

Questions by the TAAM delegation of [REDACTED]

TAAM meeting 24 January 2024

Date:
24/01/2024

Member State / Organisation:
[REDACTED]
Type Approval Authority:
[REDACTED]
Directive or Regulation number / any other document of reference:
UN ECE R39
Subject:
Additional Speedometer Displays

Reference to Annex, etc. in the Directive or Regulation:
R39 para 5.1, 5.2
Relevant text:
<p>5.1. An onboard speedometer and odometer complying with the requirements of this Regulation shall be fitted to the vehicle to be approved.</p> <p>5.2. The display of the speedometer shall be located within the direct field of view of the driver and shall be clearly legible both day and night. The range of speeds displayed shall be sufficiently wide to include the maximum speed of this type of vehicle as stated by the manufacturer.</p> <p>5.2.1. In the case of speedometers intended for vehicles of categories M, N, and L3, L4, L5, and L7, the graduation shall be 1, 2, 5 or 10 km/h. The numerical values of the speed shall be indicated on the display as follows: when the highest value on the display does not exceed 200 km/h, speed values shall be indicated at intervals not exceeding 20 km/h. When the maximum value on the display exceeds 200 km/h, then the speed values shall be indicated at intervals not exceeding 30 km/h. The indicated numerical speed value intervals need not be uniform.</p> <p>If a setting makes it possible for the driver to choose between the speed in km/h and mph (miles per hour), then the speed may be displayed only in either km/h or mph at any one time. The corresponding unit shall permanently be displayed.</p> <p>5.2.2. In the case of vehicles of categories M, N, and L3, L4, L5, and L7 manufactured for sale in any country where imperial units are used, the speedometer shall also be marked in miles per hour (mph); the graduations shall be of 1, 2, 5 or 10 mph.</p> <p>The speed may be displayed either in km/h or mph at any one time provided that a setting makes it possible for the driver to choose between the speed in km/h and mph, in that case the corresponding unit shall permanently be displayed.</p> <p>The numerical values of the speed shall be indicated on the display at intervals not exceeding 20 mph and commencing at 10 or 20 mph. The indicated numerical speed value intervals need not be uniform</p>

Question:

The introduction of digital dashboards has enabled manufacturers to provide more options for speedometer display within vehicles. In many cases, manufacturers present multiple displays such as a combination of a central simple numerical speed indication, alongside or surrounded by a display similar in appearance to an analogue physical speedometer gauge (see background for examples).

Should additional speedometer displays comply with the provisions of R39 if combined with another approved speedometer display?

Suggested solutions (if any):

A:	Yes. If the additional display or gauge has the appearance and function of a speedometer and will be used by drivers as such it should be complaint to R39 when set to km/h, mph or any other selectable modes for road use.
B:	No. If the vehicle has a speedometer display which complies in all modes, any additional graphics are not speedometers but are additional displays that do not need to comply with the provisions of R39.
C:	Other suggestions / conditions

Proposed solutions (if any):

Solution	Accepted	Refused
A:	X	
B:		X
C:		

Background:

The introduction of digital dashboards enables the use of a range of speedometer displays, including some options where multiple displays are in use at the same time. This is observed on products from a range of manufacturers with selected examples below:

[REDACTED]: Central digital speedometer. Additional display "speedometer" (LH side) with ticks at intervals of 10; Numerals in 40mph steps. (50km/h in metric)



██████████ Digital speedometer, dual readout. Outer is additional display “speedometer” with nonlinear scale, numeral step increases beyond 20mph (also beyond 30km/h in metric mode)



██████████ – Central digital speedometer. Additional display gauge (RH side) with permanent ticks but dynamic appearance of numbers as the “needle” passes.



Remarks: