

must be made under arrangements, satisfactory to the Federal Aviation Administration, that are made by the owner.

§ 171.209 Installation requirements.

(a) The facility must be installed according to accepted good engineering practices, applicable electric and safety codes, and Federal Communications Commission requirements.

(b) The facility must have a reliable source of suitable primary power.

(c) Dual transmitting equipment may be required, if applicable, to support certain IFR procedures.

(d) At facilities within or immediately adjacent to controlled airspace and that are intended for use as instrument approach aids for an airport, there must be ground-air communications or reliable communications (at least a landline telephone) from the airport to the nearest Federal Aviation Administration air traffic control or communication facility. Compliance with this paragraph need not be shown at airports where an adjacent Federal Aviation Administration facility can communicate with aircraft on the ground at the airport and during the entire proposed instrument approach procedure. In addition, at low traffic density airports within or immediately adjacent to controlled airspace, and where extensive delays are not a factor, the requirements of this paragraph may be reduced to reliable communications (at least a landline telephone) from the airport to the nearest Federal Aviation Administration air traffic control or communications facility, if an adjacent Federal Aviation Administration facility can communicate with aircraft during the proposed instrument approach procedure, at least down to the minimum en route altitude for the controlled airspace area.

[Doc. No. 10116, 35 FR 12716, Aug. 11, 1970, as amended by Amdt. 171–16, 56 FR 65665, Dec. 17, 1991]

§ 171.211 Maintenance and operations requirements.

(a) The owner of the facility shall establish an adequate maintenance system and provide qualified maintenance personnel to maintain the facility at the level attained at the time it was

commissioned. Each person who maintains a facility shall meet at a minimum the Federal Communications Commission's licensing requirements and show that he has the special knowledge and skills needed to maintain the facility, including proficiency in maintenance procedures and the use of specialized test equipment.

(b) The owner must prepare, and obtain approval of, and each person who operates or maintains the facility shall comply with, an operations and maintenance manual that sets forth procedures for operations, preventive maintenance, and emergency maintenance, including instructions on each of the following:

- (1) Physical security of the facility.
- (2) Maintenance and operations by authorized persons only.
- (3) Federal Communications Commission's requirements for operating and maintenance personnel.
- (4) Posting of licenses and signs.
- (5) Relations between the facility and Federal Aviation Administration air traffic control facilities, with a description of the boundaries of controlled airspace over or near the facility, instructions for relaying air traffic control instructions and information (if applicable).
- (6) Notice to the Administrator of any suspension of service.
- (7) Detailed arrangements for maintenance, flight inspection, and servicing, stating the frequency of servicing.
- (8) Keeping of station logs and other technical reports, and the submission of reports required by § 171.213.
- (9) Monitoring of the facility, at least once each half hour, to assure continuous operation.
- (10) Inspections by U.S. personnel.
- (11) Names, addresses, and telephone numbers of persons to be notified in an emergency.
- (12) Shutdowns for routine maintenance and issue of "Notices to Airmen" for routine or emergency shutdowns (private use facilities may omit the "Notice to Airmen").
- (13) Commissioning of the facility.
- (14) An acceptable procedure for amending or revising the manual.
- (15) The following information concerning the facility: