

Precision Approach Radar (PAR). FAC: 1341

CATCODE: 134374

OPR: AFFSA

OCR: AFNIC, AF/A3O, AFCEC/COS

1.1. **Description.** Primary radar equipment (PAR) is used to provide the azimuth, elevation, and range of an aircraft during final approach.

1.2. **Requirements Determination.** Fixed base PARs are AN/GPN-22. If dual runway coverage is needed, the AN/FPN-62 requires a turntable (turntable included in SFEL FA-3-01A). See Radar Turntable (**CATCODE 134373**) and AFI 32-1044.

1.3. **Scope Determination.** The AN/GPN-22 does not require a turntable. Mobile facilities also provide PAR service. The MPN-14K requires a turntable to provide dual runway coverage. The TPN-19 does not require a turntable. See UFC 3-260-01 for additional guidance.

1.4. **Dimensions:** Contact OPR for latest requirements and guidance.

1.5. **Design Considerations:** For fixed PAR, the radar data is transmitted from the radar, located near the runway, to the approach control. A transformer vault, ducting, and a foundation turntable or hardstand may be required as support structures