

**CEMA**



# **CEMA amendment to UN Reg. No.86 Lighting installation for agricultural vehicles**

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# CEMA amendment to UN Reg. No.86

## Background



- ▶ In European Union, road requirements for agricultural vehicles (tractors, trailers and interchangeable towed equipment) are covered in (EU) Reg. 167/2013
- ▶ This regulation was subject to an assessment from the European Commission to see if updates were needed
- ▶ In parallel internal work done in CEMA. For lighting installation:
  - ▶ harmonisation of the requirements in Reg. No. 86 and the ones applicable in European Union
  - ▶ consideration of vehicles of any dimensions
  - ▶ addition of devices as for motor vehicles or dedicated to agricultural vehicles: manufacturer logo, beacon

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## Main proposals – Position lamps



- ▶ Adaptation of the requirements to take into account the dimensions out of the ones harmonised in Europe:
  - ▶ Review of the maximum number of lamps
  - ▶ Review of the requirements for additional pair(s)
- ▶ Alignment of the requirements as far as possible between front and rear position lamps

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## Main proposals – Reflective devices



- ▶ Use of reflective materials as an alternative to retro-reflectors, in order to have more flexibility for surfaces which are not flat
- ▶ Adaptation of the requirements to take into account the dimensions out of the ones harmonised in Europe:
  - ▶ Review of the maximum number of reflectors
  - ▶ Possibility to use signalling panels as an alternative to reflectors
- ▶ Alignment of the requirements as far as possible between front, rear and lateral retro-reflectors

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## Main proposals – Special warning devices



- ▶ Addition of amber special warning devices, which are used in some countries to inform of a slow moving vehicle on the road. The purpose is to try to harmonise their installation rules and avoid the development of national diverging ones:
  - ▶ Definition
  - ▶ Optional presence
  - ▶ Requirements mostly intended to ensure its visibility on the vehicle from a certain distance

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## Main proposals – Other items



- ▶ Addition of manufacturer logo, as provided for motor vehicles
- ▶ Clarification of requirements for the detection in the tractor of a failing LED direction-indicator lamp on a trailer (difficulty for the detection linked to the fact that the tractor must take into account any technology of lamp)
- ▶ Clarification in the editing on the criteria for the geometric visibility for dipped-beam lamps

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## New series of amendments? Transitional provisions



- ▶ The amendments provide alternative to existing installation or optional additional
- Normally a new series of amendments is not required.

If the contrary was decided, we would suggest to use the one prepared to provide adaptations for the 01 series of amendments to UN R148, 149 and 150

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**Thank you!**

**CEMA Secretariat**

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