

## **Pad, Power Check. FAC: 1131**

CATCODE: 116664

OPR: AF/A4L

OCR: AFCEC/COS

1.1. **Description.** A power check pad is an outdoor testing facility designed for in-frame or out-of-frame testing of jet engines. Generally constructed as a thickened concrete slab (dimensions of 80 by 120 feet) with tie-down fittings and a blast diverter/deflector.

1.2. **Requirements Determination.** This facility is authorized for bases having jet aircraft when suppressed power check pads are not required.

1.3. **Scope Determination.** See paragraph 6-9 of UFC 3-260-01.

1.4. **Dimensions.** Power check pads may be either rectangular, square, or circular shaped. See UFC 3-260-01 for specific pad layout and dimensions.

1.5. **Design Considerations.** Locate the pad to satisfy explosives safety standards, DoD 6055.9-Std and AFMAN 91-201. Unsuppressed power check pads should be located near maintenance hangars but at a location where full power engine diagnostic testing of jet engines can be performed with minimal noise exposure to inhabited areas both on and off the installation. A power check pad includes a thrust anchor or anchors for aircraft serviced by the pad, paved shoulders, and a blast deflector to protect the surrounding area from jet engine blast (see UFC 3-260-01, Appendix B, Section 15, *Aircraft Trim Pad and Thrust Anchor for up to 267 Kilonewtons [60,000 Pounds] Thrust*, and ETL 01-10, *Design and Construction of High-Capacity Trim Pad Anchoring Systems*). The facility may also include floodlighting for night operations, a water supply to wash down fuel spills, oil/water separators, a holding tank, treatment of fuel wash-down drainage before discharge to a sanitary or storm sewer, and communication with the maintenance control room and the base telephone system.