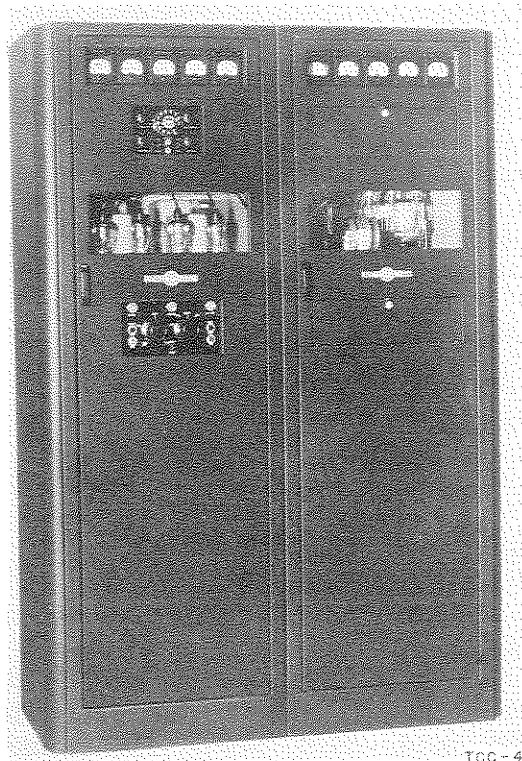


STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Navy
DATE OF THIS SHEET: 9 May 52

AN/FRT-TYPE

SERVICE TYPE NUMBER: TCC-4
RADIO TELEPHONE & TELEGRAPH TRANS EQUIP



TCC-4

Radio Telephone and Telegraph Transmitting Equipment TCC-4 transmits radiotelegraph and radio-telephone signals at medium power in the 2.0- to 18.1-mc frequency range for point-to-point, ground-to-air, and transoceanic communication. Ten preset, crystal-controlled transmitting frequencies are available and can be selected from a remote position.

This equipment is a complete h-f transmitting station which includes all units necessary for either local or remote control.

With a four-wire control line, the control unit can be used to dial-tune, start, and stop the transmitter, to key the carrier on or off, and to relay tone or voice modulating signals.

Circuits are provided for a telephone line linking local and remote operating positions.

When operating the transmitter from a 25-cyc, 3-phase power source, a frequency converter is used. In all cases, the remote control unit operates on 25-cyc ac.

AN/FRT-TYPE		INSTRUCTION LITERATURE: NavShips 900,214
TCC-4		CLASSIFICATION OF EQUIPMENT: Unclassified
:SERVICE TYPE NUMBER		USING SERVICE: Navy
RADIO TELEPHONE & TELEGRAPH TRANS EQUIP		DATE OF THIS SHEET: 9 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter COL-52297	78 x 48 x 24	1,600.0
1	Station Handset and Cord 69H-5	Not Available	Not Available
1	Remote Control Unit COL-23360	10-1/2 x 19 x 10	53.0
1	Operator's Desk Set 223G-3	5-1/2 x 5-1/8 x 7-1/2	5.75
1	Telegraph Key Cord and Plug 67A-3	Not Available	Not Available
1	Frequency Converter 231N500	" "	" "

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore radio stations.

INSTALLATION: Ground.

APPROXIMATE RANGE (IN MILES): Extended.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -7, -12, -28, -32; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; AN/VRR-2; BC-312, -342, -348, -779, -794, -1004; MBS; MQ; OA-58/FRC, -59/FRC; R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -208/FR, -209/FR, -210/U, -211/U, -213/SR, -274/FRR, -320/FRC, -388/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -281, -399, -499, -506, -536, -543, -585, -593, -694, -704; TBO; TBX; TCH; TCP; TCS; AR-88 (RCA); Collins 18S-4 (AF Model); Collins 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 2.0 - 18.1.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, mcw, voice.

POWER OUTPUT: Cw: 1 kw.
Mcw: 600 w.

POWER REQUIREMENTS: Transmitter: 4.50 kw, 220 v, 25/60 cyc, 3 phase, ac.
Operator's control unit: 105-125 v, 25 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Telephone and Telegraph Transmitting Equipment TCC-4 measures 78 x 48 x 24 inches, net weight 1,700 pounds, volume 52 cu ft, 1.3 ship tons.