

AN/TSW-7A Air Traffic Control Central

Status: STD-A; NSN: 5820-01-018-1246

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 TM 11-5895-801-10
 TM 11-5895-801-20

General Information

The AN/TSW-7A is an air- and ground-transportable system which provides sheltered space for three air traffic controllers and one supervisor. It interfaces with other facilities of the Army air traffic management system and with command and control systems of other military agencies. This facility may be deployed at tactical airstrips for airborne and ground control of aircraft or under emergency conditions at permanent airfields to replace permanent control towers. The facility contains all the equipment needed to control aircraft under VFR conditions. The shelter is a controlled environment, four-sided, glass-windowed structure which can be raised up to 4 feet, with the use of jacks, to increase the controller's area of vision. The AN/TSW-7A contains UHF-AM, VHF-AM, and VHF-FM radio sets for ground-to-air communications and an HF-AM SSB radio and telephone for ground-to-ground communications. Other items of equipment contained in the shelter include visual signal lamps, wind information indicators, altimeters, binoculars, secure voice equipment, and standard landline terminals.

Major Components

3 Radio Sets AN/ARC-114A	3 Radio Sets AN/ARC-164(V)
3 Radio Sets AN/ARC-115A	1 Radio Set AN/ARC-102

Technical Characteristics

Planning Range-----	64.4 km (40 mi) (aircraft communications)
Power Input-----	120/208 V AC, 50/60 Hz, 3-phase, 5-wire
Power Source-----	Reliable commercial power or 10 kw gasoline generator

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