

Jet Blast Deflector. FAC: 1464

CATCODE: 116945

OPR: AFCEC/COS

OCR: AF/A30-A

1.1. **Description.** Jet blast deflectors are equipment to shield parked aircraft, taxiing aircraft, vehicles, personnel, and pavements from jet blast effects.

1.2. **Requirements Determination.** Jet blast deflectors are installed where continual jet engine run-up interferes with the parking or taxiing of aircraft, the movement of vehicles, and the activities of maintenance personnel, or where jet run-up causes the erosion of a pavement shoulder not protected by stabilization or concrete surfacing.

1.3. **Scope Determination.** Size and configuration are selected to satisfy aircraft taxiing, parking, and jet blast requirements. See paragraphs 6-19.1 and Appendix B, Section 8, of UFC 3-260-01.

1.4. **Dimensions.** A deflector is generally 2.4 to 3.7 m (8 to 12 ft) tall and located 21 to 37 m (70 to 120 ft) aft of the jet engine nozzle, but not less than 15.2 m (50 ft) from the tail of the aircraft.

1.5. **Design Considerations.** Two blast deflector types are commonly used. One is a concave, single curved, corrugated metal surface, with or without baffles, fastened and braced to a concrete base to withstand the force of the jet blast and deflect it upward. The most widely deployed model of this type when used for F-15, F-16, and F-22 aircraft is the GS-12 Deflector manufactured by Blast Deflector, Inc. The second is a rectangular metal frame anchored to the ground at an angle, with multiple horizontal curved vanes to deflect the jet blast upwards. Other deflector types may be used.