

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT:Unclassified

USING SERVICE: Navy

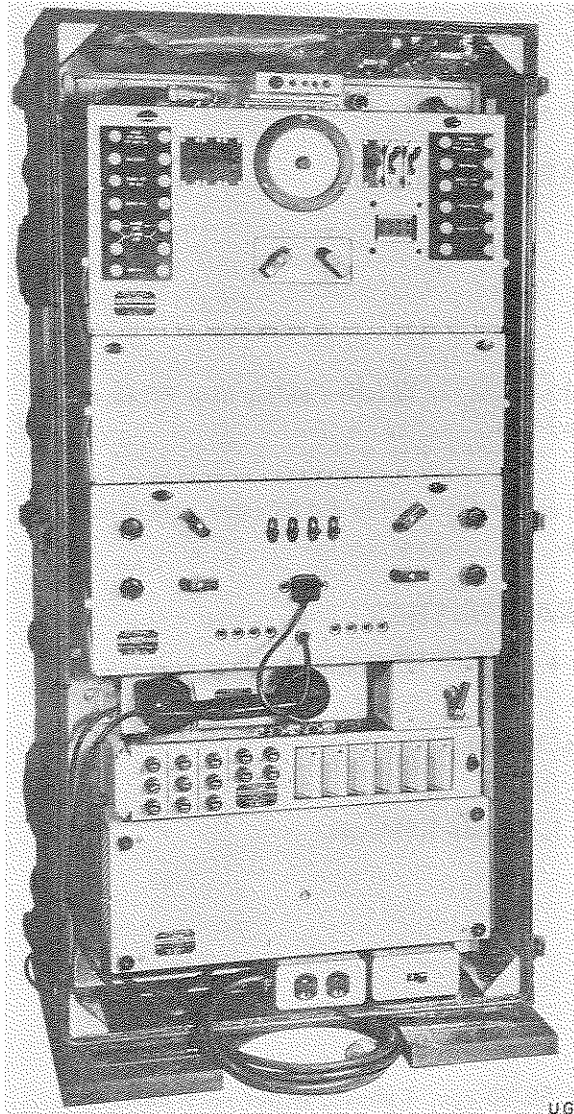
DATE OF THIS SHEET: 29 May 52

**AN/TCC-TYPE**

SERVICE TYPE NUMBER:

UG

LINE TERMINAL EQUIPMENT



Line Terminal Equipment UG converts d-c telegraph signals to a-c for carrier telegraphic transmission over a land line, or radio relay link, and reconverts such a-c signals to dc. The system consists of four, two-way telegraph circuits. These may be connected to either a two- or four-wire line.

Telephone communication between line terminals is provided. By means of two switches, one of which selects the operating frequencies for two oscillators, and the other selects the two corresponding filters for each circuit. Two circuits of a terminal unit may be operated on any one of four combinations of frequencies.

The system permits connection for either duplex or half-duplex operation, and is capable of handling manual telegraph, teletypewriter, and automatic tape recording.

Neutral or polar operation is possible.

The two- or four-wire line used with the system must have less than 25 db loss.

<b>AN/TCC-TYPE</b>		INSTRUCTION LITERATURE: NavShips 900,223
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**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
4	Cabinet CW-10391	49-1/2 x 24-1/4 x 17-1/8	Not Available
4	Fuse Panelboard CW-28016	Not Available	" "
4	Line Control Unit CW-23426	" "	" "
4	Load Control Unit CW-50177	" "	" "
4	Rectifier Power Unit CW-20290	" "	" "
4	Telephone Set Unit CW-51068	20 x 2-1/2 x 7	" "

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** Shore stations.

**INSTALLATION:** Ground, transportable.

**MAXIMUM SYSTEM LENGTH:** 6 miles using Wire W-110-B line, or 16 miles using Wire W-143 or 19 gauge-quad nonloaded line.

**CAN COMMUNICATE WITH:** This is signal-modifying equipment used in conjunction with primary communication apparatus.

**TECHNICAL CHARACTERISTICS**

**FACILITIES REQUIRED FOR TRANSMISSION:** 2- or 4-wire land line.

**FACILITIES AFFORDED:** 4 channels, polar or neutral keying.

**FREQUENCY:** 595, 765, 935, 1,105, 1,445, 1,615, 1,785, and 1,955 cps.

**TYPE OF MODULATION:** Am.

**TYPE RINGING:** 20 cyc.

**POWER REQUIREMENTS:** 135 w, 103-126/207-253 v, 50/60 cyc, 1 phase, ac (for each cabinet).

**PHYSICAL CHARACTERISTICS**

Line Terminal Equipment UG measures 49-1/2 x 34-1/2 x 24-1/4 inches, net weight 1,492 pounds, volume 48 cu ft, 1.2 ship tons. Packed for domestic shipment: total weight 2,840 pounds, total volume 90 cu ft, 2.25 ship tons.