

**Date of hosting on website: 19<sup>th</sup> September 2022**

**Last date for comments: 5<sup>th</sup> October 2022**

**CHECK LIST FOR PREPARING AMENDMENT TO AUTOMOTIVE INDUSTRY STANDARD (AIS)**  
**Draft Amendment No. 6 to AIS-145 Additional Safety features for Category M & N Vehicles**

<b>SR. NO.</b>	<b>PARTICULARS</b>	<b>REMARKS</b>
1.0	Is the amendment related to : i) Changes in technical requirements; ii) Corrigendum iii) Any other (Pl. specify)	i) For insertion of seat belt reminder requirement for all occupants of front facing rear seats in M1 category vehicles
2.0	Indicate details of base reference standard (Amendments).	UN R 16
3.0	Add an explanatory note indicating deviations from the above base referred standard (Amendments) in Sr. 2.	NA
4.0	If amendment is for provisions in technical requirements:	-
4.1	a) Does amendment call for re-type approval of component / vehicle, which is already type approved? b) Is amendment applicable to fresh type approval of component / vehicle c) Do components / vehicles manufacturers / Test agencies require lead time to meet requirements of amendment?	a) No. Since this requirement is not yet type approved b) Yes c) Yes
4.2	If amendment is related to corrigendum : a) Whether changes are required in previous approvals	NA
5.0	What are the test equipment for establishing compliance to amendment?	No additional test equipment compared to AIS-145 are required.
6.0	If possible, identify such facilities available in India.	Test agencies under CMV Rule 126
7.0	Are there any points on which special comments or information is to be invited from AISC/ CMVR-TSC If yes, are they identified?	Yes, performance evaluation and lead time.
8.0	Recommendation of date for implementation of amendment.	As per directions from MoRTH

Explanatory note based on ECE/EEC Directive practices:

1. Amend.X = an amendment issued to the text of the AIS.
2. Rev.X = a Revision of the text comprising all previous text(s) of the AIS.
3. Corr.X = a Corrigendum consists of editorial corrections of errors in the issued texts.

**AIS-145 Additional Safety features for Category M & N Vehicles**

**1. Page 1/26, clause 1.1**

Substitute following text for existing text:

“1.1 This standard specifies the requirements for additional safety features for M & N category vehicles that are aimed to further enhance vehicular and road safety.

The requirements of this standard are applicable to M1 category vehicles in respect of the following:

- (i) Speed alert system to alert driver in case of over speeds;
- (ii) Driver and ~~co-driver~~ **all other front facing seat occupants'** safety belt reminder;
- (iii) Manual override for central locking system;
- (iv) Driver Airbag and co-driver airbag (passenger airbag).

The requirements of vehicle reverse parking alert system of this standard shall be applicable to all M and N category vehicles, as defined in AIS-053.

Child safety lock system shall not be permitted for M1 category Transport vehicles.”

**2. Page No. 1 of 26 Clause 5.2.**

Substitute following text for existing text:

5.2 Driver and ~~co-driver~~ **all other front facing seat occupants'** safety belt reminder provided in category M1, shall meet requirements given at Annexure 3. Vehicles complying AIS-145 safety belt reminder installation requirement are deemed to comply relevant requirements of IS 16694:2018.

**3. Page No. 6 of 26, Annexure 3, Clauses 1.1**

Substitute following text for existing text:

1.1 “**Safety-belt reminder**” means a system dedicated to alert the driver when driver and /or ~~co-driver~~ **all other front facing seat occupant(s)** does not use the safety-belt. The system is constituted by a detection of an unfastened safety-belt and by a driver's alert which is a first level warning and a second level warning.

#### 4. Page No. 6 of 26, Annexure 3, Clauses 1.1.3, 1.1.4 and 1.1.5

Substitute following text for existing text:

- 1.1.3        **“First Level Warning”** means a visual warning activated when the ignition switch is engaged (engine running or not) and the driver's and/or ~~co-driver's~~ **front facing seat occupants'** safety-belt is not fastened. An audible warning can be added as an option.
- 1.1.4        **“Second Level Warning”** means a visual and audible warning activated when a driver operates a vehicle without fastening of driver and/or ~~co-driver~~ **front facing seat occupants'** safety-belt.
- 1.1.5        **“Safety-Belt is not fastened”** means, at the option of the manufacturer, either the driver and /or ~~co-driver~~ **front facing seat occupants'** safety-belt buckle is not engaged or the webbing length pulled out of the retractor is 100 mm or less.

#### 5. Page No. 7 of 26, Annexure 3, Clause 2.1.2.2

Substitute following text for existing text:

- 2.1.2.2        First level warning shall be at least a visual warning activated for 4 seconds or longer when the driver and/or ~~co-driver~~ **front facing seat occupants'** safety-belt is not fastened and the ignition switch is engaged.