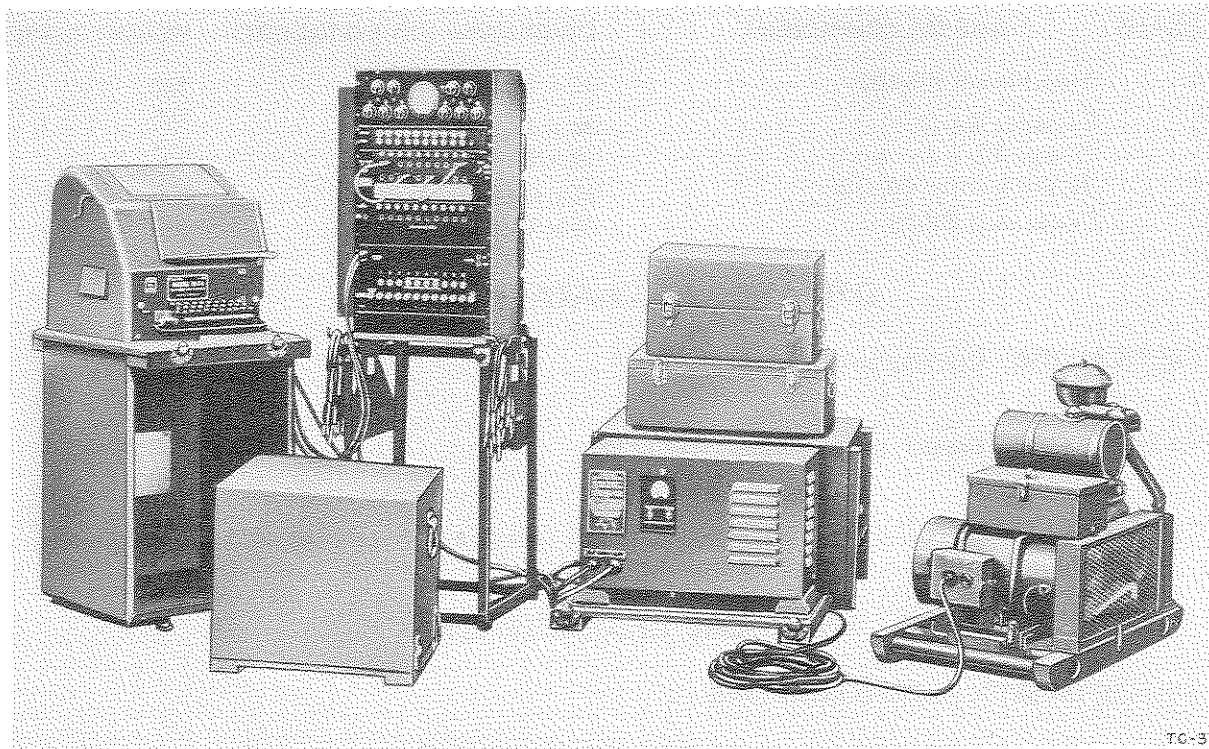
DATE OF THIS SHEET: 14 Feb 52

AN/TGC-TYPE

SERVICE TYPE NUMBER:

TC-3

TELEGRAPH CENTRAL OFFICE SET



Telegraph Central Office Set TC-3 is a complete transportable central office for receiving, transmitting, and switching tactical teletypewriter traffic in a field wire or cable system serving division or higher headquarters.

This equipment consists essentially of a switchboard, teletypewriter, and associated accessories. The switchboard (BD-100) provides switching and full repeating facilities for 10 lines (maximum) which may be ground return or metallic. Provides for supplying line current alone, or in conjunction with the remote station, or by the distant station alone.

Up to two switchboards may be added and operated in multiple with the switchboard of this equipment, when necessary to expand the capacity of this telegraph central office.

Operates on about 500 w of a-c power through appropriate current rectifying equipment.

AN/TGC-TYPE		INSTRUCTION LITERATURE: TM 11-358
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Switchboard BD-100	16 x 16 x 26	180
1	Rectifier RA-43	30 x 16 x 19	190
1	Printer TG-7-A - or	19 x 20 x 42	225
1	Teletypewriter TG-7-B	Not Available	Not Available
1	Power Unit PE-75	36 x 19 x 26	325

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Division and corps level.

INSTALLATION: Ground, transportable.

CAN COMMUNICATE WITH: Receives, transmits, and switches teletypewriter traffic in field wire or cable systems.

TECHNICAL CHARACTERISTICS

NUMBER OF SWITCHBOARD POSITIONS: 1.

MAXIMUM: 3.

MINIMUM: 1.

NUMBER AND TYPE OF CIRCUITS: (Per position):

Number of cord circuits: 1 (operator's).

Number of line circuits: 10.

Number of trunk circuits: 0.

POWER REQUIREMENTS: Rectifier RA-43 requiring about 500 w operates from 115/230 v, 50/60 cyc, single-phase ac and furnishes maximum output of (4.5 amp)dc at 115 v.
Power Unit PE-75 furnishes 115 v, 60 cyc ac.

PHYSICAL CHARACTERISTICS

Telegraph Central Office Set TC-3 weighs 1,154 pounds net, volume 43.5 cu ft, 1.1 ship tons.

Packed for domestic shipment: total weight 1,400 pounds, total volume 63.8 cu ft, 1.6 ship tons.

Shipped in 9 packages. Packed for export shipment: total weight 1,683 pounds, total volume 93.3 cu ft, 2.4 ship tons. Shipped in 8 packages.