

## AN/TSQ-72A Landing Control Central

Status: STD-B; NSN: 5895-00-404-3273

Reference: Not Available

### General Information

The AN/TSQ-72A is used at an airfield to provide air traffic regulation, aircraft identification, separation, in-flight assistance, ground approach radar control, and ground traffic control. Various radio sets are provided to facilitate the control of aircraft. Radar Set AN/TPN-18 is used to assist aircraft landings, and Interrogator Set AN/TPX-44 provides an IFF capability with a range of 125 km (78 mi). Radio Set AN/VRC-46 can provide secure voice operation, but Radio Sets AN/ARC-51BX, -73A, and -102 are not compatible with the current tactical speech security equipment.

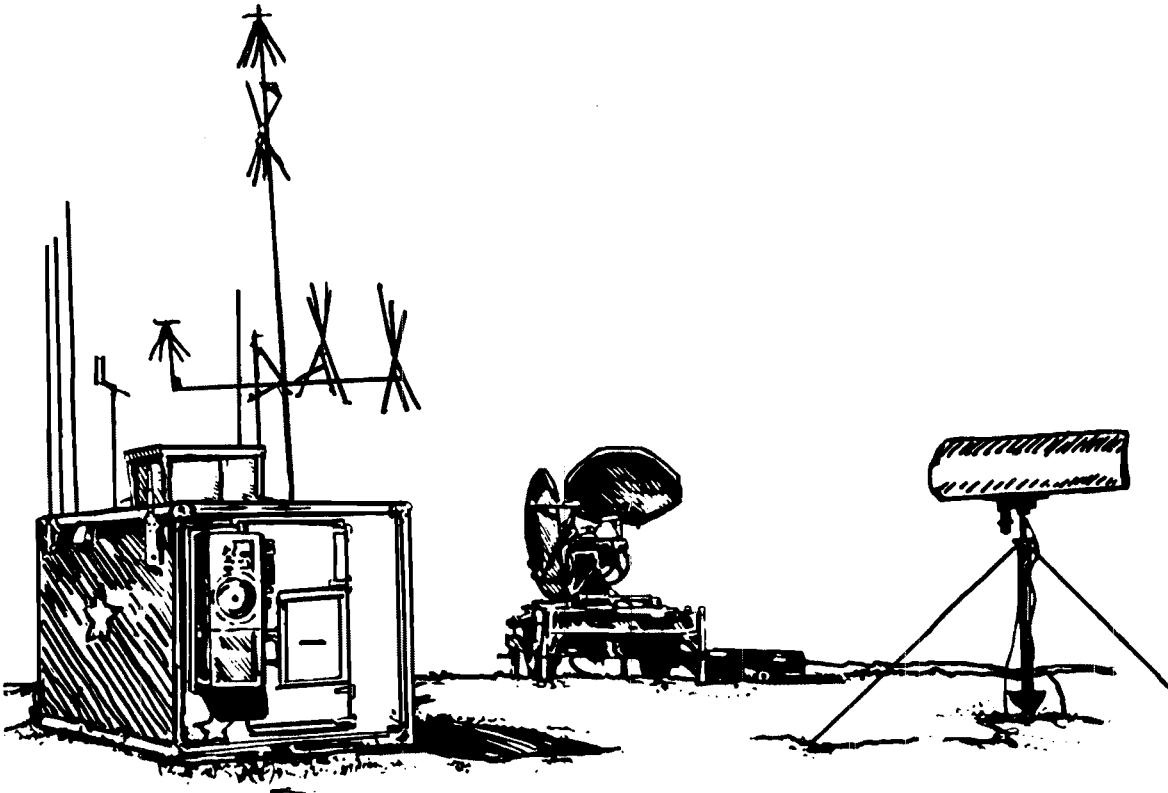
### Major Components

3 Radio Sets AN/ARC-51BX	1 Radio Set AN/TPN-18
3 Radio Sets AN/ARC-73A	1 Interrogator Set AN/TPX-44
1 Radio Set AN/ARC-102	2 Generator Sets PU-401/M
4 Radio Sets AN/VRC-46	

### Technical Characteristics

Type of Service-----	AN/VRC-46: 30K0F3E (secure or nonsecure) AN/ARC-51BX: 6K00A3E AN/ARC-73A: 6K00A3E AN/ARC-102: 6K00A3E, 3K00R3E, 1K10A1A
Frequency Range-----	AN/VRC-46: 30 to 75.95 MHz AN/ARC-51BX: 225 to 399.95 MHz AN/ARC-73A: 116 to 151.95 MHz AN/ARC-102: 2 to 29 MHz
Planning Range-----	AN/VRC-46: 8 to 40 km (5 to 25 mi) AN/ARC-51BX: LOS AN/ARC-73A: LOS AN/ARC-102: 650 km (404 mi)
Number of Channels-----	AN/VRC-46: 920 AN/ARC-51BX: 3,500 AN/ARC-73A: 680 (transmitter), 720 (receiver) AN/ARC-102: 28,000
Power Input-----	120/208 V AC, 400 Hz and 28 V DC
Power Source-----	PU-401/M

**AN/TSQ-72A  
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Power Output-----AN/VRC-46: low, 8 W; high, 35 W  
 AN/ARC-51BX: 16 W  
 AN/ARC-73A: 20 W nominal  
 AN/ARC-102: 3A3A, 400 W (PEP); 6A3,  
 0.1A1, 100 W  
 Antenna-----AT-197, AT-912, AS-112, and long-wire  
 Tuning-----Detent