

B3 – Headlamp Aim Testing

A headlamp aim testing facility will be considered suitable if a rail mounted headlamp tester or aiming screen meet the following:

1. RAIL MOUNTED HEADLAMP TESTER
 - 1.1 A totally rail mounted headlamp tester either;
 - a) on the Vehicle & Operator Services Agency's latest List of Acceptable Equipment; or
 - b) accepted by the Agency for use under the arrangements detailed in "Section D Part A Requirements for Authorisation for all Classes";
 - 1.2 A headlamp tester installation with:
 - a) a designated clearly marked vehicle standing area at least 2.5m long, 2.0m wide, certified as flat and level to within ± 6 mm. The certificate must show height measurements from a level plane at all intersecting points on a 300mm (max) square grid covering the standing area and at points 300mm apart on the rails, which must be within the limits stated. It must be signed by a competent person i.e. a surveyor, manufacturer's representative or agent and include date, status, address of firm and Vehicle Testing Station address. A copy must be provided to the Vehicle & Operator Services Agency for placing on the garage file;
 - b) rails certified as being flat and level to within ± 2 mm and parallel to the forward edge of the standing area. The rails must be straight and the headlamp tester must not have excessive rock;
 - c) equipment positioned to take account of the vertical and horizontal location of headlamps tested and the standing area. The centre of the headlamp tester should be adjustable between 550mm and 1150mm (500 and 1200 for 2005 specification equipment) above the standing area plane, for previously accepted older types of headlamp tester with limited vertical movement, as close to these limits as possible;
 - d) 1.0 m (0.5 m for 2005 specification equipment) clearance at the rear of the tester optical head;
 - e) a clamp that can hold any motorcycle with the front wheel vertical and at right angles to the tester rails(not mandatory) A clamp must allow motorcycles to be located so that the headlamp lens is correctly positioned in relation to the headlamp tester;
 - f) the floor must be durably and clearly marked with a line or lines at the recommended headlamp tester to headlamp lens distance or zone limits. A centre line on the standing area at right angles to the datum line is required.
 - 1.3 Suitable arrangements for checking the alignment of the equipment with the standing area every 6 months and for records to be kept. It is acceptable if an alignment check is within the 6th calendar month in which the alignment was last checked.