

## AN/FSQ-84 Radar System

Status: STD-A; NSN: 5840-00-110-5773

Reference: TM 11-5840-345-20

### General Information

The AN/FSQ-84 consists of Shelter S-70/G and three major operating subsystems: Radar Set AN/FPN-40, Interrogator Set AN/TPX-41, and a multiplex subsystem (Multiplexer TD-991/G and Demultiplexer TD-992/G). When the AN/FSQ-84 is installed in an operational configuration, these equipments are separated into two major operational groups which may be located up to 3,048 m (10,000 ft) apart. One group is comprised of radar and IFF components that are directly associated with video presentations on the radar indicator. This equipment group is designated the indicator site. The other equipment group consists of radar and IFF components that are primarily associated with the transmission, reception, and processing of radar and IFF signals. This equipment group is designated the receiver-transmitter site. To accomplish signal transfer between the two groups, the TD-991/G is installed at the indicator site, and the TD-992/G is installed at the receiver-transmitter site. A 48-conductor (12-pair) control cable and a single coaxial cable connect between the indicator site and the receiver-transmitter site to provide the necessary interconnection between the two multiplex units.

### Major Components

1 Radar Set AN/FPN-40	1 Interrogator Set AN/TPX-41
1 Video Amplifier Group OA-2032/FPN-33	1 Multiplexer TD-991/G
1 Video Amplifier AM-1577A/FPN-33	1 Demultiplexer TD-992/G
1 Video Amplifier AM-1578/FPN-33	1 Shelter S-70/G (modified)
	1 Distribution Box J-2972/G

### Technical Characteristics

Power Input-----	105 to 129 V AC, 48 to 62 Hz, single phase, 7 kw
Power Source-----	Existing airfield power facilities or gasoline powered generator
Weight-----	2,668.2 kg (5,870 lb)

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