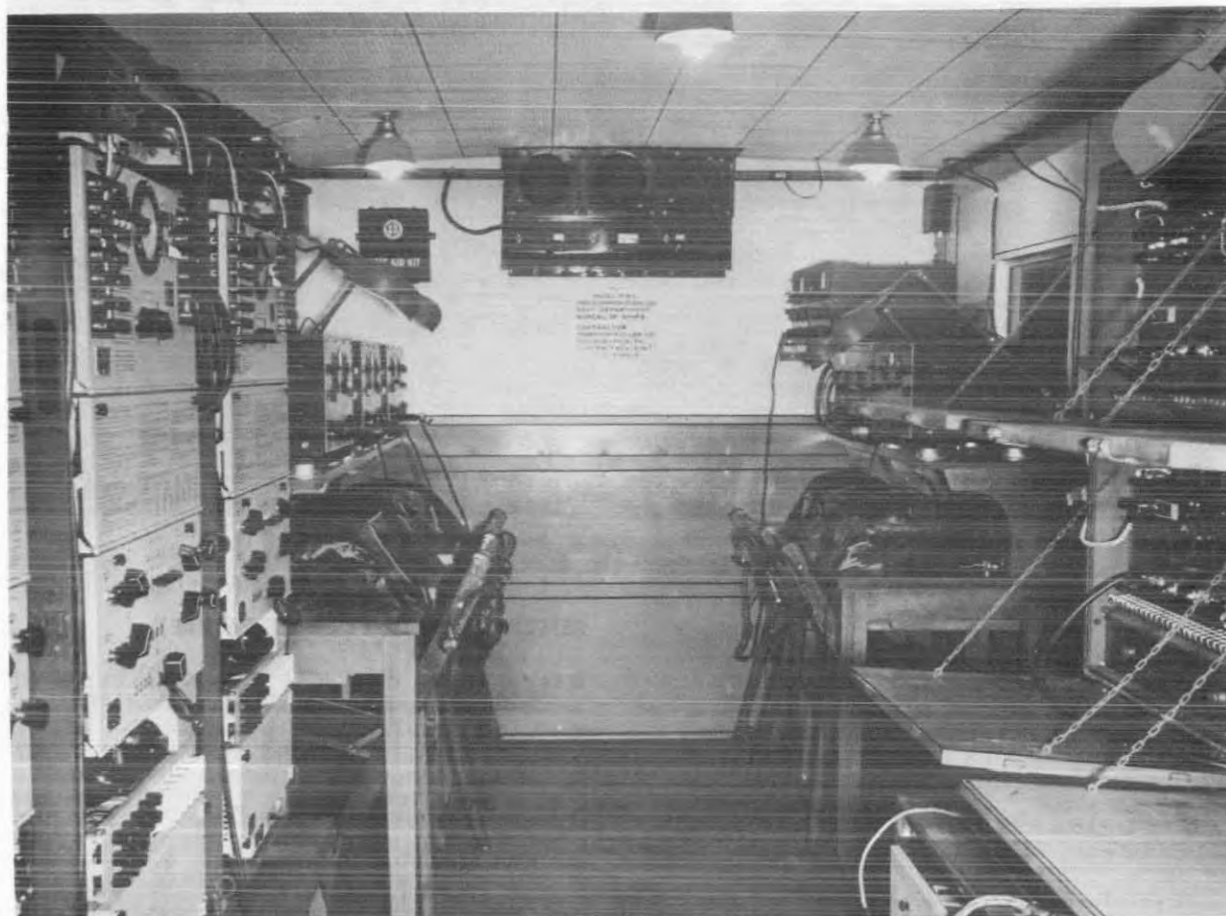


April 1959

MOBILE COMMUNICATION UNIT

MBL



Interior, Model MBL Mobile Communication Unit

FUNCTIONAL DESCRIPTION

The Navy Model MBL Mobile Unit design and construction does not afford mobile operation in the common sense of the word. The unit is primarily a package on wheels containing all the components of a receiving station with the additional features of a very high frequency (vhf) radio link multi-audio tone system, voice recording, and a sound-proofed program studio for rebroadcasting.

No field changes in effect at time of preparation (17 September 1958).

ELECTRICAL AND MECHANICAL CHARACTERISTICS

FREQUENCY RANGE

RECEPTION

AM SIGNALS: 200 kc to 31 mc.

FM SIGNALS: 70 to 100 mc.

TRANSMISSION: 70 to 100 mc.

EMISSION RECEIVED: A1, A2, A3.

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

MANUFACTURER'S OR CONTRACTOR'S DATA

Thornton-Fuller Co., Philadelphia, Pa.
Contract NXsa-83417 dated 9 November 1944.

TUBE AND/OR CRYSTAL COMPLEMENT

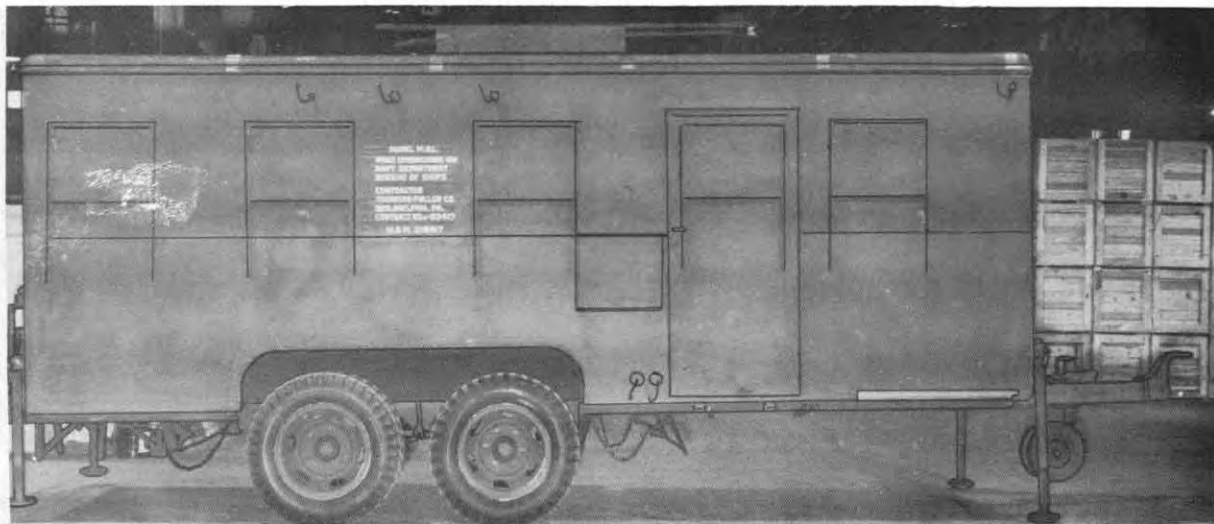
(6) OC3

(6) 5U4G

UNCLASSIFIED

1.7 MBL: 1

MOBILE COMMUNICATION UNIT



Mobile Communication Unit

(6) 6K8	(54) 6SJ7
(8) 6H6	(6) 6C5
(11) 6V6GT/G	(24) 6SK7
(5) 6AC7	(2) 6SL7GT
(2) 6SN7GT	(7) 6SH7
(2) 6X5GT/G	(1) 829B
(2) 12A6	(4) 12H6
(7) 12SG7	(6) 12SJ7
(3) 12SK7	(8) 394A

Total Tubes: (170)

Crystals unavailable.

REFERENCE DATA AND LITERATURE

Descriptive Material for Navy Model MBL
Mobile Communication Unit NAVSHIPS 95133.

TYPE CLASSIFICATION

DESIGN COGNIZANCE BUSHIPS

PROCUREMENT COGNIZANCE

STOCK NO.

EQUIPMENT SUPPLIED DATA

QUANTITY PER EQUIPT	NAME AND NOMENCLATURE	OVERALL DIMENSIONS (inches)	WEIGHT (lbs.)
1	Trailer, Signal Corps K-35	106 X 123-1/2 X 314-1/2	15000
2	Line Amplifier		
1	Control Switchboard		
1	Voice Recording Equipment NT-PE-1		
1	Radio Receiver Assembly Navy Model RBM C/O: Medium Frequency Receiver NT-46076	9-3/4 X 12-7/16 X 17-7/16	31
	High Frequency Receiver NT-46077	9-3/4 X 12-7/16 X 17-7/16	31
6	Radio Receiver Navy Model RBG including:	12-3/16 X 14-1/16 X 18-15/16	62
6	Loudspeaker NT-49152	7-5/16 X 9-3/8 X 10-3/16	12
5	Telegraphic Typewriter		
5	Hand Telegraph Key		
3	Feld Telephone Type EE-8	5-1/2 X 11-1/4 X 14-1/2	
3	Radio Transmitter NT-T-14/TRC-1	10-3/4 X 12-3/4 X 19-1/8	66
1	Radio Receiver NT-R-19/TRC-1	8 X 12-3/4 X 19-1/8	43
6	Headset, High Impedance		
3	Headset, Low Impedance		

April 1959

MOBILE COMMUNICATION UNIT

MBL

EQUIPMENT SUPPLIED DATA			
QUANTITY PER EQUIPT	NAME AND NOMENCLATURE	OVERALL DIMENSIONS (inches)	WEIGHT (lbs.)
4	Line Terminal Equipment Navy Model UG	17-1/8 X 24-1/4 X 49-1/2	373
2	Line Terminal Equipment Navy Model UH	17-1/8 X 23-7/8 X 24-1/4	163
1	Frequency Meter Navy Model LM-15		
	Complete Set Spare Parts and Accessories		
2	Antenna Assembly AS-19/TRC-1		