



危险物品专家组 (DGP)

第二十九次会议

2023年11月13日至17日，蒙特利尔

议程项目 2: 管理航空特有的安全风险和查明异常情况 (编号: REC-A-DGS-2025)

2.2: 如有必要, 拟定对《危险物品安全航空运输技术细则》(Doc 9284 号文件) 的修订提案, 以便纳入 2025 年—2026 年版

装有易燃气体的不可再充装气瓶的限值

(由 D. Brennan 提交)

摘要

本工作文件建议修订第 4 部分 1.1.9, 对装有易燃气体的不可再充装气瓶规定 1.25 升的限值, 以便与《联合国规章范本》的规定保持一致。

危险物品专家组的行动在第 2 段。

1. INTRODUCTION

1.1 It has been identified that a limitation on the capacity of non-refillable pressure receptacles (cylinders and cryogenic receptacles) set out in paragraph 4.1.6.1.9 (b) in the UN Model Regulations has not been included into the applicable paragraph of the Technical Instructions.

1.2 The paragraph in the UN Model Regulations reads:

4.1.6.1.9 Non-refillable pressure receptacles shall:

- (a) Be transported in an outer packaging, such as a box, or crate, or in shrink-wrapped trays or stretch-wrapped trays;
- (b) Be of a water capacity less than or equal to 1.25 litres when filled with flammable or toxic gas;
- (c) Not be used for toxic gases with an LC50 less than or equal to 200 ml/m³; and

(d) Not be repaired after being put into service.

1.3 The equivalent paragraph, Part 4;4.1.1.9, in the Technical Instructions reads as follows:

4.1.1.9 Non-refillable cylinders and closed cryogenic receptacles must:

- a) be transported in an outer packaging, such as a box, or crate, or in shrink-wrapped trays or stretch-wrapped trays;
- b) not be repaired after being put into service.

1.4 The omission of subparagraph c) from the Model Regulations is appropriate given the prohibition in air transport of toxic gases, but it is believed that subparagraph b), for flammable gas only, should be included into the Technical Instructions as the restriction is applicable to air transport.

2. **ACTION BY THE DGP**

2.1 The DGP is invited to revise Part 4;4.1.1.9 as shown in the appendix to this working paper.

附录

对《技术细则》第4部分的拟议修订

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第4部分

包装说明

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第4章

第2类—气体

4.1 第2类危险物品的特殊包装规定

4.1.1 一般要求

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4.1.1.9 不可再充装的气瓶和密闭式低温容器必须：

a) 在外包装内运输，例如箱子、板条箱、收缩性薄膜缠绕的托盘、拉伸性薄膜缠绕的托盘；

~~b) 装满易燃气体时水容量小于或等于 1.25 升；~~

~~b)c) 气瓶投入使用后不得修理。~~

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