**Hand-out for discussion of Item 5 of the Draft Agenda of the 15th meeting of the Task Force TPMSTI**

**Amendments to UN Regulation No 141**

* Prepare a proposal to implement
  + TPRS and CTIS into the requirements of paragraph 5.1.3. and paragraphs 5.2. to 5.6.

**Draft additional Transitional Provision to requirements for TPRS and CTIS acc. paragraphs 5.4. to 5.6**.

Until [xx.07.2024], for vehicle types of categories M2, M3, N2, and N3 and until [xx.07.2025] for vehicle types of categories O3 and O4, Contracting Parties applying this Regulation shall not refuse to grant type approvals for vehicles equipped with TPRS and CTIS not fulfilling the requirements of paragraphs 5.4. to 5.6., when the requirements of paragraphs 5.1.2 and 5.1.3 and the test criteria of Annex 4 are met.

Until [xx.07.2027], Contracting Parties applying this Regulation shall accept [for the purpose of vehicle registration] type approvals for vehicle types of categories M2, M3, N2, N3, O3 and O4, equipped with TPRS and CTIS and not fulfilling the requirements of paragraphs 5.4. to 5.6., when the requirements of paragraphs 5.1.2 and 5.1.3 and the test criteria of Annex 4 are met.

**Draft Amendment:**

5.1.1.1. A Tyre Pressure Refill System (TPRS) shall fulfil the requirements of paragraphs 5.1.2, 5.1.3, and 5.4. to 5.6 and the test criteria of Annex 4 to this Regulation. In this case TPMS is not requested to be installed.

5.1.1.2. A Central Tyre Inflation System (CTIS) shall fulfil the requirements of paragraphs 5.1.2, 5.1.3 and 5.4. to 5.6 and the test criteria of Annex 4 to this Regulation. In this case TPMS is not requested to be installed.

**Justification:**

In paragraph 5.2. the provisions for tyre pressure detection for incident-related pressure loss (most safety relevant scenario) are laid down. There is no need to duplicate these requirements for TPRS and CTIS, because they are already covered for TPRS and CTIS by Annex 4, paragraph 2.2.

The pressure loss scenario and functionality covered by paragraph 5.3 are not relevant for the TPRS and CTIS systems, as they are acting on the inflation pressure of each single tyre.

The other functionalities covered by paragraphs 5.4. to 5.6. cannot be covered by current specifications of TPRS and CTIS and further development of the technology of these systems is necessary.