United Nations Informal Working Group on awareness of Vulnerable Road Users Proximity in low speed manoeuvres –

UN IWG VRU-Proxi

Reversing

(including changes made during VRU-Proxi-14)

27th of May 2020, online meeting

Backing event definition

➢ Clarification and harmonization between requirements

15.1.1 Backing event starts when the vehicle is in Active vehicle mode and the vehicle's direction selector is placed from forward or neutral or park into reverse by the driver or a system, and ends when one of the following forward motion conditions, at the manufacturer's choosing, is met :

(a) a ~~maximum~~ speed **≤** ~~of maximum~~ 16 km/h **(0 km/h is included)**, or

(b) A ~~maximum~~ distance **travelled ≤** ~~of maximum~~ 10 meters ~~travelled~~ **(0 meters is included)**, or

(c) a ~~maximum~~ continuous duration of **≤** ~~of maximum~~ 10 seconds **(0 seconds is included)**, or

(d) the vehicle's direction selector is not placed in reverse.

Detection system activation

We would like the same flexibility for RVC and detection system activation for systems harmonization

➢ 16.1.1.3.   Deactivation

The rear-view image shall remain visible during the backing event until either, the driver modifies the view, or *the vehicle direction selector is* *no longer in* ~~*removed from the*~~ *reverse position.*

Modifying the view means to switch to any other camera views.

The driver can switch off the view when the vehicle is not moving rearward.

In case the vehicle can detect coupling with a coupling device, the system may be switched off

➢ 17.1.System activation

The system shall be activated when the backing event starts. If proper functioning cannot be effected, either the system shall automatically shut off or the driver shall be able to deactivate the system manually.

The detection system shall remain active ~~during the backing event~~ as long as ~~until~~ the vehicle direction selector is ~~no longer~~ in ~~removed from the~~ reverse position.

In case the vehicle can detect coupling with a coupling device, the system may be switched off