

Wind Measuring Set (AN/FMQ-13). FAC: 1341

CATCODE: 149621

OPR: AFWA/A5/A8, MAJCOM/A3W

OCR: MAJCOM/A6

1.1. **Description.** Consists of a transmitter/sensor, indicator, and recorder that provide wind direction and speed for air traffic control operations, weather observations, and forecasting.

1.2. **Requirements Determination.** One transmitter is authorized at each facility; however, some airfields require two or more transmitters if the aerodrome has two or more instrumented approaches or has terrain anomalies. One indicator is needed for each location requiring wind information. (Typical locations are the weather observation site, tower, RAPCON, and fire department). Each airfield requires one recorder. Obtain further information through AFWA/A5/8 or MAJCOM/A3 weather staff.

1.3. **Scope Determination.** Quantitative requirements are locally determined. There is no standard facility requirement. Site the transmitter where it best measures winds representative of the touchdown area of a runway or helipad. A concrete pad and underground cabling are needed to support the mounting mast for the equipment. The recorder is mounted in the Weather Observation Site (**CATCODE 141629, 141453, or 149962**). The recorder provides a permanent record of wind speed and direction. The indicator is mounted in the weather observation site and in aircraft control facilities such as RAPCON and air traffic control tower.

1.4. **Dimensions.** Quantitative requirements are locally determined. There is no standard facility requirement.

1.5. **Design Considerations.** Locate equipment to comply with airfield/aviation safety and explosive safety standards.

1.5.1. **Communications Requirements.** Underground cabling to connect air traffic control facilities, fire department, and Weather Observation Site.

1.5.2. **Power Requirements.** Reliable/stable 115 VAC, 60 Hz, 20 A service. The requirement for emergency power is determined under AFI 32-1063.