

## Economic Commission for Europe

### Inland Transport Committee

Working Party on the Transport of Dangerous Goods

15 December 2023

Joint Meeting of the RID Committee of Experts and the  
Working Party on the Transport of Dangerous Goods

Bern, 25-28 March 2024

Item 6 of the provisional agenda

Reports of informal working groups

### **Report from intersessional working group on test periods for battery-vehicles filled in accordance with packing instruction P200**

**Transmitted by the European Industrial Gases Association (EIGA)**

#### **Report**

1. The Joint Meeting of September 2023, “*underlined the importance of this subject and agreed to carefully consider this subject at its next session on the basis of an official document. EIGA was invited to provide a solid justification including detailed information on their evaluation.*” EIGA was asked to set up an Intersessional Working Group (IWG) to further develop a paper on the extension of periodic testing to 15 years for battery vehicles.
  2. This IWG met in November 23 with members of industries and delegates from 8 countries. EIGA presented their data in detail on which the proposal is based. The data covers experience with battery vehicles of 4 companies, across 11 EU countries with elements of over 40 years old.
  3. Several constructive comments were shared to further develop a formal paper.
  4. EIGA limits the scope of their proposal to seamless steel Type 1 cylinders and tubes only for Helium and Hydrogen compressed. The paper will cover the design and operation of the elements of battery vehicles, the valves and piping and the vehicle chassis. Considerations will be given to detail both cylinders and tubes. Control of leakage, gas purity control and the construction of the frame to hold the elements will also be described.
  5. EIGA continues to develop a formal paper for the Joint Meeting in 2024.
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