

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

Sub-Committee of Experts on the Transport of Dangerous Goods

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Transport of gases: miscellaneous

Corrections to paper ST/SG/AC.10/C.3/2013/61 and INF.13

Submitted by the International Organisation for Standardisation (ISO)

Introduction

1. Several errors have been pointed out in the papers 2013/61 and INF.13. This paper gives essential corrections in the form of replacement paragraphs showing the exact text proposed for adoption.

Correction to ST/SG/AC.10/C.3/2013/61

2. Replace paragraph 8 with the following:

8. Add three new rows to the table in 6.2.2.1.2 below the entry for ISO 11120 and add the notes 1 and 2 of 6.2.2.1 specifying restrictions on composite cylinders as (agreed the forty third session), suitably amended to apply to tubes. Amend the new marking requirements and supporting definitions to apply to tubes. Amendments are shown underlined.

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Reference	Title	Applicable for manufacture
ISO 11119-1:2012	Gas cylinders – Refillable composite gas cylinders and tubes – Design, construction and testing – Part 1: Hoop wrapped fibre reinforced composite gas cylinders and tubes up to 450 l	Until further notice
ISO 11119-2:2012	Gas cylinders – Refillable composite gas cylinders and tubes – Design, construction and testing – Part 2: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with load-sharing metal liners	Until further notice
ISO 11119-3:2013	Gas cylinders – Refillable composite gas cylinders and tubes – Design, construction and testing – Part 3: Fully wrapped fibre reinforced composite gas cylinders and tubes up to 450 l with non-load-sharing metallic or non-metallic liners	Until further notice

NOTE 1: In the above referenced standards composite tubes shall be designed for a design life of not less than 15 years.

NOTE 2: Composite tubes with a design life longer than 15 years shall not be filled after 15 years from the date of manufacture, unless the design has successfully passed a service life test programme. The programme shall be part of the initial design type approval

and shall specify inspections and tests to demonstrate that tubes manufactured accordingly remain safe to the end of their design life. The service life test programme and the results shall be approved by the competent authority of the country of approval that is responsible for the initial approval of the tube design. The service life of a composite tube shall not be extended beyond its initial approved design life.”

Amend the following definitions in 1.2.1 adopted at the forty third session:

"Service life, for composite cylinders and tubes, means the number of years the cylinder or tube is permitted to be in service;"

"Design life, for composite cylinders and tubes, means the maximum life (in number of years) to which the cylinder or tube is designed and approved in accordance with the applicable standard;"

In 6.2.2.7.4 amend the following subparagraphs and note as shown:

- “(q) For composite cylinders and tubes having a limited design life, the letters “FINAL” followed by the design life shown as the year (four digits) followed by the month (two digits) separated by a slash (i.e. “/”).
- (r) For composite cylinders and tubes having a limited design life greater than 15 years and for composite cylinders and tubes having non-limited design life, the letters “SERVICE” followed by the date 15 years from the date of manufacture (initial inspection) shown as the year (four digits) followed by the month (two digits) separated by a slash (i.e. “/”).

NOTE: *Once the initial design type has passed the service life test programme requirements in accordance with 6.2.2.1.1 NOTE 2 or 6.2.2.1.2 NOTE 2 future production no longer requires this initial service life mark. The initial service life mark shall be made unreadable on cylinders and tubes of a design type that has met the service life test programme requirements.”*

Correction to UN/SCETDG/INF.13

- 3. Replace paragraph 2 with the following:
 - 2. Amend the text of 4.1.4.1 P200 (4) special packing instruction ‘p’ as shown. New text is underlined.

“p: For UN 1001 acetylene, dissolved, and UN 3374 acetylene, solvent free: cylinders shall be filled with a homogeneous monolithic porous material; the working pressure and the quantity of acetylene shall not exceed the values prescribed in the approval or in ISO 3807 1:2000, ~~or~~ ISO 3807-2:2000 or ISO 3807:2013, as applicable.

For UN No. 1001 acetylene, dissolved: cylinders shall contain a quantity of acetone or suitable solvent as specified in the approval (see ISO 3807-1:2000, ~~or~~ ISO 3807-2:2000 or ISO 3807:2013, as applicable); cylinders fitted with pressure relief devices or manifolded together shall be carried vertically.

A test pressure of 52 bar shall be applied only to cylinders fitted with a fusible plug conforming to ISO 3807 2:2000.”