

Off Road Noise Testing Procedure

1.1 GENERAL

- (a) Each Off Road automobile may be subject to a noise emission test prior to starting any event or at any time during an event. The maximum noise emission from any automobile is 95dB(A).
- (b) The testing official shall be deemed a Judge of Fact for the purpose of and in respect of any measurements taken.
- (c) Testing results shall be confidential and only be shared with the affected competitor and/or the event Stewards (for judicial purposes) and/or CAMS.

1.2 OFF ROAD NOISE TESTING METHOD

- (a) Testing is to be carried out with a noise meter which is calibrated to the appropriate Australian Standard.
- (b) Testing shall be by the "drive-by" method.
- (c) The noise meter test position must not be less than 30 metres from the edge of the defined track when measured at an angle of 90° to the line of the track.
- (d) The noise meter shall be positioned on a sturdy base (e.g. tripod) and be isolated as far as is practicable from vibrations. The body of the person/s undertaking the test shall be located at an arm's length or greater from the meter.

- (e) Each meter shall be calibrated with a portable calibration tester immediately before and after each testing session.
- (f) The background noise level shall be checked and shall be a difference of 10 dB(A) or greater than of the noise source (i.e. automobile tested), otherwise an adjustment in accordance with the following shall be applied:
 - (i) Up to 5dB difference: apply a subtraction of 2dB from the level measured from the source;
 - (ii) 6 to 9dB difference: apply a subtraction of 1dB from the level measured from the source;
 - (iii) 10dB or greater: not adjustment applied.
- (g) Wind speed must be measured and if the wind speed is greater than 20km/h any reading taken in such conditions will be disregarded. Wind speed is to be recorded at a minimum of 15 minute intervals during any testing session.
- (h) Noise meter manufacturer instructions shall be followed in respect to the effect of temperature and/or atmospheric conditions.
- (i) Each reading shall be identified and recorded as emanating from a particular automobile during any testing session.
- (j) Each reading shall be rounded down to the next whole number.

1.3 OFF ROAD NOISE TESTING RECORD KEEPING

A record of each test session shall be kept which shall include the following:

- (a) General test conditions including:
 - (i) Temperature;
 - (ii) Atmospheric pressure;
 - (iii) Wind speed (at a minimum of 15 minute intervals);
 - (iv) Background noise level;
 - (v) Portable calibration test results, both pre and post the test session;
 - (vi) General geographical details of the testing site.
- (b) Result of each test of an automobile, including any variable parameters.

1.4 OFF ROAD NOISE TESTING EQUIPMENT LIST

- (a) The following shall be required to conduct Off Road Noise testing:
 - (i) A noise meter of the relevant Australian Standard;
 - (ii) A portable calibration device;
 - (iii) A current noise meter compliance and calibration certificate;
 - (iv) Instructions for the device;
 - (v) A tripod or similar device to secure the meter in its location; and
 - (vi) An anemometer to measure wind speed.