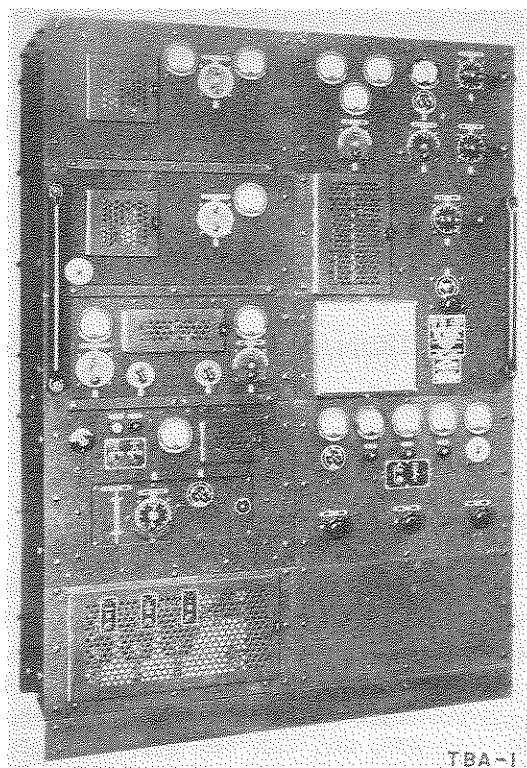


STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Navy
DATE OF THIS SHEET: 29 Apr 52

AN/URT-TYPE

SERVICE TYPE NUMBER: TBA-1
RADIO TRANSMITTING EQUIPMENT



TBA-1

Radio Transmitting Equipment TBA-1 is a general purpose, medium power h-f radiotelegraph transmitter for use on surface vessels and at shore stations.

The equipment may be keyed at speeds up to 100 wpm throughout its frequency range.

Sixteen crystal-controlled channels are provided.

The transmitter operates best with a single-wire antenna below 8 mc. Above 8 mc either a single-wire or horizontal doublet antenna may be used.

AN/URT-TYPE		INSTRUCTION LITERATURE: NavShips 95290
TBA-1		CLASSIFICATION OF EQUIPMENT: Unclassified
:SERVICE TYPE NUMBER		USING SERVICE : Navy
RADIO TRANSMITTING EQUIPMENT		DATE OF THIS SHEET : 29 Apr 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Transmitter Unit CG-52011, -52012, -52007, -52010	72 x 49 x 33-5/32	1,215
1	Motor Generator Set CG-12A445, -12A444, -12A442, or -12A443	Not Available	1,977
1	Starter CG-4228, -4288A, -21014, -21001	Not Available	178
1	Filter Unit, CG-53007, -53008, -53005, -53003	Not Available	80

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard or shore stations.

INSTALLATION: Shipborne, ground.

APPROXIMATE RANGE (IN MILES): Medium to long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -12, -28, -32, AN/GRC-3, -4, -9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -22; AN/PRC-7, -8, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -5, -8, -13, -16, -20; AN/VRQ-1; BC-312, -342, -348, -779, -794, -1004; MBS; 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, -293, -294, -298, -399, -499, -506, -508, -509, -510, -528, -536, -543, -585, -593, -694, -704; TBO; TBX; TCH; TCO; TCS; AR-88 (RCA); Collins 18S-4 (AF Model); Collins 75A-2; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 4.0 - 26.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Cw, icw.

POWER OUTPUT: At 4.0 mc: 1 kw.
At 26.0 mc: 600 w.

POWER REQUIREMENTS: 6.5 kw, 220 v, 60 cyc, 3 phase, ac; or 5.9 kw, 440 v, 25 cyc, 3 phase, ac; or 6.4 kw, 230 v, dc; or 6.4 kw, 115 v, dc.

PHYSICAL CHARACTERISTICS

Radio Transmitting Equipment TBA-1 measures 72 x 49 x 33-5/32 inches.