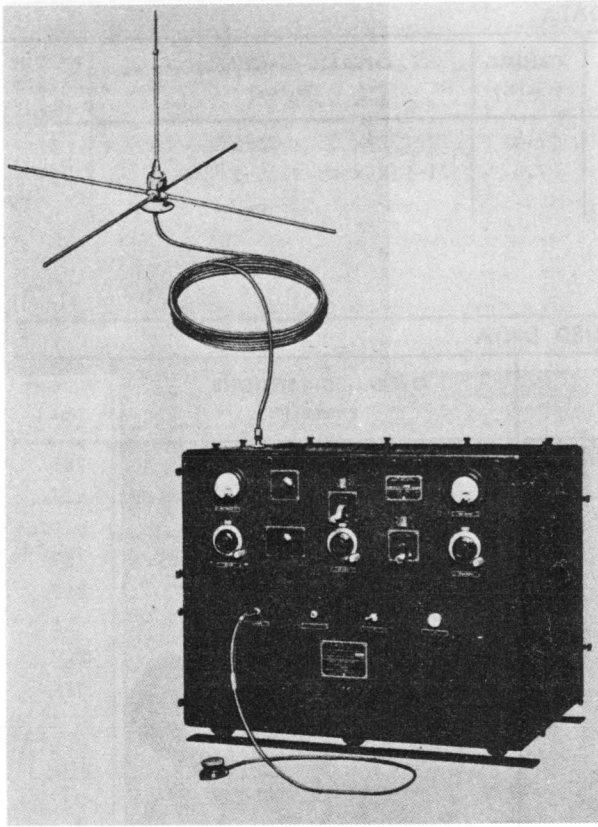


## VHF TRANSMITTING EQUIPMENT

TDT



*Transmitting Equipment Model TDT*

### FUNCTIONAL DESCRIPTION

The Navy Model TDT is a compact semi-portable equipment designed to provide modulated continuous-wave or voice modulated transmission for point-to-point or ground-to-plane use in the 115 to 156 megacycle frequency range. The transmitter proper is self-contained except for the antenna and microphone. It is used with Navy Models RBK and RCK series Radio Receiving Equipments.

No field changes in effect at time of preparation (28 April 1958).

### ELECTRICAL AND MECHANICAL CHARACTERISTICS

FREQUENCY RANGE: 115 to 156 mc.  
CHANNELS: 1.

POWER OUTPUT: 35 W.  
FREQUENCY CONTROL: Crystal oscillator.  
EMISSION: A2, A3.  
KEYING SPEED: 40 wpm.

#### MODULATION

VOICE: 100%.  
TONE (500 OR 1000 CPS): 95%.  
AUDIO RESPONSE: Approx  $\pm 2$  db from 200 to 4000 cps.  
OUTPUT IMPEDANCE: 50 ohms, unbalanced.  
POWER REQUIREMENTS: 110 to 120 v, 50 to 60 cps, single ph.  
POWER CONSUMPTION: Approx 750 W.  
TYPE ANTENNA: 1/4 wave vertical telescoping rod with ground plane rods.

### MANUFACTURER'S OR CONTRACTOR'S DATA

Aircraft Accessories Corp, Kansas City, Kansas.

Contract NXss-30269, dated 27 May 1943.  
Approximate Cost: \$1500.00 with equipment spares.

### TUBE AND/OR CRYSTAL COMPLEMENT

(2) OD3W	(4) 5U4G
(5) 6J5	(5) 807
(2) 829B	

Total Tubes: (18)

(1) CR-1  
Total Crystals: (1)

### REFERENCE DATA AND LITERATURE

NAVSHIPS 95337: Technical Manual for Navy Model TDT VHF Transmitting Equipment.

TYPE CLASSIFICATION
DESIGN COGNIZANCE BUSHIPS
PROCUREMENT COGNIZANCE 43014-NA
STOCK NO.

TDT

## VHF TRANSMITTING EQUIPMENT

## SHIPPING DATA

NUMBER OF BOXES	CONTENTS AND IDENTIFICATION	VOLUME (Cu.Ft.)	OVERALL DIMENSIONS (inches)	WEIGHT PACKED (lbs.)
1	Transmitter NT-52322 including: (1) Microphone Assembly NT-51004C (1) Telegraph Key (2) Technical Manual NAVSHIPS 95337	23.0	28-1/2 X 34-1/2 X 41	470
1	Antenna NT-66091 including: (1) Antenna Cable	2.3	9 X 15 X 30	45
1	Set of Equipment Spares	6.1	15 X 23 X 30-1/2	125

## EQUIPMENT SUPPLIED DATA

QUANTITY PER EQUIPT	NAME AND NOMENCLATURE	OVERALL DIMENSIONS (inches)	WEIGHT (lbs.)
1	Transmitter NT-52322	26-1/2 X 26-3/4 X 31-1/2	400
1	Antenna NT-66091	28-3/8 X 49-1/2 X 49-1/2	16.5*
1	Microphone Assembly NT-51004C		
1	Telegraph Key		
1	Set of Equipment Spares	10-1/2 X 19-1/2 X 25-1/2	90
1	Antenna Cable	1200 lg	
2	Technical Manual NAVSHIPS 95337	1/4 X 8-1/2 X 11	

NOTE: \*-Includes weight of Antenna Cable.