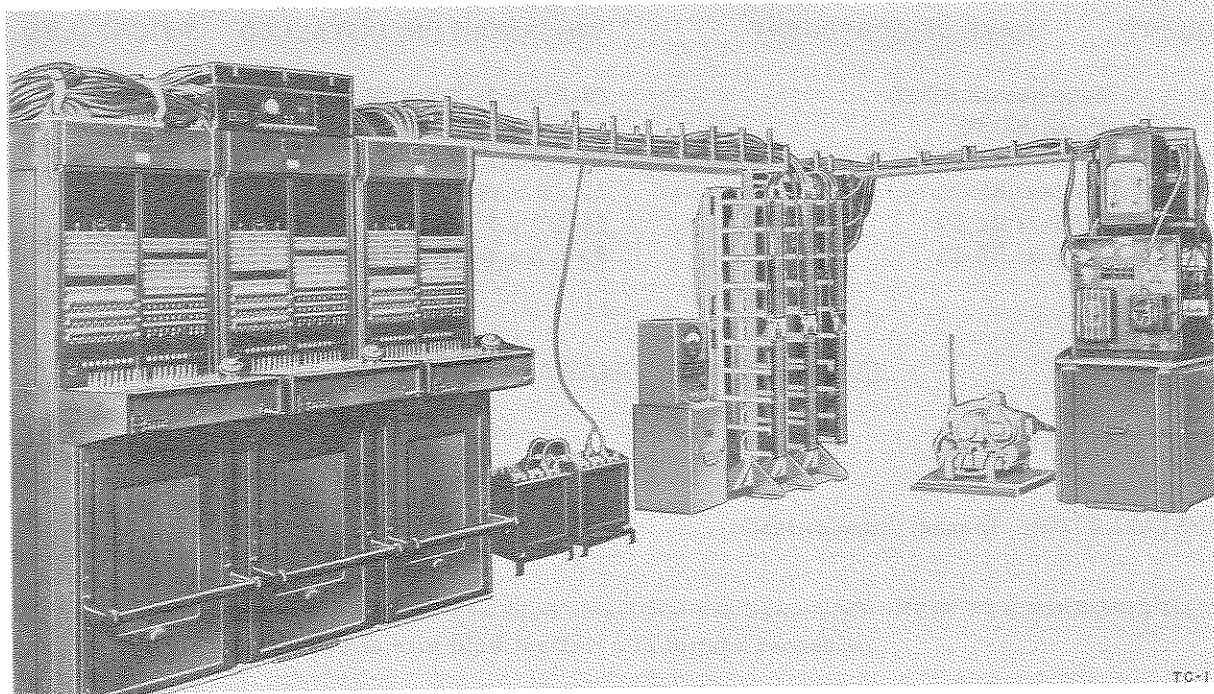


STATUS: Limited Standard
 CLASSIFICATION OF EQUIPMENT: Unclassified
 USING SERVICE: Army
 DATE OF THIS SHEET: 23 Jan 52

AN/TTC-TYPE

SERVICE TYPE NUMBER: TC-1
 TELEPHONE CENTRAL OFFICE SET



Telephone Central Office Set TC-1 is a complete, transportable, manual, telephone exchange which serves both local- and common-battery lines. It can handle local, and originate and terminate trunk and tie-line traffic and is used as a telephone central of a tactical field wire or cable system at army level.

This equipment consists essentially of a 3-position switch-racks, power equipment, and associated accessories.

Each switchboard section is a single-position, two-panel, manually operated unit arranged to serve magneto and common battery lines, and common battery manual and dial trunks.

Power is supplied by four Battery BB-46, one Panel BD-90, which includes ringing equipment, a rectifier, and a gasoline engine-driven field power unit.

Traffic-handling capacity of this central office may be increased as required by alternating the corresponding position of two TC-1 equipments in the same line-up.

AN/TTC-TYPE

INSTRUCTION LITERATURE: TM 11-335

CLASSIFICATION OF EQUIPMENT: Unclassified

TC-1 :SERVICE TYPE NUMBER

USING SERVICE: Army

TELEPHONE CENTRAL OFFICE SET

DATE OF THIS SHEET: 23 Jan 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
3	Switchboard BD-80	37-7/8 x 26-3/8 x 77-9/16	739
1	Panel BD-90	35-1/2 x 25 x 26-1/4	230
3	Frame FM-19	17-1/4 x 23 x 80	180
1	Cabinet BE-70	12 x 9 x 18	32
1	Cabinet BE-72	26-1/2 x 7 x 9-3/16	61
1	Cabinet BE-75	13-1/3 x 4-5/8 x 9-3/4	25

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Army.

INSTALLATION: Ground; transportable.

CAN COMMUNICATE WITH: Originates and terminates trunk and tie-line traffic and is used as a telephone central of a tactical field wire or cable system.

TECHNICAL CHARACTERISTICS

NUMBER OF SWITCHBOARD POSITIONS: 3.

NUMBER AND TYPE OF CIRCUITS:

Number of cord circuits: 45 universal; 3 dial.

Number of line circuits: 90 local battery, 180 common battery.

Number of trunk circuits: 12 two-way to dial or manual office.

POWER REQUIREMENTS: Power Unit PE-75: 2.5 kva, 115 v, 60 cyc ac.

Rectifier RA-36: 12 amp; 0 to 65 v.

Battery BB-46: 90 amp-hr; 40 to 56 v .

PHYSICAL CHARACTERISTICS

Telephone Central Office Set TC-1 weighs 7,900 pounds net. Packed for export shipment: total weight 10,596 pounds, total volume 543 cu ft, 13.6 ship tons.