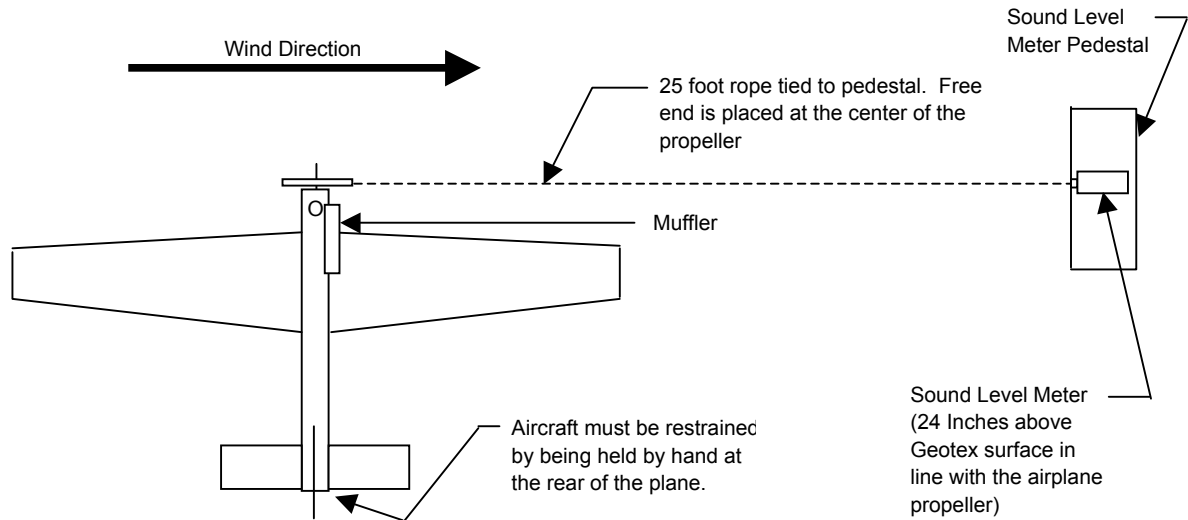


LAMA Sound Level Test Procedure



Note: A minimum of two individuals are required to sound test an aircraft. Only those individuals listed as testers in the Sound Log Book are authorized to perform the sound check. In order to obtain an accurate test no other aircraft should be operating during the test.

- 1) Enter the descriptive information on a blank data page in the LAMA Sound Logbook. Following testing, leave the data page on the clipboard. The Safety Officer will collect the data page and post it.
- 2) For all testing the LAMA sound limit for aircraft is 96 dB A at 25 feet. The aircraft and the meter are to be located over a Geotex surface extending from the aircraft to the meter. (See sketch above)
- 3) For an airplane: Place the airplane on or near the surface, locate the sound meter pedestal 25 feet away from the centerline of the aircraft in the plane of the propeller, on the muffler side (See sketch above). Restrain the airplane by holding it by the tail. Operate the engine at maximum RPM. Check the RPM by using the club tachometer and record the RPM on the data sheet.
- 4) For helicopters: Hover the helicopter approximately 3 feet above the surface, hold the sound meter at waist height and locate it 25 feet down wind and on the muffler side of the helicopter. Operate the helicopter on its highest hover head speed. Check the head RPM, or a best estimate, and record the RPM on the data sheet.
- 5) During a short period of time (approximately 1 minute) check the sound level 3 times and record the data on the data sheet.
- 6) Average the 3 checks and circle the appropriate pass/fail condition. The aircraft owner and a LAMA member must both sign the data sheet at the conclusion of the test.
- 7) File the Sound Data Log Sheet alphabetically by the aircraft owner's name and in date sequence in the LAMA Sound Logbook. All data sheets for both pass and fail tests are to be filed in the logbook.
- 8) Return all equipment to the storage area.