

## AN/TTC-46 Large Extension Node Switch

Status: To be determined; NSN: To be determined

Reference: TM 11-5805-765-12

### General Information

The LENS is configured in two S-250( )/Gs, the ON-305/TTC-46 switching shelter and the OL-412/TTC-46 operations shelter. Each shelter is transported on an M-1037 (HMMWV). The LENS is configured basically the same as the NC switch with the basic difference in termination configuration for trunks and loops. The switching shelter provides the external interface, circuit switching, and associated functions. The operations shelter provides the central processing and operator interface functions. The LENS performs all access switching and control functions for an MSE network. Power to both assemblages is provided by a PU-753/M, 10-kw, trailer-mounted, diesel generator set towed by the operations shelter's prime mover.

### Major Components

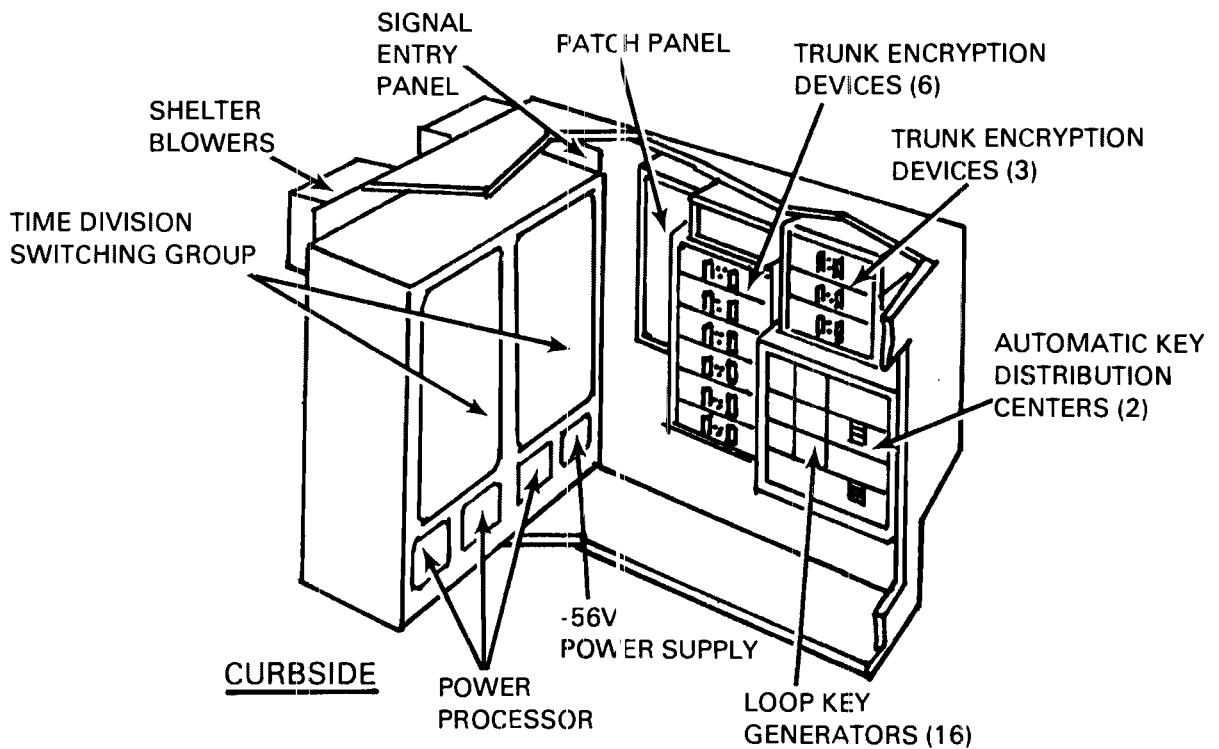
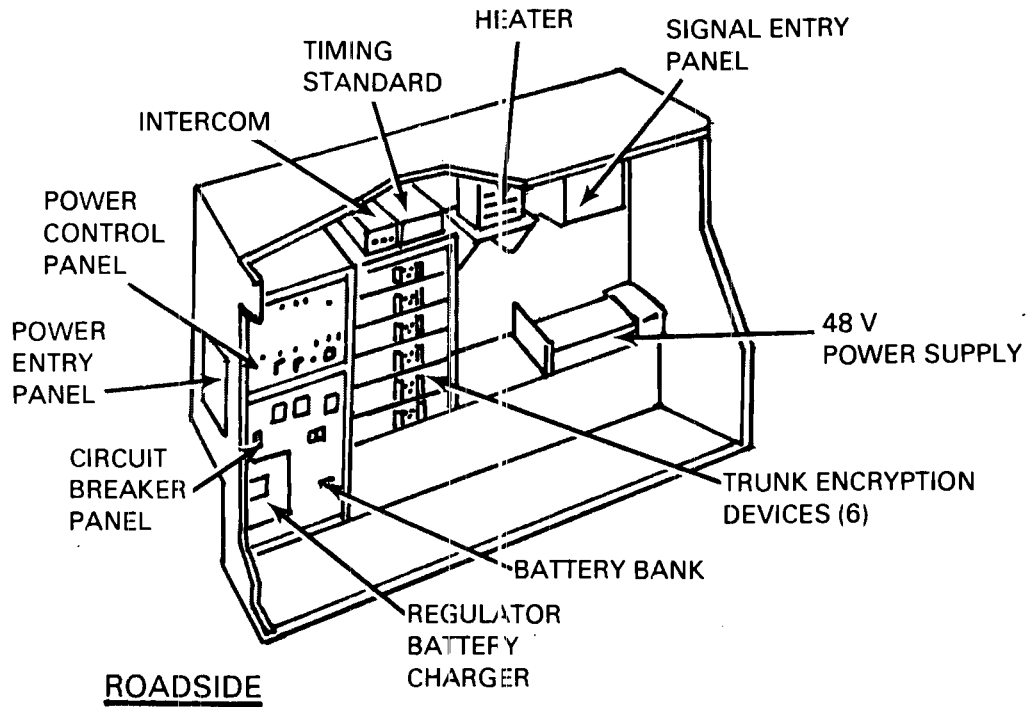
	ON-305	OL-412
Shelter S-250/G		1
Shelter S-250E/G	1	
Switch Subsystem AN/TTC-46:		
LCSP*		1
Switching Processor Subsystem*		1
Plasma Display Unit*		1
MTU*		2
TDSGM	2	
TED KG-94	3	
Loop Key Generator KG-82	16	
Automatic Key Distribution Control KGX-93	2	
Transition Unit HGF-93	2	
Net Control Device KYX-15		1
Orderwire Control Unit		1
VINSON COMSEC KY-57		1
Secure Device Net Radio Interface KY-90		1
Environmental Control Unit		1
Junction Box J-1077/U		2
Intercommunications Station LS-147	1	1
Communications Terminal AN/UGC-74B		1
DNVT TA-1035/U		1
Down-the-Hill Control Unit		2
Signal Cable CX-4566	2	
Intershelter Cable		6
Power Cable CX-7453 and CX-7705	1	1

\*Part of AN/TTC-46.

## Technical Characteristics

Power Requirements-----115 V AC, 50 or 60 Hz, single phase  
Channel Rates-----16 kb/s  
Digital Terminations-----648  
Trunk Signaling Buffers-----4  
Digital Inband Signaling Buffers----4  
Digital Transmission Groups-----8  
Digital Receivers-----20  
Digital Loops-----96  
Analog Loop (Commercial Interface)---4  
Conference Bridge Unit-----4

### ON-305/TTC-46 Switching Group



**OL-412/TTC-46 Operations Group**

