

TELEPHONE TERMINAL AN/TCC-65

1. Description:

A quad 12-channel multiplex telephone terminal used to provide secure or nonsecure multiplex terminal or repeater facilities.

2. Federal Stock Number:

5805-156-4368

3. Major Components:

QTY

1	Shelter, Electrical Equipment (Modified S-250/G)	S-333/TCC-65
4	Multiplexer	TD-660A/G
4	Multiplexer (Cable Combiner)	TD-204/TD-754/G
4	Converter, Telephone Signal	CV-1548/G
*4	Electronic Key Generator	TSEC/KG-27
1	Intercommunication Station	LS-147/F1

4. Ancillary Equipment:

a. Power Unit (USATROSCOM)

1 ea Generator Set, Gasoline Engine, Trailer
Mounted (2 ea 3 KW units on 3/4-Ton Trailer) PU-628()/G

b. Transporter (USATACOM)

1 ea Truck, Cargo, 1 $\frac{1}{4}$ Ton M-715

c. Air Conditioner (USATROSCOM)
(Currently authorized by DA for use in tropical areas.)

1 ea 18,000 BTU Unit, Trailer Mounted FSN 4120-930-5700

*Has provision for mounting optional security equipment.

5. Appropriate Literature:

TM 11-5805-371-14
TM 11-5895-458-14 (Systems)

6. Characteristics:

a. Physical

Dimensions - Refer to S-250/G Shelter on page 8-4
Weight - 2,465 lbs (including Shelter)

All operating components are housed in a 1 $\frac{1}{4}$ Ton (S-250/G) Shelter. The shelter is fully insulated and weatherproofed and contains ports for use of an air conditioner (when authorized). Equipment racks housing electronics components are secured to the walls and floor. Storage areas and mounting fixtures are provided for spares and accessory items. Power and signal wiring is housed in ducts. The assemblage can be transported by air or ground vehicle. Normally, the assemblage is intended for operation while mounted on the transporter truck. The transporter truck also tows the power unit trailer on which are mounted generators, cable on reels, fuel cans and additional accessory items for use with the assemblage.

b. Technical

Input Voltage	115 Volts, 50-60 Hz, Single Phase
Power Consumption	2944 Watts
Local Communication	
Facility	TA-312/PT and LS-147/F1
Multiplexing	Time Division (TDM)
Modulation:	
Multiplexer	Pulse Code (PCM)

7. Concept of Employment:

Used in Division to extend circuits from a Command Post to a remote Radio Terminal AN/TRC-113. Assemblage may be used with Coaxial Cable CX-11230 to link up with Radio Terminal equipped with Radio Sets AN/GRC-103.

8. Improved Operation Capabilities Over Previous Types:

This telephone terminal when used with Radio Repeater Set AN/TRC-113 partially replaces the AN/MRC-69. It is capable of handling a larger volume of traffic and by using the new Time Division Multiplexing-Pulse Code Modulation equipment improves the quality of the transmissions. Also, the terminal has the optional capability of making the system secure.

9. Plans for Continuation or Replacement:

There are no current plans to replace this assemblage.

10. Military Personnel Requirements:

Operator - MOS 31M20 Radio Relay Operator

Repair - MOS 31L20 Field Radio Relay Equipment Repairman