

Large Aircraft Maintenance Dock. FAC: 2111

CATCODE: 211173

OPR: AF/A4L

OCR: N/A

(NOTE: Criteria below is also used for Medium Aircraft Maintenance Dock (**CATCODE 211175**), Small Aircraft Maintenance Dock (**CATCODE 211177**), and Fuel System Maintenance Dock (**CATCODE 211179**).

1.1. **Description.** This facility has space for an aircraft parking bay and support space for heating, plumbing, latrines, ventilation, compressed air, and fire detection and suppression. The fuel system maintenance dock may need additional fire detection and suppression. Maintenance docks provide protected space for aircraft maintenance. They contain heating, plumbing, electricity, and compressed air systems and are usually insulated. Docks used for fuel systems maintenance also include mechanical ventilation, fume sensing and alarm, fire extinguishing systems, and wash down drainage trenches.

1.2. **Requirements Determination.** Before planning an additional fuel systems maintenance dock, consider the possibility of converting an existing aircraft maintenance dock if remaining aircraft maintenance dock space could support other aircraft maintenance requirements.

1.3. **Scope Determination.** **CATCODE 211111** and Table 1.1 provide the required number of dock spaces for aircraft maintenance, including fuel systems maintenance. The normal requirement for Fuel Systems Maintenance Docks (**CATCODE 211179**) is one per base. However, some base missions have a demonstrable requirement based on workload records, PAA, weather conditions, and projections for additional docks. These may come out of the base total dock allowance (Table 1.1) or be added to it, depending on workload requirements.

1.4. **Dimensions.** See Table 1.1 and 1.2.

1.5. **Design Considerations.** Ensure siting of new hangars complies with UFC 3-260-01. See paragraph 1.2 of CG 21 General Criteria and paragraph 1.3 of CG 21 General Criteria for general maintenance facility criteria.