

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Navy

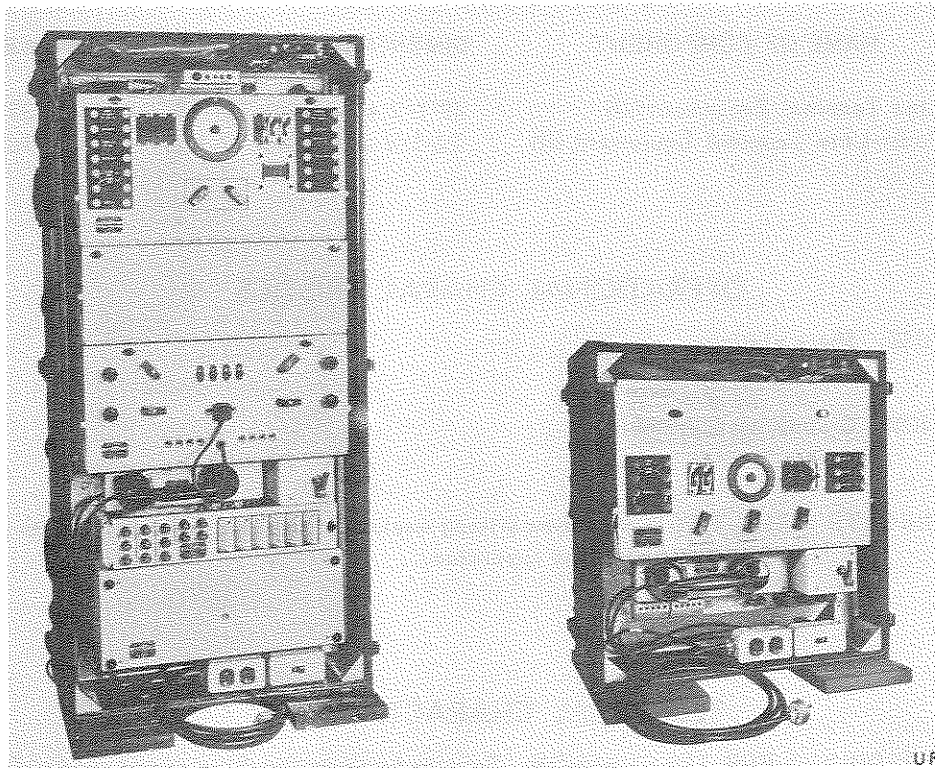
DATE OF THIS SHEET: 29 May 52

AN/TCC-TYPE

SERVICE TYPE NUMBER:

UF

PORTABLE CARRIER CONTROL SYSTEM



Portable Carrier Control System UF is used in multichannel carrier telegraph operation over landlines or radio relay links. It converts d-c telegraph or teletypewriter signals into a-m (tone) voice frequencies for transmission over the line or radio link and reconverts such a-c signals to d-c signals.

A system of UF equipment consists of four Line Terminal Equipments UG and two Radio-Line Terminal Equipments UH.

These six equipments, and the necessary radio transmitting and receiving units for two radio channels (one for each direction of transmission), provide four two-way telegraph circuits.

An eight-channel system may be operated under favorable conditions of radio transmission.

For one eight-channel system, four additional UG equipments are required (total of eight).

AN/TCC-TYPE		INSTRUCTION LITERATURE: NavShips 900,223
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
4	Line Terminal Equipment UG	49-1/2 x 24-1/4 x 17-1/8	373
2	Radio-Line Terminal Equipment UH	24-1/4 x 23-7/8 x 17-1/8	163

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations.

INSTALLATION: Ground, transportable.

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

TECHNICAL CHARACTERISTICS

FACILITIES REQUIRED FOR TRANSMISSION: Two- or four-wire landline or radio relay link.

FACILITIES AFFORDED: Four channels, polar or neutral operation.

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: Each UG: 135 w, 103 - 126 / 207 - 253 v, 50/60 cyc, 1 phase, ac.
Each UH: 15 w, 103 - 126 / 207 - 253 v, 50/60 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Information on Portable Carrier Control System UF not available.