

RADIO SET AN/SRC-13, -13X, -13Y, -14,
-14X, -14Y, -15, -15X, -15Y

Cognizant Serv: USN FSN:

USA

USN

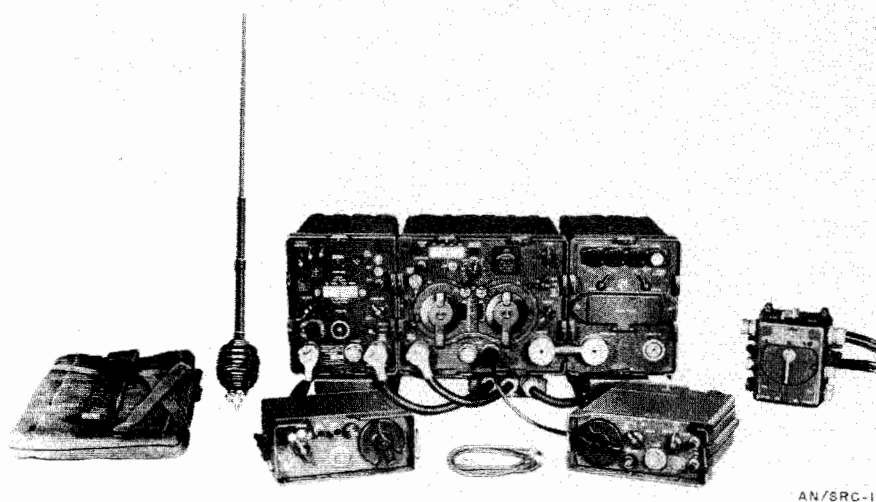
USAF

TYPE CLASS:
STOCK NO:

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Used by
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AN/SRC-13

FUNCTIONAL DESCRIPTION:

Radio Sets AN/SRC-13, AN/SRC-13X, AN/SRC-13Y, AN/SRC-14, AN/SRC-14X, AN/SRC-14Y, AN/SRC-15, AN/SRC-15X, and AN/SRC-15Y are designed to provide frequency modulated radiotelephone facilities within the frequency range of 20 to 55 megacycles. Each receiver-transmitter covers a specific portion of the over-all frequency range.

These equipments can be installed and operated in trucks, personnel carriers, armored utility vehicles, weapon carriers, and other authorized vehicles.

The radio sets are primarily intended for short range operation and are shipboard installed for amphibious communications.

Radio Sets AN/SRC-13, AN/SRC-13X, AN/SRC-13Y, AN/SRC-14, AN/SRC-14X, AN/SRC-14Y, AN/SRC-15, AN/SRC-15X, and AN/SRC-15Y is nomenclature that has been assigned to identify the United States Navy equivalent to United States Army Radio Sets AN/VRC-16, AN/VRC-17, and AN/VRC-18.

TECHNICAL CHARACTERISTICS:

Frequency Range in Mc:

AN/SRC-13, -13X, -13Y:

RT-66/GRC: 20 to 27.9

R-108/GRC: 20 to 28
AN/SRC-14, -14X, -14Y:
RT-67/GRC: 27 to 38.9
R-109/GRC: 27 to 39
AN/SRC-15, -15X, -15Y:
RT-68/GRC: 38 to 54.9
R-110/GRC: 38 to 55

Type of Emission and Reception: Voice and 1,600 cps fm signals

Type of Tuning:

RT-66/GRC: Continuous or choice of 80 detented channels with provisions for presetting any 2 channels.

RT-67/GRC: Continuous or choice of 120 detented channels with provisions for presetting any 2 channels

RT-68/GRC: Continuous or choice of 170 detented channels with provisions for presetting any 2 channels

R-108/GRC, R-109/GRC, R-110/GRC: Continuous tuning with detent provisions for preselection of any 3 frequencies

Operational Range: 10 to 15 miles

Type of Receivers: Double conversion superheterodyne

Sensitivity of Receivers: 30 db signal plus noise-to-noise ratio with 1/2 uv input signal

AN/SRC-13, -13X, -13Y, -14, RADIO SET -14X, -14Y, -15, -15X, -15Y

Microphone Input Impedance: 150 ohms

Audio Output Impedance: 600 ohms at all audio output terminals

Power Output:

Transmitter:

High: 16 w

Low: 2 w (approximate)

Receivers (Each): 1 w into 600 ohm speakers, 50 mw into 600 ohm phones. (A third output of approximately 30 mw at fixed-level output is not used.)

Power Requirements:

AN/SRC-13, -14, -15: 24 v dc

AN/SRC-13X, -14X, -15X: 12 v dc

AN/SRC-13Y, -14Y, -15Y: 115-v 60-cycle 1-phase ac

MAJOR COMPONENTS

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (Inches)	WEIGHT (Lbs)
<i>For Radio Set AN/SRC-13:</i>				
2	Antenna Assembly AN/SRA-3			
1	Control Adapter MX-1583/SRC			
1*	Handset H-33/PT	-----	2-1/16 x 3 x 3	2
1	Mounting MT-327/GRC	-----	4 x 13 x 20	28
1	Power Supply PP-112/GR	-----	8 x 9 x 13	33
1	Power Supply PP-282/GRC	-----	3 x 4-1/2 x 6	6
1	Radio Receiver R-108/GRC	-----	7-1/4 x 9 x 13	35
1	Receiver-Transmitter RT-66/GRC	-----	9 x 11-1/4 x 13	35
1	Special Purpose Cable Assembly CX-1211/U			
<i>For Radio Set AN/SRC-13X:</i>				
2	Antenna Assembly AN/SRA-3			
1	Control Adapter MX-1583/SRC			
1*	Handset H-33/PT	-----	2-1/16 x 3 x 3	2
1	Mounting MT-327/GRC	-----	4 x 13 x 20	28
1	Power Supply PP-109/GR	-----	8 x 9 x 13	33
1	Power Supply PP-281/GRC	-----	3 x 4-1/2 x 6	6
1	Radio Receiver R-108/GRC	-----	7-1/4 x 9 x 13	35
1	Receiver-Transmitter RT-66/GRC	-----	9 x 11-1/4 x 13	35
1	Special Purpose Cable Assembly CX-1211/U			.4
<i>For Radio Set AN/SRC-13Y:</i>				
2	Antenna Assembly AN/SRA-3			
1	Control Adapter MX-1986/SRC			
1*	Handset H-33/PT	-----	2-1/16 x 3 x 3	2
1	Mounting MT-327/GRC	-----	4 x 13 x 20	28
1	Power Supply PP-1175/SR	-----	7-5/16 x 9-1/4 x 12-7/8	
1	Radio Receiver R-108/GRC	-----	7-1/4 x 9 x 13	35
1	Receiver-Transmitter RT-66/GRC	-----	9 x 11-1/4 x 13	35

RADIO SET AN/SRC-13, -13X, -13Y, -14,
-14X, -14Y, -15, -15X, -15Y

MAJOR COMPONENTS—Continued

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (Inches)	WEIGHT (Lbs)
1	Special Purpose Cable Assembly CX-1211/U	-----	-----	.4
	<i>For Radio Set AN/SRC-14:</i>			
2	Antenna Assembly AN/SRA-3	-----	-----	
1	Control Adapter MX-1583/SRC	-----	-----	
1*	Handset H-33/PT	-----	2-1/16 x 3 x 3	2
1	Mounting MT-327/GRC	-----	4 x 13 x 20	28
1	Power Supply PP-112/GR	-----	8 x 9 x 13	33
1	Power Supply PP-282/GRC	-----	3 x 4-1/2 x 6	6
1	Radio Receiver R-109/GRC	-----	7-1/4 x 9 x 13	35
1	Receiver-Transmitter RT-67/GRC	-----	9 x 11-1/4 x 13	35
1	Special Purpose Cable Assembly CX-1211/U	-----	-----	.4
	<i>For Radio Set AN/SRC-14X:</i>			
2	Antenna Assembly AN/SRA-3	-----	-----	
1	Control Adapter MX-1583/SRC	-----	-----	
1*	Handset H-33/PT	-----	2-1/16 x 3 x 3	2
1	Mounting MT-327/GRC	-----	4 x 13 x 20	28
1	Power Supply PP-109/GR	-----	8 x 9 x 13	33
1	Power Supply PP-281/GRC	-----	3 x 4-1/2 x 6	6
1	Radio Receiver R-109/GRC	-----	7-1/4 x 9 x 13	35
1	Receiver-Transmitter RT-67/GRC	-----	9 x 11-1/4 x 13	35
1	Special Purpose Cable Assembly CX-1211/U	-----	-----	.4
	<i>For Radio Set AN/SRC-14Y:</i>			
2	Antenna Assembly AN/SRA-3	-----	-----	
1	Control Adapter MX-1986/SRC	-----	-----	
1*	Handset H-33/PT	-----	2-1/16 x 3 x 3	2
1	Mounting MT-327/GRC	-----	4 x 13 x 20	28
1	Power Supply PP-1175/SR	-----	7-5/16 x 9-1/4 x 12-7/8	
1	Radio Receiver R-109/GRC	-----	7-1/4 x 9 x 13	35
1	Receiver-Transmitter RT-67/GRC	-----	9 x 11-1/4 x 13	35
1	Special Purpose Cable Assembly CX-1211/U	-----	-----	.4
	<i>For Radio Set AN/SRC-15:</i>			
2	Antenna Assembly AN/SRA-3	-----	-----	

AN/SRC-13, -13X, -13Y, -14, RADIO SET
-14X, -14Y, -15, -15X, -15Y

MAJOR COMPONENTS—Continued

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (Inches)	WEIGHT (Lbs)
1	Control Adapter MX-1583/ SRC			
1*	Handset H-33()/PT		2-1/16 x 3 x 3	2
1	Mounting MT-327/GR		4 x 13 x 20	28
1	Power Supply PP-112/GR		8 x 9 x 13	33
1	Power Supply PP-282/GRC		3 x 4-1/2 x 6	6
1	Radio Receiver R-110/GRC		7-1/4 x 9 x 12-13/16	20.25
1	Receiver-Transmitter RT- 68/GRC		9 x 11-1/4 x 13	35
1	Special Purpose Cable As- sembly CX-1211/U			.4
<i>For Radio Set AN/SRC-15X:</i>				
2	Antenna Assembly AN/ SRA-3			
1	Control Adapter MX-1583/ SRC			
1*	Handset H-33()/PT		2-1/16 x 3 x 3	2
1	Mounting MT-327/GR		4 x 13 x 20	28
1	Power Supply PP-109/GR		8 x 9 x 13	33
1	Power Supply PP-281/GRC		3 x 4-1/2 x 6	6
1	Radio Receiver R-110/GRC		7-1/4 x 9 x 12-13/16	20.25
1	Receiver-Transmitter RT- 68/GRC		9 x 11-1/4 x 13	35
1	Special Purpose Cable As- sembly CX-1211/U			.4
<i>For Radio Set AN/SRC-15Y:</i>				
2	Antenna Assembly AN/ SRA-3			
1	Control Adapter MX-1986/ SRC			
1*	Handset H-33()/PT		2-1/16 x 3 x 3	2
1	Mounting MT-327/GR		4 x 13 x 20	28
1	Power Supply PP-1175/SR		7-5/16 x 9-1/4 x 12-7/8	
1	Radio Receiver R-110/GRC		7-1/4 x 9 x 12-13/16	20.25
1	Receiver-Transmitter R- 68/GRC		9 x 11-1/4 x 13	35
1	Special Purpose Cable As- sembly CX-1211/U			.4

* One additional Handset H-33()/PT should be supplied for each control box installed.

RADIO SET **AN/SRC-13, -13X, -13Y, -14,
-14X, -14Y, -15, -15X, -15Y**

REFERENCE DATA AND LITERATURE:

TM 11-611; BuShips Ltr S67/1-7 Ser 881E-1-3528, 1 September 1955

SHIPPING DATA

PKGS	VOLUME (Cu Ft)	WEIGHT (Lbs)
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PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC &/or DWG:

DESIGN COG: USA, Sig C

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX UNIT COST
JFD Manufacturing Co.	Brooklyn, N. Y.	DA-36-039-SC-12166, 31 October 1951	
Signal Corps Supply Agency	Philadelphia, Pa.	MIPR-800-39141, 29 September 1952	



RADIO TRANSMITTING AND RECEIVING EQUIPMENT **AN/SRC-type**

3 December 1958

Cognizant Serv: USN FSN: 5820-665-3823

MAC

	USA	USN	USAF
TYPE CLASS:	--	--	--
STOCK NO:	--	--	--

(No Illustration Available)

FUNCTIONAL DESCRIPTION:

Radio Transmitting and Receiving Equipment MAC is designed for operation on board naval vessels, such as mine-sweepers, to provide coordinated control of minesweeping equipment on cooperating boats. It has been designed for remote control and unattended operation.

A frequency-modulated short-range radio circuit is provided on which two tone signals may be impressed alternately to operate separate control relays at the receiving points. Means

is provided to limit the effective range to as low as 1,000 yards for security reasons.

TECHNICAL CHARACTERISTICS:*Frequency Range in Mc:* 30 to 42*Type Modulation:* FM*Type of Signal:* Tone*Transmitter Power Output:* 0.01 to 2 w (adjustable)*Transmitter Output Impedance:* 30 to 100 ohms into concentric transmission line*Power Requirements:* 80 w, 115-v 60- to 60-cycle 1-phase ac**MAJOR COMPONENTS**

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (Inches)	WEIGHT (Lbs)
1	Antenna Assembly 66044	-----	4 x 4 x 78	3
1	Coaxial antenna cable	-----	100 feet long	11
1	Control cable with Plugs	-----	75 feet long	18
1	Power cable with Plugs	-----	10 feet long	1.5
1	Radio Transmitter-Receiver Unit 43052	-----	9 x 11-11/16 x 16	38
1	Remote Control Unit 23397	-----	3-1/8 x 4-1/2 x 5	4.5
1	Test Meter, Link Type 1410	-----		5

REFERENCE DATA AND LITERATURE:

NAVSHIPS 95122

SHIPPING DATA

PKGS	VOLUME (Cu Ft)	WEIGHT (Lbs)

AN/SRC-type RADIO TRANSMITTING AND RECEIVING EQUIPMENT

PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC &/or DWG:

DESIGN COG: USN, BuShips

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX UNIT COST
Fred M. Link	New York, N. Y.	NXss 32846	\$140.00

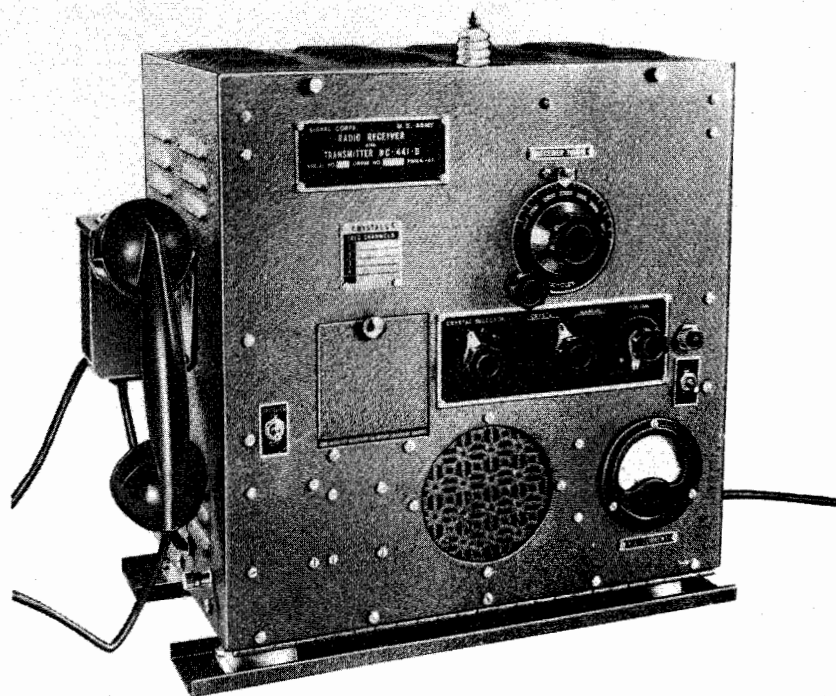
RADIO SET **AN/SRC-type**

1 July 1958

Cognizant Serv: USA FSN: 5820-186-9257

SCR-28-()

	USA	USN	USAF
TYPE CLASS:	L/Std	--	L/Std
STOCK NO:	2S281	--	--



SCR-281

FUNCTIONAL DESCRIPTION:

Radio Set SCR-281-() is a medium-power, crystal-controlled AM (voice) transmitting and receiving equipment used for ship-to-ship, ship-to-shore, and shore station communication in coastwise and harbor-control applications.

This equipment consists of a radio transmitter and a radio receiver assembled within a single metal cabinet that may be floor-, deck-, shelf-, or platform-mounted. It has a shock mounting and a handset, and the receiver section includes a loudspeaker.

It can be operated on one of four channels, preselected by means of appropriate plug-in crystals, and includes provision for control of transmitter-receiver change-over by means of the press-to-talk switch of the handset.

It can use a conventional long-wire antenna or equivalent system but it can be operated with a whip-type array 35 feet in length.

TECHNICAL CHARACTERISTICS:

Frequency Range in Mc: 1.7 to 2.75

Type Modulation: AM

Type of Signal: Voice only

Power Output: 25 w

Power Requirements:

Transmitter: 230 w, 115-v 60-cycle 1-phase ac

Receiver: 107 w, 115-v 60-cycle 1-phase ac

MIL-HDBK-161

AN/SRC-type RADIO SET

MAJOR COMPONENTS

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (Inches)	WEIGHT (Lbs)
		(USA)		
1	Radio Receiver and Transmitter BC-441	2C5341	16 x 10 x 16	102
2	Shockproof mounting bracket	-----	1-1/2 x 2-1/2 x 17-7/8	4

REFERENCE DATA AND LITERATURE:

TM 11-244.

SHIPPING DATA

PKGS	VOLUME (Cu Ft)	WEIGHT (Lbs)
	6	143

PROCUREMENT DATA

PROCURING SERVICE: USA
SPEC &/or DWG: (USA) 71-3402

DESIGN COG: USA, Sig C

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX UNIT COST
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RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT AN/SRC-type

5 December 1958

Cognizant Serv: USN FSN:

TCP

USA

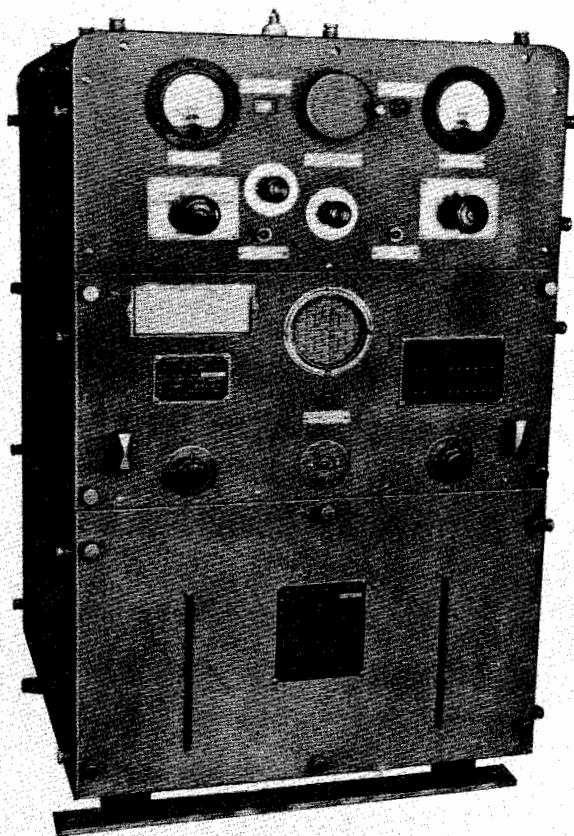
USN

USAF

TYPE CLASS: --

STOCK NO: --

Used by

(32-v dc): F16-Q-
323895-200(115-v dc): F16-Q-
323905-200

FUNCTIONAL DESCRIPTION:

Radio Telephone Transmitting and Receiving Equipment TCP, TCP-1, -2, and -3 are designed for two-way radio telephone communication at medium frequency between ships, and between ships and associated shore activities. Each transmitter-receiver is capable of operation from several types of power supplies, depending upon the type of installation desired.

All models of the TCP series are similar except for minor modifications on the later models and the alternating current power supply equipment available with the TCP-3.

TECHNICAL CHARACTERISTICS:

Frequency Range:

Transmitter: 2,000 to 3,000 kc, 10 preset channels maximum

Receiver: 2,000 to 3,000 kc, 10 preset channels maximum

Frequency Control: Crystal

Type Signal: Voice

Nominal Power Output: 75 w

Type Receiver: Superheterodyne

Receiver Output Impedance: 4 ohms, 200 ohms

Receiver Sensitivity: 50 mw audio output for 2 to 5 uv input

Power Requirements: 32/115-v dc

TCP

AN/SRC-type RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT**MAJOR COMPONENTS**

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (Inches)	WEIGHT (Lbs)
1	Hand Telephone Assembly CRM-51026	.....	9 x 3-1/2 x 6-1/4	4
1	Line Filter Unit CRM-53076 (32-v dc)	.....	10 x 6-1/2 x 6	6
	or			
1	Line Filter Unit CRM-53077 (115-v dc)	.....	10 x 6-1/2 x 6	6
2	Remote control cable			
1	Remote Control Unit CRM- 23230	.....	10-1/4 x 13-5/8 x 5-3/8	11
1	Transmitter-Receiver Unit CRM-43009 (32-v dc)	.....	37 x 20-1/8 x 22	310
	or			
1	Transmitter-Receiver Unit CRM-43010 (115-v dc)	.....	37 x 20-1/8 x 22	310

REFERENCE DATA AND LITERATURE:

NAVSHIPS 95316

SHIPPING DATA

PKGS	VOLUME (Cu Ft)	WEIGHT (Lbs)
2	40.0	578

PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC & /or DWG:

DESIGN COG: USN, BuShips

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX UNIT COST
Radiomarine Corp. of America	New York, N. Y.	NOs-81903, 12 February 1941	\$2,200.00 in- cluding equip- ment spares

RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT **AN/SRC-type**

5 December 1958

Cognizant Serv: USN FSN:

TCP-1

USA

USN

USAF

TYPE CLASS:

STOCK NO:

Used by

(32-v dc): F16-Q-
323925-200(115-v dc): F16-Q-
323935-200

(See Illustration of TCP, p. 1205)

FUNCTIONAL DESCRIPTION:

Radio Telephone Transmitting and Receiving Equipment TCP-1 and TCP, -2, and -3 are designed for two-way radio telephone communication at medium frequency between ships, and between ships and associated shore activities. Each transmitter-receiver is capable of operation from several types of power supplies, depending upon the type of installation desired.

All models of the TCP series are similar except for minor modifications on the later models and the alternating current power supply equipment available with the TCP-3.

TECHNICAL CHARACTERISTICS:

Frequency Range:

Transmitter: 2,000 to 3,000 kc, 10 preset channels maximum

Receiver: 2,000 to 3,000 kc, 10 preset channels maximum

Frequency Control: Crystal*Type Signal:* Voice*Nominal Power Output:* 75 w*Type Receiver:* Superheterodyne*Receiver Output Impedance:* 4 ohms, 200 ohms*Receiver Sensitivity:* 50 mw audio output for 2 to 5 uv input*Power Requirements:* 32/115-v dc

MAJOR COMPONENTS

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (Inches)	WEIGHT (Lbs)
1	Hand Telephone Assembly CRM-51026	-----	9 x 3-1/2 x 6-1/4	4
1	Line Filter Unit CRM-53085 (32-v dc)	-----	10-9/16 x 9-3/8 x 3-5/8	9
	or			
1	Line Filter Unit CRM-53086 (115-v dc)	-----	10-9/16 x 9-3/8 x 3-5/8	9
2	Remote control cable			
1	Remote Control Unit CRM- 23230	-----	10-1/4 x 13-5/8 x 5-3/8	11
1	Transmitter-Receiver Unit CRM-43009 (32-v dc)	-----	37 x 20-1/8 x 22	310
	or			
1	Transmitter-Receiver Unit CRM-43010 (115-v dc)	-----	37 x 20-1/8 x 22	310

MIL-HDBK-161

AN/SRC-type RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT

REFERENCE DATA AND LITERATURE:

NAVSHIPS 95316

SHIPPING DATA

PKGS	VOLUME (Cu Ft)	WEIGHT (Lbs)
2	40.0	578

PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC &/or DWG:

DESIGN COG: USN, BuShips

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX UNIT COST
Radiomarine Corp. of America	New York, N. Y.	NOs-87455, 18 June 1941	\$2,200.00 including equipment spares

RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT **AN/SRC-type**

5 December 1958

Cognizant Serv: USN FSN:

TCP-2

	USA	USN	USAF
TYPE CLASS:	--	Used by	--
STOCK NO:	--	(32-v dc): F16-Q- 323955-200 (Navy)	--
		(115-v dc): F16-Q- 323965-200 (Navy)	

(See Illustration of TCP, p. 1205)

FUNCTIONAL DESCRIPTION:

Radio Telephone Transmitting and Receiving Equipment TCP-2 and TCP, -1 and -3 are designed for two-way radio telephone communication at medium frequency between ships, and between ships and associated shore activities. Each transmitter-receiver is capable of operation from several types of power supplies, depending upon the type of installation desired.

All models of the TCP series are similar except for minor modifications on the later models and the alternating current power supply equipment available with the TCP-3.

TECHNICAL CHARACTERISTICS:*Frequency Range:*

Transmitter: 2,000 to 3,000 kc, 10 preset channels maximum

Receiver: 2,000 to 3,000 kc, 10 preset channels maximum

Frequency Control: Crystal*Type Signal:* Voice*Nominal Power Output:* 75 w*Type Receiver:* Superheterodyne*Receiver Output Impedance:* 4 ohms, 200 ohms*Receiver Sensitivity:* 50 mw audio output for 2 to 5 uv input*Power Requirements:* 32/115-v dc**MAJOR COMPONENTS**

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (Inches)	WEIGHT (Lbs)
1	Hand Telephone Assembly	-----	9 x 3-1/2 x 6-1/4	4
	CRM-51026			
1	Line Filter Unit CRM-53085	-----	10-9/16 x 9-3/8 x 3-5/8	9
	(32-v dc)			
	or			
1	Line Filter Unit CRM-53086	-----	10-9/16 x 9-3/8 x 3-5/8	9
	(115-v dc)			
1	Remote control cable	-----		
1	Remote Control Unit CRM-	-----	10-1/4 x 13-5/8 x 5-3/8	11
	23230			
1	Transmitter-Receiver Unit	-----	37 x 20-1/8 x 22	310
	CRM-43009-A (32-v dc)			
	or			
1	Transmitter-Receiver Unit	-----	37 x 20-1/8 x 22	310
	CRM-43010-A (115-v dc)			

AN/SRC-type RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT

REFERENCE DATA AND LITERATURE:
NAVSHIPS 95317

SHIPPING DATA

PKGS	VOLUME (Cu Ft)	WEIGHT (Lbs)
2	40.0	578

PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC &/or DWG:

DESIGN COG: USN, BuShips

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX UNIT COST
Radiomarine Corp. of America	New York, N. Y.	NXsr-36947, 6 September 1943	\$2,200.00 including equipment spares

RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT **AN/SRC-type**

5 December 1958

Cognizant Serv: USN FSN:

TCP-3

USA

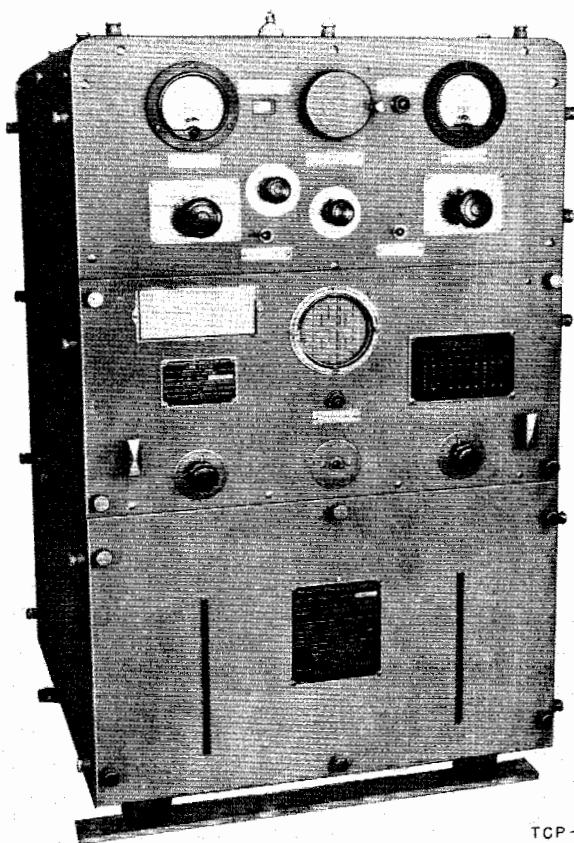
USN

USAF

TYPE CLASS:

STOCK NO:

Used by

(115-v dc): F16-Q-
323975-200 (Navy)(230-v dc): F16-Q-
323976-200 (Navy)

TCP-3

FUNCTIONAL DESCRIPTION:

Radio Telephone Transmitting and Receiving Equipment TCP-3 and TCP, -1, and -2 are designed for two-way radio telephone communication at medium frequency between ships, and between ships and associated shore activities. Each transmitter-receiver is capable of operation from several types of power supplies, depending upon the type of installation desired.

All models of the TCP series are similar except for minor modifications on the later models and on this, the TCP-3, the alternating current power supply equipment that is available.

TECHNICAL CHARACTERISTICS:*Frequency Range:*

Transmitter: 2,000 to 3,000 kc, 10 preset channels maximum

Receiver: 2,000 to 3,000 kc, 10 preset channels maximum

Frequency Control: Crystal*Type Signal:* Voice*Nominal Power Output:* 75 w*Type Receiver:* Superheterodyne*Receiver Output Impedance:* 4 ohms, 200 ohms*Receiver Sensitivity:* 50 mw audio output for 2 to 5 uv input*Power Requirements:* 32/115/230-v dc; or 115-v 50-60-cycle
1-phase ac**MAJOR COMPONENTS**

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (Inches)	WEIGHT (Lbs)
1	Hand Telephone Assembly CRM-51026	-----	9 x 3-1/2 x 6-1/4	4
1	Line Filter Unit CRM-53085 (32-v dc)	-----	10-9/16 x 9-3/8 x 3-5/8	9

AN/SRC-type RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT**MAJOR COMPONENTS—Continued**

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (Inches)	WEIGHT (Lbs)
	or			
1	Line Filter Unit CRM-53086 (115-v dc)	-----	10-9/16 x 9-3/8 x 3-5/8	9
	or			
1	Line Filter Unit CRM-53192 (230-v dc)			
1	Remote control cable			
1	Remote Control Unit CRM- 23230	-----	10-1/4 x 13-5/8 x 5-3/8	11
1	Transmitter-Receiver Unit CRM-43009-A (32-v dc)	-----	37 x 20-1/8 x 22	310
	or			
1	Transmitter-Receiver Unit CRM-43010-A (115-v dc)	-----	37 x 20-1/8 x 22	310
	or			
1	Transmitter-Receiver Unit CRM-43061 (230-v dc)	-----	37 x 20-1/8 x 22	310
	or			
1	Transmitter-Receiver Unit CRM-43062 (115-v 50-60- cycle 1-phase ac)	-----	37 x 20-1/8 x 22	310

REFERENCE DATA AND LITERATURE:

NAVSHIPS 95318

SHIPPING DATA

PKGS	VOLUME (Cu Ft)	WEIGHT (Lbs)
2	40.0	578

RADIO TELEPHONE TRANSMITTING AND RECEIVING EQUIPMENT **AN/SRC-type**

PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC &/or DWG:

DESIGN COG: USN, BuShips

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX UNIT COST
Radiomarine Corp. of America	New York, N. Y.	NXsr-55686, 19 April 1944	\$2,200.00 including equipment spares

