

High Frequency AIRCOM Microwave Relay Facility. FAC: 1311

CATCODE: 131138

OPR: AFNIC

OCR: N/A

1.1. **Description.** The microwave relay system is an essential link in the aeronautical station system. This system provides the control link between the transmitter, receiver, and communications terminal.

1.2. **Requirements Determination.** Where cable systems are not feasible because of distance and terrain, or they are not an operational requirement, microwave facilities are provided as a primary means of communication. The microwave inter-site system may be required due to:

1.2.1. The prohibitive cost of constructing pole lines in some areas which have sufficient cable lines to meet the communications demand between aeronautical station facilities;

1.2.2. The frequency of weather related cable system outages; or

1.2.3. The high vulnerability of cable systems to sabotage and enemy actions, especially in areas overseas.

1.3. **Scope Determination.** See CATCODE 13118 paragraph 1.5.8.

1.4. **Dimensions.** See CATCODE 13118 paragraph 1.5.8.

1.5. **Design Considerations.** Contact OPR for additional design guidance.