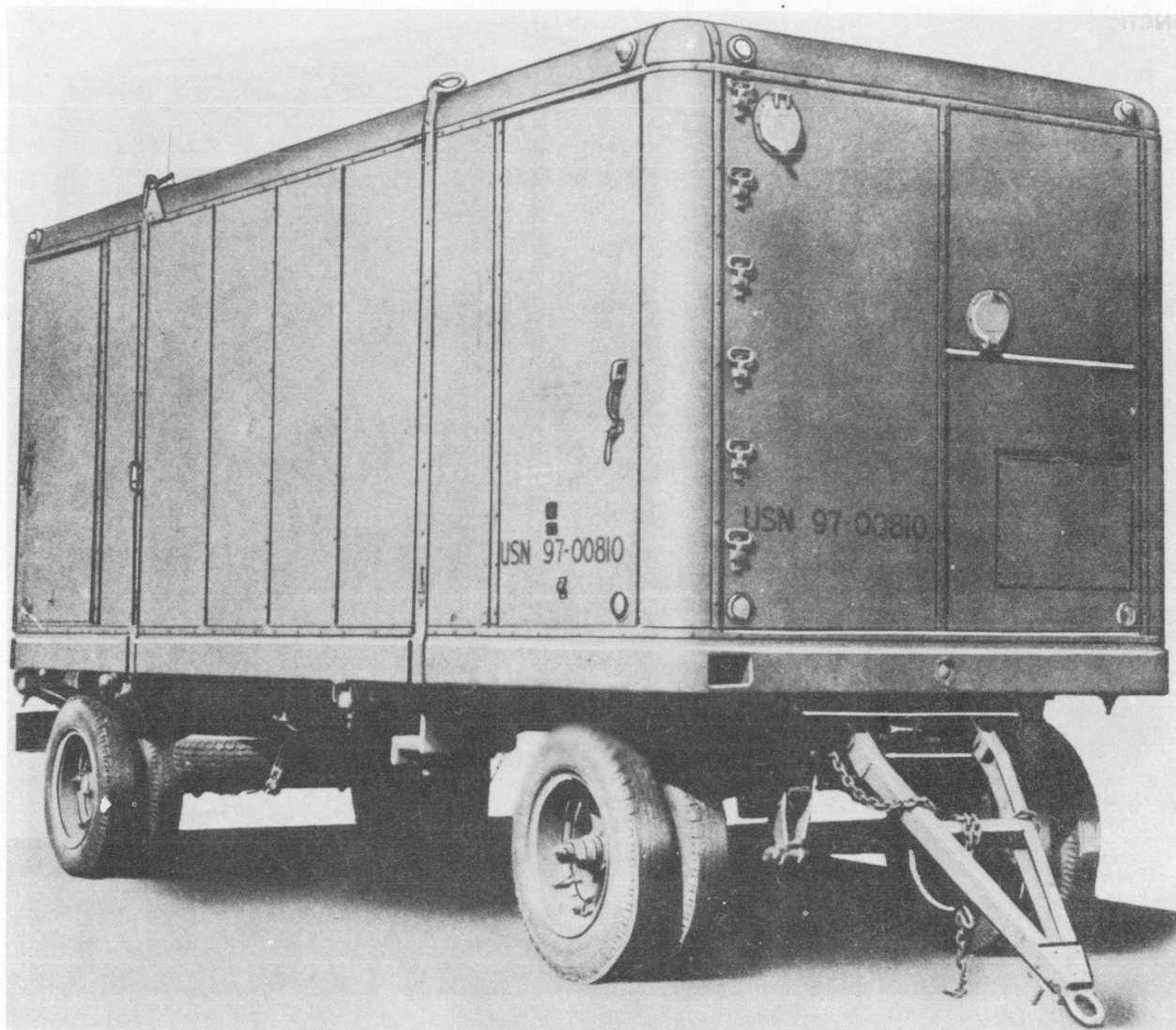
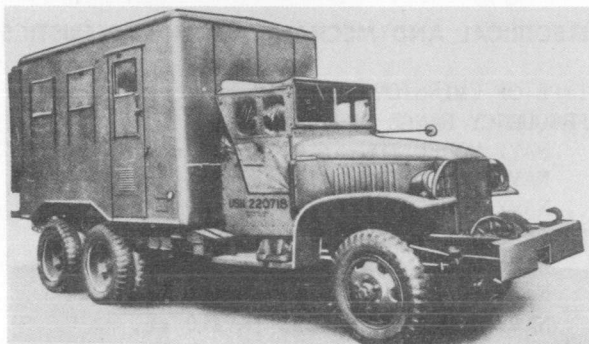
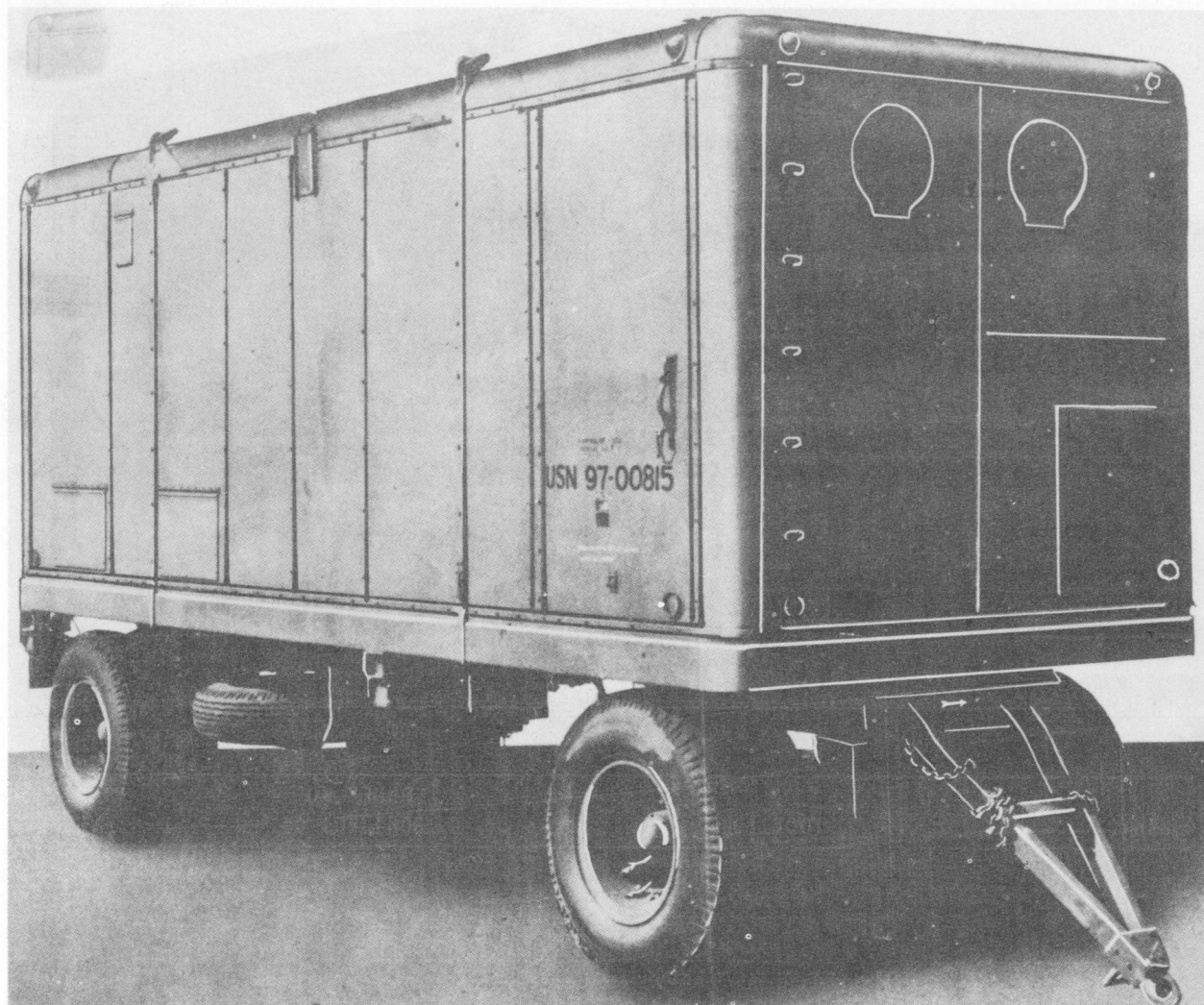


COMMUNICATION CENTRAL

AN/MSC-3

*Teletype Central AN/MGC-1**Radio Central AN/MRC-25***FUNCTIONAL DESCRIPTION**

The AN/MSC-3 is a mobile, self contained, high and low power communication station. The transmitting and receiving equipment, when used with the associated equipment is capable of providing six high powered communication channels, operating on either voice, teletype, or continuous wave (cw). Also provided are one very high frequency (vhf) channel that can operate on voice or modulated continuous wave (mcw), and one ultra high fre-



Radio Transmitter Central AN/MRT-3

quency (uhf) channel that can operate on voice teletype or modulated continuous wave (mcw). The system is capable of handling long haul, ship to shore and plane to shore circuits. It is designed as a long range, ground radio communication unit to be as mobile as possible within the limits of its application. It may be transported by rail, ship or under its own power.

No field changes in effect at time of preparation (5 September 1958).

ELECTRICAL AND MECHANICAL CHARACTERISTICS

TYPE OF EMISSION: A1, A2, A3.

FREQUENCY RANGE OF TRANSMITTERS

NAVY MODEL TDN-5: 2 to 20 mc.

NAVY MODEL TDQ: 115 to 156 mc.

NAVY MODEL TDZ: 225 to 400 mc.

FREQUENCY RANGE OF RECEIVERS

NAVY MODEL RBM-5: 0.2 to 2 mc.

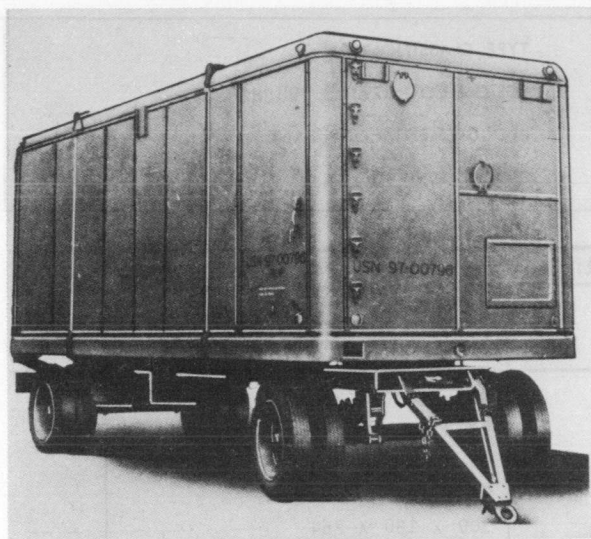
NAVY MODEL RCK: 115 to 156 mc.

NAVY MODEL RDZ: 225 to 400 mc.

PRIMARY POWER REQUIREMENTS: 115 v, 60 cps, single ph.

COMMUNICATION CENTRAL

Radio-Transceivers.
AN/MS-3



Radio Central AN/MRC-17

PRIMARY POWER SOURCE: Engine-generator sets which are part of equipments. Also, means are provided for use of any suitable source.

MANUFACTURER'S OR CONTRACTOR'S DATA

Philco Corp., Philadelphia, Pa.
Contract N189s89164, dated 15 February 1954.

TUBE AND/OR CRYSTAL COMPLEMENT

Radio Central AN/MRC-25

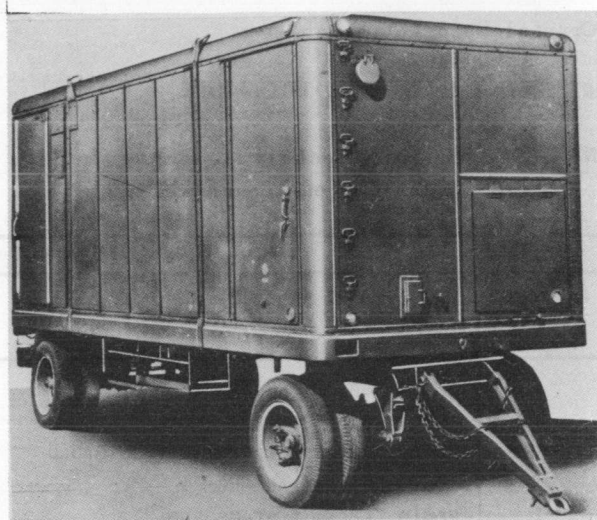
(4) 2C39	(4) 2C23	(1) 5R4GY
(2) 5U4G	(2) 5Y3GT	(15) 6AB7
(4) 6AC7	(2) 6AG7	(2) 6AK5
(2) 6AQ5	(2) 6F4	(4) 6H6
(3) 6J5	(1) 6SG7	(2) 6SK7
(2) 6SN7	(1) 6SN6W	(4) 6V6GT
(1) 6X5	(6) 12AU7	(3) 717A
(6) 807	(2) 956	(1) 9006
(1) 003/VR105	(2) 0D3/VR150-30	(4) 829B

Total Tubes: (83)

Teletypewriter Central, AN/MGC-1

(6) 6F6 (8) 223A

Total Tubes: (14)



Communication Central Office Group AN/MSA-1

Radio Transmitter Central AN/MRT-3

(1) 5R4GY	(14) 5U4G	(8) 5Y3GT
(1) 5Y3GTG	(6) 5Z3	(1) 6A7
(9) 6AC7	(1) 6AH6	(10) 6AL5
(3) 6AV6	(1) 6BA6	(1) 6BE6
(2) 6C5	(1) 6F6	(1) 6G6G
(6) 6H6	(6) 6J5	(1) 6J6
(6) 6N7GT/G	(4) 6SA7	(21) 6SH7
(13) 6SJ7	(11) 6SL7GT	(2) 6SN7
(11) 6SN7GT	(1) 6SS7	(1) 6V6
(19) 6V6GTG	(1) 6X5	(10) 6X5GT
(4) 12A6	(2) 12AH7GT	(1) 12AX7
(1) 12C8		

Total Tubes: (181)

Radio Central AN/MRC-17

(3) 0A2	(2) 1Z2	(2) 2BP1
(2) 5U4G	(8) 5Y3GT	(1) 6A7
(2) 6AC7	(16) 6AL5W	(8) 6AQ5
(1) 6F6	(1) 6G6	(1) 6SL7GT
(9) 6SN7GT	(1) 6SS7	(5) 6V6GT/G
(4) 6X4	(3) 6X5	(6) 12A6
(1) 12AH7	(13) 12AU7	(10) 12AX7
(1) 12C8	(6) 12H6	(1) 12J5
(14) 12SG7	(9) 12SJ7	(4) 12SK7
(1) 25L6	(1) 25Z5	(1) 76
(1) 77	(1) 84	(2) 223B
(2) 816	(1) 829	(2) 832
(3) 991	(1) 9002	(3) 9003

Total Tubes: (154)

April 1959

AN/MSC-3

COMMUNICATION CENTRAL

Crystal Data unavailable.

REFERENCE DATA AND LITERATURE

NAVSHIPS 92158: Technical Manual for AN/
MSC-3 Communications Central.

TYPE CLASSIFICATION

DESIGN COGNIZANCE BUSHIPS

PROCUREMENT COGNIZANCE

STOCK NO.

EQUIPMENT SUPPLIED DATA

QUANTITY PER EQUIP	NAME AND NOMENCLATURE	OVERALL DIMENSIONS (inches)	WEIGHT (lbs.)
1	Radio Central AN/MRC-17	97 X 110 X 247	
1	Teletype Central AN/MGC-1	97 X 110 X 247	
1	Communication Central Office Group	95 X 109 X 245	
1	Radio Central AN/MRC-25	93 X 101 X 259	
1	Radio Transmitter Central AN/MRT-3	100 X 130 X 264	