

STATUS: Standard

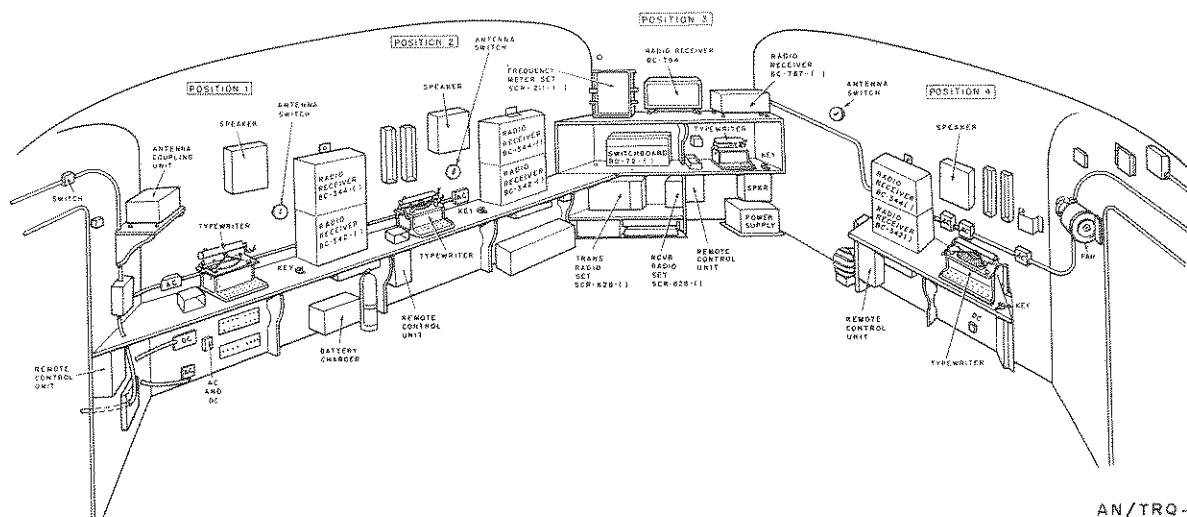
CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

DATE OF THIS SHEET: 11 Jan 52

AN/TRQ-1

RADIO CONTROL CENTRAL



AN/TRQ-1

Radio Control Central AN/TRQ-1 is a transportable control station used for monitoring intercept, and mobile communication applications in the m-f, h-f and v-h-f bands at corps and higher headquarters.

This equipment consists of radio components, telephone switching equipment, test items and accessories installed in a field type shelter which can be transported on a 2-1/2-ton 6 x 6, cargo truck. It includes necessary types of antenna equipment.

This set has four operating positions. At positions 1, 2, and 4, coverage of frequencies in the 0.15- to 18-mc range is maintained plus provision for wire communication with, and remote control of, radio transmitters located at distances up to 1 mile from the control central. Position 3, in addition, conducts communication by means of f-m radio and a 12-line switchboard, with similar control centrals.

The equipment derives its power from a trailer-drawn power unit and includes a battery charger.

AN/TRQ-1	INSTRUCTION LITERATURE: TM 11-2619
	CLASSIFICATION OF EQUIPMENT: Unclassified
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
3	Radio Receiver BC-344	10 x 9-1/16 x 18-1/16	61.5
3	Radio Receiver BC-342	10 x 9-1/16 x 18-1/16	61.5
1	Radio Receiver BC-794	10-1/2 x 15-3/8 x 19	55
1	Radio Receiver BC-787	9-5/16 x 21-1/4 x 14-1/2	78
1	Radio Receiver BC-923	11-1/2 x 12-3/4 x 6-3/4	42
1	Radio Transmitter BC-924	11-1/2 x 10-1/2 x 18	49
1	Power Unit PE-95		

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Corps and higher headquarters. APPROXIMATE RANGE (IN MILES): FM (Transmitting and Receiving) - Line of sight. AM (Receiving only) - Long.

INSTALLATION: Ground, mobile.

CAN COMMUNICATE WITH: AN/ARC-1, -2, -3, -5, -8, -9, -18, -21, -25, -28, -36; AN/ARR-15; AN/ART-2, -3, -13, -14; AN/CRC-2, -3; AN/CRT-3, -5; AN/CRM-7; AN/FRC-6, -7, -9, -10; AN/FRR-3, -4, -7, -12, -28; AN/FRT-4, -6, -15, -17, -18, -19; AN/GRC-3, -4, -5, -6, -7, -8, -9, -13, -26, -30; AN/GRR-2, -3, -5; AN/GRT-2; AN/MRC-2, -5, -6, -16, -20, -22; AN/PRC-7, -8, -9, -10, -17, -19, -20; AN/TRC-7; AN/TRQ-1; AN/SRC-3; AN/SRR-3, -8, -11, -12, -13; AN/SRT-1, -3, -4; AN/URC-4; AN/URR-10, -12, -21, -22, -23; AN/URT-2, -3, -4, -7, -10; AN/VRC-1, -2, -4, -5, -8, -9, -10, -13, -14, -15, -16, -17, -18, -20, -21, -22; AN/VRQ-1, -2, -3; AN/VRR-2, -3, -4; AN/VRT-1; BC-191, -287, -312, -314, -329, -339, -342, -344, -348, -365, -401, -447, -453, -610, -639, -640, -729, -779, -794, -1004; MAN; MAW; MBF; MBS; MW; MQ; OA-58/FRC; OA-59/FRC; OA-60/FRT; R-62/PR, -80/PR, -96/SR, -129/U, -137/GR, -203/SR, -205/U, -206/PQ, -208/FR, -209/FR, -210/U, -211/U, -212/SR, -213/SR, -215/SR, -247/URR, -274/FRR, -320/FRC, -388/URR; RAK; RAL; RAO; RAS; RBA; RBB; RBC; RBG; RBH; RBK; RBL; RBM; RBO; RBP; RBQ; RBS; RC-52, -130, -256, -257; RCF; RCG; RCH; RCK; RCO; RDE; RDF; RDM; REA; SCR-177, -188, -193, -244, -274-W, -281, -293, -294, -298, -399, -499, -506, -508, -509, -510, -522, -528, -536, -542, -543, -573, -574, -575, -585, -593, -607, -608, -609, -610, -614, -619, -624, -628, -641, -643, -644, -678, -694, -704, -808, -828; T-4/FRC, -5/FRC, -83/SR, -158/FRT, -159/FRT, -171/FR, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TAB; TAJ; TAQ; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBS; TBU; TBW; TBX; TBY; TCB; TCC; TCE; TCG; TCH; TCK; TCP; TCS; TCY; TCZ; TDD; TDE; TDF; TDG; TDH; TDK; TDN; TDO; TDQ; TDT; TEB; TEC; TEF; AR-88 (RCA); ARC Type 12; Collins 18S-4 (AF Model); Collins 32V-2, 75A-2; Fisher TS25-3; Hammarlund SP-600-JX; Marconi TH-41-B; National HRO-50; Westinghouse Type MW; Wilcox 96D, 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: Positions 1, 2, and 4: 0.15 - 18.0.
Position 3: 1.25 - 143.0; 27.0 - 38.9 (fm).

TYPE MODULATION: Positions 1, 2, and 4: Am. Position 3: Am and fm.

TYPE OF SIGNAL: Voice, tone, and cw.

POWER OUTPUT: Radio Transmitter BC-924: 30 to 35 w.

POWER REQUIREMENTS: Power Unit PE-95 (-G or-H); 10 kw, 115 v, 60 cyc ac; 12-v storage battery, 10 Batteries BA-30, and 6 Batteries BA-2.

PHYSICAL CHARACTERISTICS

Information on Radio Control Central AN/TRQ-1 not available.