

AN/TYQ-30(V) and AN/TYQ-31 Communications System Control Elements

NSN: 5895-01-280-3568 AN/TYQ-30(V)1
5895-01-280-3567 AN/TYQ-30(V)2
5895-01-281-6861 AN/TYQ-31

Reference: TM 11-5895-1392-12

General Information

The AN/TYQ-30(V) and AN/TYQ-31 Communications System Control Elements (CSCE) provide automated management/systems control of TRI-TAC networks. The CSCE gives the EAC network manager automated management facilities for planning the allocation, user, and operation of the deployed tactical communications network. An extensive network database monitors the network's status through reports received from subelements. The CSCE provides an automated facility for preparing and disseminating operation orders, telecommunications service orders, contingency plans, and other documents. The AN/TYQ-31(V)1 supports a signal brigade with an ADP shelter, an operations shelter, and a remote terminal cluster. The AN/TYQ-30(V)2 (single shelter) with a remote terminal cluster supports a signal battalion. The AN/TYQ-31 (single shelter) will be deployed with the AN/TTC-39A to be used by nodal management and technical control personnel. The CSCE will replace the AN/MS-31 and AN/MS-32.

Major Components

	TYQ-30(V)1 (ADP)	TYQ-30(V)1 (Operations)	TYQ-30(V)2	TYQ-31
Micro VAX II Computer	3		2	1
175-MB Disk Drives	6		3	2
Workstation VS-2000	2	4	2	2
VHF Radio VRC-46 or VRC-90 with KY-57	1	1		1
KY-68 DSVT	10	4	10	8
AN/UXC-7	1	1	1	1
Fiber Optic Extender	2	1	2	
Multipoint Repeater	1		1	
DSDI	8		8	
TD-1235	1			
LS-147/F1	1		1	

**Major Components
(Cont.)**

	TYQ-30(V)1 (ADP)	TYQ-30(V)1 (Operations)	TYQ-30(V)2	TYQ-31
Shelter S-280(C)/G	1	1	1	1
Remote Terminal Cluster		1	1	
Orderwire Control Unit				1

Technical Characteristics

Power Requirement:

Shelter	120/208 V AC, +6% to -12%, 50/60 Hz 3% 3-phase
Portable	115 V AC, 50/60 Hz

Organic Power:

AN/TYQ-30(V)1	AN/MJQ-10 (20 each 30 kw)
AN/TYQ-30(V)2	PU-406 (30 kW)
AN/TYQ- 31	PU-406 (30 kW)
AN/TYQ-32	Provided by the user

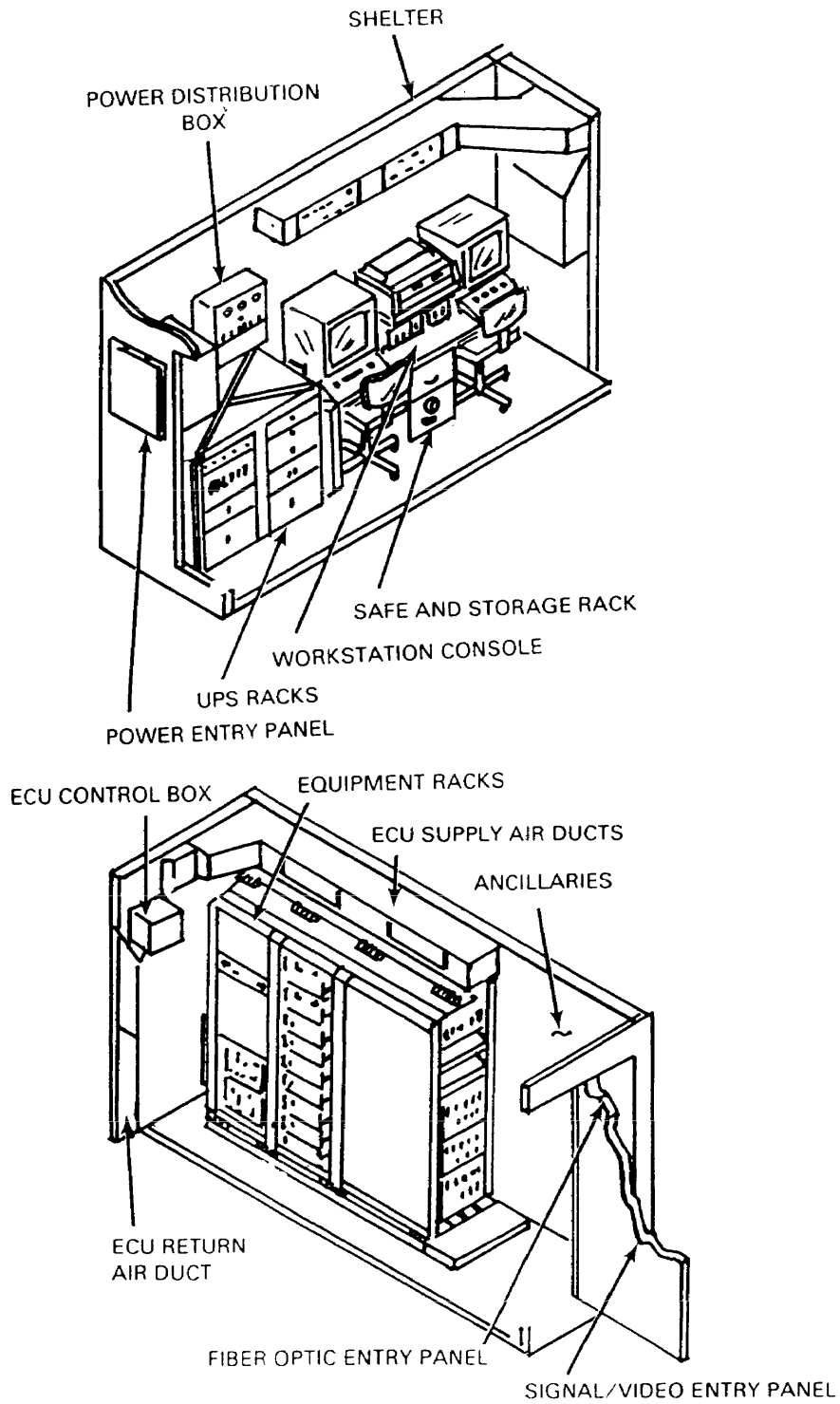
Prime Mover:

AN/TYQ-30(V)1	2 each 5-ton M-923
AN/TYQ-30(V)2	1 each 5-ton M-923
AN/TYQ-31	1 each 5-ton M-923
AN/TYQ-32	Man-carried

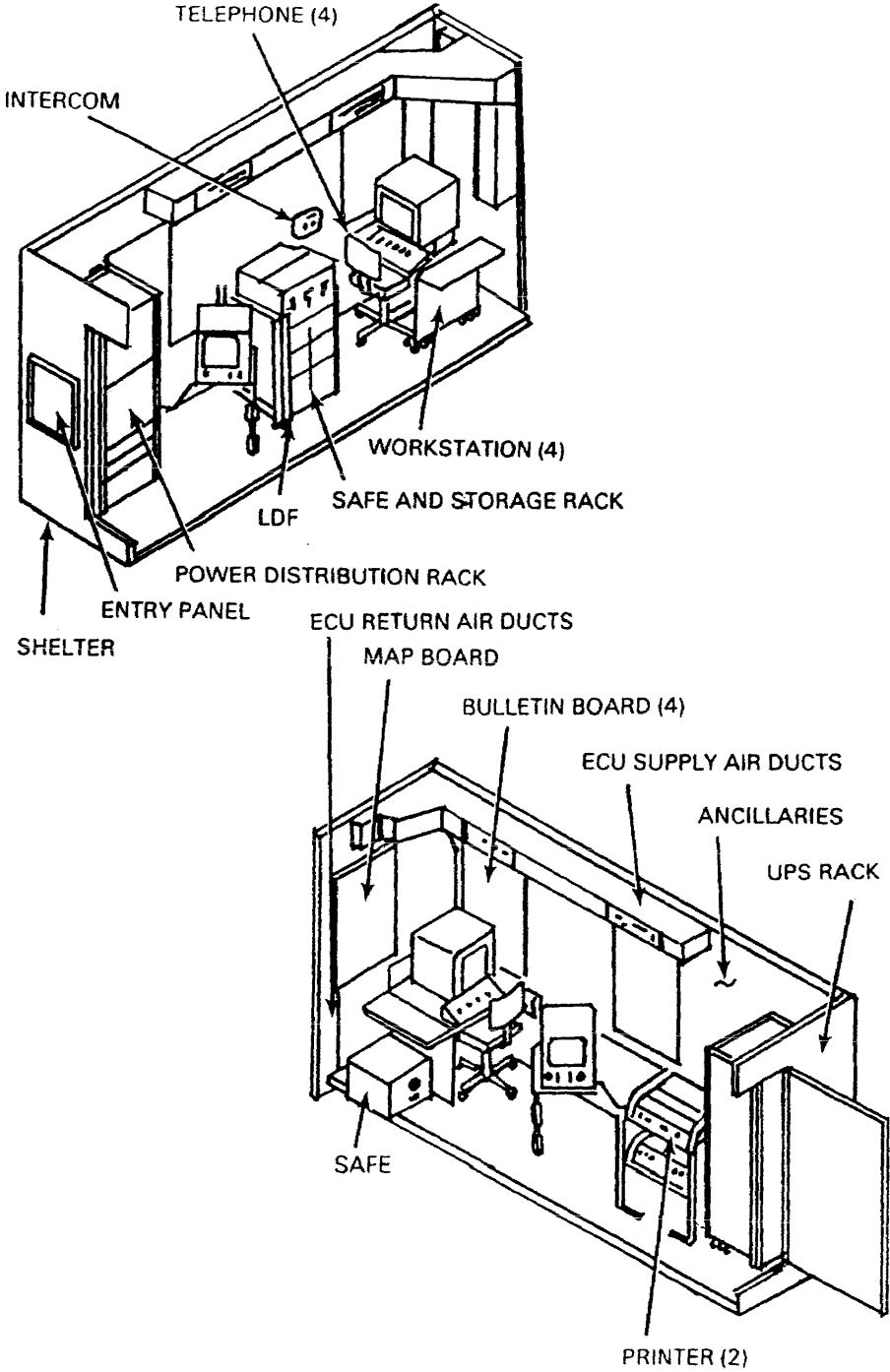
Weight:

AN/TYQ-30(V) 1	2,863 kg (6,300 lb) (ADP shelter)
	2,727 kg (6,000 lb) (operations shelter)
AN/TYQ-30(V)2	2,818 kg (6,200 lb)
AN/TYQ-31	2,636 kg (5,800 lb)

AN/TYQ-30(V)1 Shelter Layout (Automatic Data Processing Shelter)



AN/TYQ-30(V)1 Shelter Layout (Operations Shelter)



AN/TYQ-30(V)2 and AN/TYQ-31 Shelter Layout

