

**Committee of Experts on the Transport of Dangerous Goods
and on the Globally Harmonized System of Classification
and Labelling of Chemicals**

24 June 2014

**Sub-Committee of Experts on the
Transport of Dangerous Goods**

Forty-fifth session

Geneva, 23 June – 02 July 2014

**Item 6 (b) of the provisional agenda:
Transport of gases: miscellaneous**

**Material Requirements regarding elongation for non-
refillable cylinders**

Transmitted by the expert from Portugal

Introduction

1. As to document ST/SG/AC.10/C.3/2014/15 transmitted by the expert of Germany under the title mentioned above, we have several objections, as follows:
 - (a) It seems to us that the proposal to add to the end of 6.2.1.2.2 several minimum elongations at fracture according to the materials is essentially empirical data.
 - (b) For the time being industry (not only in Portugal but around the world) is producing millions of non-refillable cylinders (according to the standards) without any security problem i.e. without any real risk of brittle fracture.
 - (c) As to refillable cylinders it was not taken in consideration other type of tests assuring that there is not a risk of aging under tension, and other security measures.
 - (d) As to non-refillable cylinders the standards are fulfilled and the production for the time being doesn't imply the obligation of heat treatment. The cylinders should already assure that "materials shall be resistant to brittle fracture and stress corrosion cracking".
2. We believe this matter should have more discussion in proper forum in the frame of revision of EN 12205 and ISO11118.

Proposal

3. It is proposed not adopt for the time being the proposal made by Germany.
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