

## **Economic Commission for Europe**

### **Inland Transport Committee**

**Working Party on the Transport of Dangerous Goods**

**22 September 2016**

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

Geneva, 19–23 September 2016

Item 5 (a) of the provisional agenda

**Proposals for amendments to RID/ADR/ADN:  
pending issues**

### **Alternative methods for periodic inspection of refillable pressure receptacles**

**Agenda for the next WG meeting following the Geneva JM of  
22/09/2016**

**Transmitted by the European Liquefied Petroleum Gas Association  
(AEGPL) on behalf of the Working Group**

#### **1- Proposed items:**

- Clarify uncertainties on the scope of the statistical tests:
  - Make clear for which types of cylinders it can be applied
  - Make clear which ADR 6.2.1.6.1 checks (a to e) are concerned
- Be more precise and consistent in using statistical terms applied to pressure receptacles
- Be clearer on the responsibilities for manufacturers (eg availability of cylinder's data), owners, filling centers, retest facilities & inspection bodies
- Provide more detailed requirements with regards to activities of sampling, destructive tests and statistical analysis
- Improve the determination of population groups for statistical purposes (sampling)
- Define minimum sampling size. (linked to the confidence level)
- Statistical methods shall enable to monitor degradation (ageing) of mechanical properties. (note : no requirements in the ADR concerning in service ageing tests / residual life time beside Note 2 in 6.2.2.1.1 and 6.2.2.1.2)
- Analyze methods for Periodic Inspection with respect to their capability to measure degradation (ageing) concerning determination of life time.
- Demonstrate the equivalent safety level for known examples
- For safety level comparison, the group needs current failure rate in service
- Come back to the OMCs specific proposal, as a detailed illustration « of an alternative methods »

- Analyze whether there are appropriate NDT methods
- Consider Interactions with standardization (CEN – ISO)

## **2- Agenda for the next meeting:**

**Dates and place:** Paris: 10 & 11th of January 2017 (at CFBP)

**Proposed Agenda:**

- Consider all above mentioned concerns
- Review available data on existing failure rates
- Review the revised general provision (to be circulated before the next meeting)
- Improve the specific provision for OMC, and the justifications (revised version to be circulated before the next meeting)
- Consolidate, in parallel with OMC, the general provision

for presentation **with an inf paper** to the next JM in Bern March 2017 meeting

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