

### **Proposal for Supplement 14 to Regulation No. 50**

This proposed amendment is submitted by the expert from INDIA, in order to amend the requirements for front and rear direction indicators.

The modifications are marked in bold characters.

#### **A. PROPOSAL**

*Insert new paragraphs 6.4. to 6.4.2.2., to read:*

**“6.4 Distance between two direction indicators;**

**6.4.1 Front Direction Indicator:**

**6.4.1.1 In case both the front direction indicators are grouped with any other devices there shall be a minimum distance of 240 mm between illuminating surfaces of two front direction indicators.**

**6.4.1.2 In case both the front direction indicators are grouped with passing beam headlamp the indicators shall be situated outside the longitudinal vertical plane tangential to the outer edges of the illuminating surface of the headlamp(s),**

**6.4.2 Rear Direction Indicator:**

**6.4.2.1 In case both the rear direction indicators are grouped with each other or with any other devices, the clearance between the inner edges of the two illuminating surfaces shall be at least 180 mm**

**6.4.2.2 Where stop lamps and direction indicator lamps are grouped, any horizontal or vertical straight line passing through the projections of the apparent surfaces of these functions on a plane perpendicular to the reference axis, shall not intersect more than two borderlines separating adjacent areas of different colour.”**

*Paragraphs 6.4. to 6.4.3., renumber as paragraphs 6.5. to 6.5.3.*

#### **B. JUSTIFICATION:**

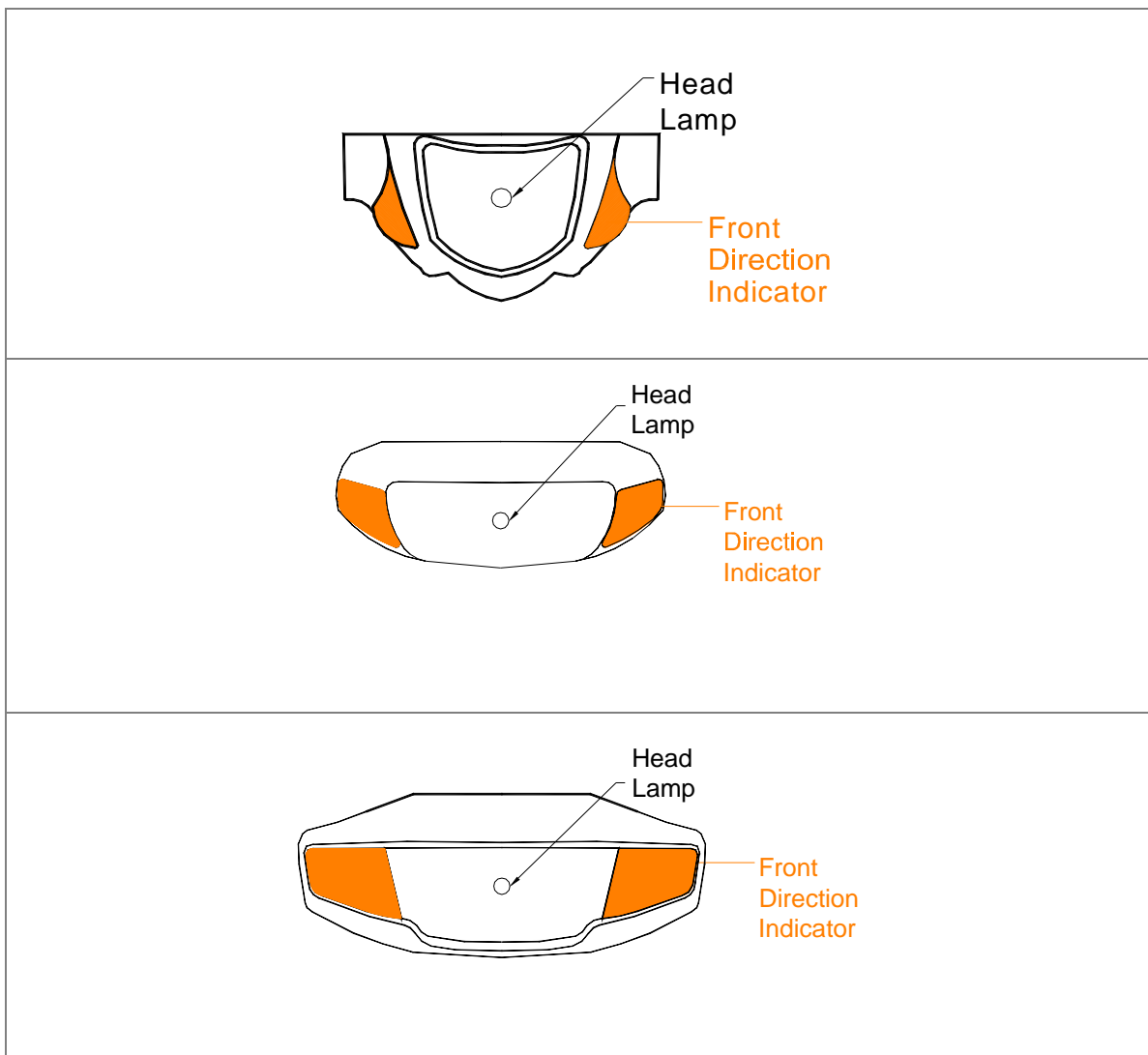
These requirements are already defined in ECE R53. It is proposed that these may be specified in ECE R50 also for the cases where direction indicator lamps are grouped with any other lamp.

- There are designs being used today, where the front direction indicator lamps are grouped with the headlamp and rear direction indicator lamps are grouped together or with another lamp. Some of such examples are shown in the attached pictures.
- Considering the today's design concept, generally, more complex and having close tolerance, it is very difficult to verify this requirement on the installation of devices

- Verification of separation distance in such cases is **much simpler to carry out on the device directly** while approving the device for compliance to ECE R50, rather than when mounted on a vehicle.
- The proposed amendment will avoid a re-verification during physical verification for compliance of the motorcycle to ECE R53.

### Example Vehicles

Examples of Front Direction Indicators  
 Requirement: Minimum distance of 240 mm between illuminating surfaces of two front direction indicators



Examples of Rear Direction Indicators  
 Requirement: Minimum distance of 180 mm between illuminating surfaces of two rear direction indicators

