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Economic Commission for Europe**Inland Transport Committee****World Forum for Harmonization of Vehicle Regulations****Working Party on General Safety Provisions****107th session**

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Item 14 of the provisional agenda

**Consolidation Resolution on the
Construction of Vehicles (R.E.3)****Proposal for amendments to ECE/TRANS/WP.29/78/Rev.3 on the
Consolidated Resolution on the Construction of Vehicles
(R.E.3)****Note by the secretariat ***

The text reproduced below was prepared by the secretariat to insert a definition for agricultural trailers and toned agricultural machinery. It is based on informal document GRSG-106-34-Rev.1 (see ECE/TRANS/WP.29/GRSG/85, para. 51). The modifications to the current text of document ECE/TRANS/WP.29/78/Rev.3 are marked in bold for new or strikethrough for deleted characters.

* In accordance with the programme of work of the Inland Transport Committee for 2012–2016 (ECE/TRANS/224, para. 94 and ECE/TRANS/2012/12, programme activity 02.4), the World Forum will develop, harmonize and update Regulations in order to enhance the performance of vehicles. The present document is submitted in conformity with that mandate.

I. Background and mandate

1. In the course of revising UN Regulation No. 86 (Installation of lighting and light-signalling devices for agricultural tractors), which has not been updated for fifteen years, the Working Party on Lighting and Light-signalling (GRE) identified the need to extend the scope to new categories of vehicles such as agricultural trailers and towed machinery, with a view to improving their visibility. GRE noted that, in order to introduce new categories of vehicles into UN Regulation No. 86, the Consolidated Resolution on the Construction of Vehicles (R.E.3) should be amended accordingly.

2. To inform the World Forum WP.29 and other its subsidiary Working Parties as soon as possible about this intention and to get them involved in the process of preparing amendments, GRE mandated its Chair to raise this issue at the June 2014 session of WP.29 and requested the secretariat to circulate to other Working Parties subsidiary to WP.29 draft proposals for amendments to R.E.3 for consideration (see ECE/TRANS/WP.29/GRE/71, para. 49). In line with this request, the secretariat is reproducing below a first draft of new definitions for agricultural and forestry vehicles that have been prepared by the GRE Informal Group on Agricultural Vehicle Lighting Installation (AVLI). It should be noted that GRE is continuing its deliberations on this issue and that the wording below has not yet been agreed by GRE. Nevertheless, other GRs are kindly invited to consider these draft proposals in parallel to GRE with the aim to speed up the process of submitting generally agreed amendment proposals to WP.29.

Note: The secretariat has already received a comment suggesting the substitution of a certain terminology used in the current draft document, i.e. "towed agricultural machinery" with "interchangeable towed equipment". The former definition may create unnecessary confusion as "machinery" in general, is certified according to specific certification procedures and is not type approved. As R.E.3 primarily concerns vehicle construction, the inclusion of the term "machinery" for non-self-propelled vehicles may be proven to be legally ambiguous.

II. Proposal

Paragraph 2.6., amend to read:

"2.6. **Agricultural Vehicles (Categories T, R and S)** ~~"Category T – Agricultural and Forestry tractors": A power driven vehicle, either wheeled or track laying, which has at least two axles, whose function depends essentially on its tractive power, and which is specially designed to pull, push, carry or actuate certain implements, machines or trailers intended for use in agriculture or forestry. Such a tractor may be arranged to carry a load and attendants."~~

Paragraph 2.6. (former), renumber as paragraph 2.6.1.

Insert new paragraph 2.6.2., to read:

- "2.6.2. "Category R - Agricultural trailer": Vehicles, fitted with wheels or endless tracks, intended mainly to carry loads and designed to be towed by an agricultural tractor or by non-road mobile machinery; agricultural trailers coupled to an agricultural tractor or a non-road mobile machinery and permanently incorporating an implement shall also belong to Category R if the ratio between the maximum mass and the unladen mass of that agricultural trailer is equal to or greater than 3.0. [what if it is less than 3.0?]"**

Insert new paragraph 2.6.3., to read:

- "2.6.3. "Category S - Towed agricultural machinery": Vehicles which are designed to be towed by an agricultural tractor or by non-road mobile machinery and change or add to its functions, they may include a load platform designed and constructed to receive any tools and appliances needed for those purposes, and to store temporarily any materials produced or needed during work; any trailer intended to be towed by an agricultural tractor or by non-road mobile machinery and permanently incorporating an implement or designed to process materials shall be considered towed agricultural machinery if the ratio between the maximum mass ~~to~~ and the unladen mass of that ~~vehicle~~ towed agricultural machinery is less than 3.0. [what if it is equal to or greater than 3.0?]"**

III. Justification

1. Presently there are no classifications of agricultural trailers and towed agricultural machinery in the Consolidated Resolution on the Construction of Vehicles (R.E.3) available, even though UN Regulation No. 106 already uses the terms agricultural trailer and towed agricultural machinery.
2. Within GRE, an informal working group on Agricultural Vehicle Lighting Installation (IWG AVLI) was established with the task to update UN Regulation No. 86 and, where appropriate, to align it with UN Regulation No. 48. Members of this IWG are also in favour to incorporate lighting installation requirements for agricultural trailers and towed agricultural machinery, which was not yet possible for formal reasons due to the lack of classification of such agricultural vehicles in R.E.3.
3. The proposed classification is compatible with ISO 12934:2013: agreed on: Tractors and machinery for agriculture and forestry — Basic types — Vocabulary (First edition 01-11-2013). However, due to formal reasons the exact wording needed to be adapted to the terminology of UNECE Vehicle Regulations.
4. Furthermore, the proposed classification is also compatible with the vehicle classification within the framework of the EU legislation for agricultural vehicles.