

- (4) Posting of licenses and signs.
- (5) Relations between the facility and FAA 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, and instructions for the operation of an air traffic advisory service if the facility is located outside of controlled airspace.
- (6) Notice to the Administrator of any suspension of service.
- (7) Detailed and specific maintenance procedures and servicing guides stating the frequency of servicing.
- (8) Air-ground communications, if provided, expressly written or incorporating appropriate sections of FAA manuals by reference.
- (9) Keeping the station logs and other technical reports, and the submission of reports required by § 171.327.
- (10) Monitoring of the MLS facility.
- (11) Inspections by United States personnel.
- (12) Names, addresses, and telephone numbers of persons to be notified in an emergency.
- (13) Shutdowns for periodic maintenance and issuing of NOTAM for routine or emergency shutdowns.
- (14) Commissioning of the MLS facility.
- (15) An acceptable procedure for amending or revising the manual.
- (16) An explanation of the kinds of activities (such as construction or grading) in the vicinity of the MLS facility that may require shutdown or recertification of the MLS facility by FAA flight check.
- (17) Procedures for conducting a ground check of the azimuth and elevation alignment.
- (18) The following information concerning the MLS facility:
  - (i) Facility component locations with respect to airport layout, instrument runways, and similar areas.
  - (ii) The type, make and model of the basic radio equipment that provides the service including required test equipment.
  - (iii) The station power emission, channel, and frequency of the azimuth, elevation, DME, marker beacon, and associated compass locators, if any.
  - (iv) The hours of operation.
  - (v) Station identification call letters and method of station identification and the time spacing of the identification.
  - (vi) A description of the critical parts that may not be changed, adjusted, or repaired without an FAA flight check to confirm published operations.
- (d) The owner or his maintenance representative must make a ground check of the MLS facility periodically in accordance with procedures approved by the FAA at the time of commissioning, and must report the results of the checks as provided in § 171.327.
- (e) The only modifications permitted are those that are submitted to FAA for approval by the MLS equipment manufacturer. The owner or sponsor of the facility must incorporate these modifications in the MLS equipment. Associated changes must also be made to the operations and maintenance manual required in paragraph (c) of this section. This and all other corrections and additions to this operations and maintenance manual must also be submitted to FAA for approval.
- (f) The owner or the owner's maintenance representative must participate in inspections made by the FAA.
- (g) The owner must ensure the availability of a sufficient stock of spare parts, including solid state components, or modules to make possible the prompt replacement of components or modules that fail or deteriorate in service.
- (h) FAA approved test instruments must be used for maintenance of the MLS facility.
- (i) Inspection consists of an examination of the MLS equipment to ensure that unsafe operating conditions do not exist.
- (j) Monitoring of the MLS radiated signal must ensure a high degree of integrity and minimize the requirements for ground and flight inspection. The monitor must be checked daily during the in-service test evaluation period (96 hour burn in) for calibration and stability. These tests and ground checks or azimuth, elevation, DME, and marker beacon radiation characteristics must be conducted in accordance with the maintenance requirements of this section.