

## Section II. Switch

### AN/MTC-1 and AN/MTC-1A Manual Telephone Central Office

Status:     STD-B; NSN: 5805-00-926-0255 (AN/MTC-1)  
            STD-A; NSN: 5805-00-167-7628 (AN/MTC-1A)

Reference: TM 11-5805-284-14

#### General Information

The AN/MTC-1 and -1A are air- or vehicular-transportable manual central offices which provide switching for 196 local-battery or common-battery subscriber lines and 20 manual or dial trunk circuits. The AN/MTC-1 and the -1A are each housed in two shelters, the AN/MTA-3 and the AN/MTA-4. The MTA-3 contains three parallel switchboard positions. The AN/MTA-4 houses the relays, frames, storage batteries, and power panel. The AN/MTC-1 or the -1A is used at signal centers in the corps area communication systems.

#### Major Components

AN/MTC-1	AN/MTC-1A
1 Shelter S-179/MTA-3 (modified S-141/G)	1 Shelter S-280B/G (modified) (MTA-3)
3 Switchboards SB-249A/TTC	3 Switchboards SB-1398/GTA
3 Telephone Sets TA-312/PT	2 Telephone Sets TA-312/PT
1 Shelter S-180/MTA-4 (modified S-141/G)	1 Shelter S-280B/G (modified) (MTA-4)
3 Main Distribution Frames TA-257/TTC	3 Main Distribution Frames TA-454/GTA-14
2 Line Relays TA-223A/TTC	2 Line Relays TA-452/GTA-14
1 Line Relay TA-226A/TTC	1 Line Relay TA-226/TTC
1 Power Distribution Panel SB-1032/TTC	1 Power Distribution Panel SB-1399/GTA
4 Batteries BB-46	4 Batteries BB-46
3 Telephone Sets TA-312/PT	3 Telephone Sets TA-312/PT
	2 Intercommunications Stations LS-147F/FI

#### Technical Characteristics

Power Requirement-----115 V AC, 50 to 60 Hz  
 Power Consumption-----7,556 W  
 Weight:  
   AN/MTA-3-----2,038 kg (4,490 lb)  
   AN/MTA-4-----1,970 kg (4,339 lb)  
 Vehicular Requirement-----Two 2 1/2-ton trucks

# AN/MTC-1 and AN/MTC-1A Manual Telephone Central Office

