Proposal for supplement 3 to the 02 series of amendments ~~[and supplement 1 to the 03 series of amendments]~~ to UN Regulation No. 134 (Hydrogen and fuel cell vehicles)

The text reproduced below was prepared by the experts of the International Organization of Motor Vehicle Manufacturers (OICA). It is intended to accommodate the update of ISO standard referred in this Regulation as alternatives. The modifications to the existing text of the UN Regulation No, 134 are marked in bold for new or strikethrough for deleted characters.

I. Proposal

Paragraph 7.1.1.5., amend to read:

"7.1.1.5. The geometry of the fuelling receptacle of compressed hydrogen gas vehicles shall, depending on its nominal working pressure and specific application, be compatible with specification H35, ~~H35HF~~ **H35MF** or H70, ~~conform to international standard ISO 17268:2020~~ and **in accordance with international standard ISO 17268:2020 [or ~~with specification H35, H35MF or H70 in accordance with~~ ISO 17268-1:2025].**"

II. Justification

1. ISO 17268:2020 will be replaced by ISO 17268-1:2025 in the middle of 2025 where new technologies to allow higher flow rate, such as H35MF and slightly updated design of H70, are included in the standard.

2. In order to allow such new technologies introduced in ISO 17268-1:2025, the reference to the updated standard should be added as an alternative. Within the same specification code, the fuelling receptacles according to the 2025 standard shall have the compatibility with the nozzles complying with the 2020 standard or vice versa.

3. During the development of ISO 17268-1:2025, a safety concern of H35HF has been identified where some of H35HF nozzles could be mated with H70 receptacle that may potentially result in overheating of the container. Accordingly, ISO17268-1:2025 adopted a new specification H35MF and removed H35HF in order to prevent such unintended incorrect assembly.

4. ISO is also working on the new standard. ISO 17268-2, for higher flow rate, that will be published around 2026-2027. Once such new standard becomes available, another supplement will be proposed to include such latest technologies.