

Template for comments and secretariat observations

Proposed changes are indicated in **bold** or ~~crossed-off~~.

Date: 2015-01-06

Document: **AVLI 05-01e Rev 1**
Proposal R 86 to become Document
ECE/TRANS/WP.29/GRE/2015-Xe

1	2	(3)	4	5	(6)	(7)
CP ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of com- ment ²	Comment (justification for change) by the MB (in English!)	Proposed change by the MB (in English!)	Secretariat observations on each comment submitted
CLE PA	6.15.1.	Presence	te	To align the provisions of ECE R86 with ECE 48 for certain categories of trailers and towed machinery by making the placement of retroreflectors optional for those categories and consequently placement of conspicuity marking mandatory for same categories as indicated in par. 6.21.	Mandatory on vehicles of category T the length of which exceeds 6 m and on all vehicles of categories R and S R1, R2 and S1 . Optional on tractors the length of which does not exceed 6 m and vehicles of categories R3, R4 and S2 .	
CLE PA	6.21.1.	Presence	te	To align the provisions of ECE R86 with ECE 48 for certain categories of trailers and towed machinery by making the placement of conspicuity marking mandatory for some categories and placement of retroreflectors optional for those categories as indicated in par. 6.15.1.	Mandatory on vehicles of categories R3, R4 and S2. Optional on vehicles of category T and vehicles of categories R1, R2 and S1.	
CLE PA	New par. 6.21.1.1.	To the side:	te	Identify the placement of conspicuity marking on a vehicle	Partial contour marking on vehicles exceeding 6,000 mm in length (including the drawbar for trailers)	

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CLE PA	New par. 6.21.1.2.	To the rear:	te	Identify the placement of conspicuity marking on a vehicle	Full contour marking on vehicles exceeding 2,100 mm in width	
CLE PA	6.21.3	Arrangement :	te	Identify the placement of conspicuity marking on a vehicle	A line marking may be installed instead of the mandatory contour marking if the shape, structure, design or operational requirements of the vehicle make it impossible to install the mandatory contour marking.	
CLE PA	6.21.4.	Position:	te	Identify position of conspicuity marking	No individual specifications. In length, the conspicuity marking shall be as close as practicable to the ends of the vehicle and reach to within 600 mm of each end of the vehicle (excluding the drawbar). The cumulative horizontal length of the conspicuity marking elements, as mounted on the vehicle, excluding any horizontal overlap of individual elements, shall equate to at least 70 per cent of the overall length of the vehicle (excluding the drawbar).	

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CLE PA	6.21.5.	Geometric Visibility:	te	Identify visibility requirements	No individual specifications. The conspicuity marking shall be considered visible, if at least 70 per cent of the illuminating surface of the installed marking is visible when viewed by an observer positioned at any point within the observation plane parallel to the longitudinal median plane of the vehicle and situated 25 m from the extreme outer edge of the vehicle and bounded by:	
CLE PA	New par. 6.21.5.1.		te		in height, by two horizontal planes 1.0 m and 1.5 m respectively above the ground,	
CLE PA	New par. 6.21.5.2.		te		in width, by two vertical planes which form an angle of 4° outwards from a plane perpendicular to the vehicle's longitudinal axis and which pass through the intersection of the vertical planes perpendicular to the vehicle's longitudinal axis delimiting the vehicle's overall length and the extreme outer edge of the vehicle.	

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CLE PA	6.21.6.	Orientation:	te	Identify orientation of conspicuity marking	As close as practicable to being parallel to the median longitudinal plane of the vehicle, compatible with the shape, structure, design and operation requirements of the vehicle; if this is not possible, it shall follow as close as practicable the contour of the outer shape of the vehicle.	
CLE PA	6.21.7.	Other Requiremen ts:	te	Align with provisions in ECE 48	In the case of a partial contour marking, each upper corner shall be described by two lines at 90°, to each other and each at least 250 mm in length; if this is not possible, the marking shall follow as close as practicable the contour of the outer shape of the vehicle. The locations on the vehicle designated for conspicuity markings shall allow for the installation of markings of at least 60 mm in width.	
CLE PA	Annex 6	Par. 2	te	First and second line of par. 2: Change the reference points to colorimetric properties of Reg. 48 as the existing references are incorrect	White according to point 2.29.4 2.30.1. of UNECE regulation..... Red according to point 2.29.4 2.30.4. of UNECE regulation.....	

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CLE PA	Annex 6	Par. 2 cont.	te	Last line of par. 2 The photometric performance of all panels, not only Form B, should fulfil the highest available visibility characteristics since they play an integral role in early recognition of the extremities of large-mass machinery by an oncoming vehicle and should be so described	Panels or foils of Form B must comply with Annex 7 of UNECE regulation No. 104, Class C. Photometric performance requirements of all Panels or foils of Form B identified in Table 2 above must shall comply with Class 5 or Class F requirements of Reg. 70 or Reg. 104 respectively.	

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