



工作文件

危险物品专家组 (DGP)

第二十五次会议

2015年10月19日至30日，蒙特利尔

议程项目 2: 拟定对《危险物品安全航空运输技术细则》(Doc 9284号文件)的修订建议，以便纳入2017年—2018年版

1.4C 项下UN0501 — 固态推进剂的仅限货机包装件的限值

(由A. Stubblefield提交)

摘要

本工作文件请专家组审议对UN0501 包装说明和最大净量限制的一项修改，以便与表3-1“危险物品表”中的其他1.4C项条目保持一致，也符合关于专家组协助拟定《技术细则》及其辅助文件的现行指导。

危险物品专家组的行动：请危险物品专家组通过本工作文件附录B所示的以下修改，修订表3-1中的危险物品条目UN 0501，固态推进剂：

- a) 修改第12栏，提及包装说明114；和
- b) 修改第13栏，明确规定每个包装件最大净量是75 kg。

1. INTRODUCTION

1.1 A recent review of the fourteen current Division 1.4C dangerous goods (see Appendix A to this paper for a complete list) revealed that only UN 0501 “Propellant, solid” is forbidden for transport on cargo aircraft, whilst the other Division 1.4C dangerous goods are allowed to be offered for transport on cargo aircraft with a net quantity up to 75 kg per package.¹

¹ DGP-WG/15-WP/13 proposed to amend Table 3-1 to include a new entry UN0510, Rocket Motors, 1.4C and a maximum 75 kg net quantity per package when transported aboard cargo aircraft. If this new entry is adopted by the DGP there will be a total of fourteen 1.4C entries.

1.2 Of the fourteen Division 1.4C dangerous goods list entries, two entries (UN 0501 “Propellant, solid”, and the more specific UN 0509 “Powder, smokeless” would be expected to exhibit the most substantially similar physical characteristics, yet have differing maximum quantity limits. Smokeless powder is a specific type of “Propellant, solid” containing nitrocellulose as an essential ingredient, and the Division 1.4C “Propellant, solid” and “Powder, smokeless” characteristics are substantially similar.

1.3 The United Nations Working Group on Explosives discussed the physical characteristics of UN 0501 during its most recent meeting (June 2015) to determine if there are differences between the risks in transport posed by UN 0501 and other division 1.4C entries including UN 0509. The working group could identify no differences between the risks in transport of UN 0501 and the other 1.4C entries. The working group invited ICAO to review the issue further and address it with an appropriate proposal.²

1.4 Based on the results of the UN technical review and a review of Table 1 “Maximum Net Quantities Per Package For Dangerous Goods With Only A Primary Hazard” and Section 4.8 of the “Guidance for the Panel to Aid in Preparation of the Technical Instructions and Supporting Documents”, it is proposed that the quantity and packaging authorizations for UN 0501 be aligned with those of other 1.4C materials.

2. ACTION BY THE DGP

2.1 The DGP is invited to amend the Table 3-1 dangerous goods list entry for UN 0501, Propellant, solid by revising:

- c) Column 12 to refer to Packing Instruction 114; and
- d) Column 13 to specify a 75 kg maximum net quantity per package

as shown in Appendix B to this working paper.

² UN/SCETDG/47/INF.53

附录A

摘自表3-1 — 2015-2016年版《技术细则》所示的1.4C项下的危险物品条目

表3-1危险物品表内的1.4C项下的条目

名称	UN 编号	类别或 项别	客机和货机	仅限于货机
			每个包装件最大净量	每个包装件最大净量
Articles, explosive, n.o.s. 爆炸性物品, 未另作规定的*	0351	1.4C	禁运	75 kg
Cartridges for weapons, blank or Cartridges, small arms, blank 武器弹药筒, 无弹头, 或轻武器弹药筒, 无弹头	0338	1.4C	禁运	75 kg
Cartridges for weapons, inert projectile or Cartridges, small arms 武器弹药筒, 带惰性射弹, 或轻武器弹药筒	0339	1.4C	禁运	75 kg
Cartridges, oil well 油井用弹药筒	0278	1.4C	禁运	75 kg
Cartridges, power device 动力装置用弹药筒	0276	1.4C	禁运	75 kg
Cases, cartridges, empty with primer 空弹药筒壳, 带有起爆器	0379	1.4C	禁运	75 kg
Cases, combustible, empty without primer 可燃空弹壳, 无起爆器	0446	1.4C	禁运	75 kg
Charges, propelling 推进剂	0491	1.4C	禁运	75 kg
5-mercaptotetrazol-1-acetic acid 5-巯基四唑-1-乙酸	0448	1.4C	禁运	75 kg
Powder, smokeless 无烟火药	0509	1.4C	禁运	75 kg
Propellant, solid 固态推进剂	0501	1.4C	禁运	禁运
Rockets, with expelling charge 火箭, 带有发射剂	0438	1.4C	禁运	75 kg
Substances, explosive 爆炸性物质	0479	1.4C	禁运	75 kg
Tetrazol-1-acetic acid 四唑-1-乙酸	0407	1.4C	禁运	75 kg

附录B

对《技术细则》的拟议修订

第3部分

危险物品表，特殊规定和限制数量与例外数量

...

第2章

危险物品表（表3-1）的编排

...

表 3-1 危险物品表

名称	UN 编号	类别或项 别	次要危险性	标签	国家差 异条款	特殊规 定	UN 包装等 级	例外数量	客机		货机	
									包装说明	每个包 装件最 大净量	包装说明	每个包装 件最大净 量
1	2	3	4	5	6	7	8	9	10	11	12	13
Propellant, solid 固态推进剂	0501	9	1.4C						禁运		禁运	
											114	75 kg
...												

...