



WORKING PAPER

**DANGEROUS GOODS PANEL (DGP)
MEETING OF THE WORKING GROUP OF THE WHOLE**

Montréal, 15 to 19 October 2012

Agenda Item 2: Development of recommendations for amendments to the *Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)* for incorporation in the 2015-2016 Edition

2.8: Part 8 — Provisions Concerning Passengers and Crew

GAS CARTRIDGES CARRIED BY PASSENGERS

(Presented by G A Leach)

SUMMARY

This working paper proposes an amendment to Table 8-1 of the Technical Instructions to restrict the carriage of small gas cartridges to only those without a subsidiary risk.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 DGP-WG/11-WP/14 proposed an amendment to Table 8-1 to allow passengers to carry small cartridges containing carbon dioxide or other suitable gases in Division 2.2. This was mainly to allow for equipment such as safety vests and bicycle tyre inflators to be carried by passengers since such items were not covered by the existing text that restricted the cartridges to those for self-inflating life-jackets. The amendment was agreed for introduction into the 2013-2014 Edition of the Technical Instructions.

1.2 Within Table 3-1 of the Technical Instructions, there are two entries for Gas cartridges in Division 2.2, one without a subsidiary risk and one with a subsidiary risk of Division 5.1.

1.3 The United Kingdom Civil Aviation Authority recently received notification of passengers attempting to carry small gas cartridges containing nitrous oxide, a Division 2.2 gas, with a subsidiary risk of division 5.1. It was reported that such items are starting to be used to provide a 'legal high' and therefore attempted carriage by passengers is likely to increase.

1.4 It is suggested that when the Dangerous Goods Panel agreed to change the passenger provisions to permit other gas cartridges to be carried, it was not with the intention of permitting such

items containing nitrous oxide, nor any other gas with a subsidiary risk. If such items are needed for legitimate medicinal purposes, it is suggested that this can be done under the existing provisions for non-radioactive medicinal articles in Table 8-1 3). Therefore, it is proposed that an amendment be made to Table 8-1, item 18) to clarify the matter.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to consider amending Table 8-1 of the Technical Instructions as shown in the appendix to this working paper.

2.2 If the amendment is agreed, it is suggested that it should be incorporated into the 2013-2014 Edition of the Technical Instructions at the earliest opportunity.

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APPENDIX

PROPOSED AMENDMENT TO PART 8 OF THE TECHNICAL INSTRUCTIONS

Part 8

PROVISIONS CONCERNING
PASSENGERS AND CREW

Chapter 1

PROVISIONS FOR DANGEROUS GOODS
CARRIED BY PASSENGERS OR CREW

Parts of this Chapter are affected by State Variations CH 1, US 15; see Table A-1

1.1 DANGEROUS GOODS CARRIED BY PASSENGERS OR CREW

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Table 8-1. Provisions for dangerous goods carried by passengers or crew

Items or articles	Location			Approval of the operator(s) is required	The pilot-in-command must be informed	Restrictions
	Checked baggage	Carry-on baggage	On the person			
Consumer articles						
18) Small cartridges fitted into a self-inflating life-jacket	Yes	Yes	Yes	Yes	No	a) limited to carbon dioxide or another suitable gas in Division 2.2; b) must be for inflation purposes; c) no more than two small cylinders of carbon dioxide or another suitable gas in Division 2.2 fitted in the life-jacket, per person; and d) no more than two spare cartridges.
Small cartridges for other devices	Yes	Yes	Yes	Yes	No	a) no more than four small cylinders of carbon dioxide or other suitable gas in Division 2.2, <u>without subsidiary risk</u> , per person; and b) the water capacity of each cylinder must not exceed 50 mL. <i>Note.— For carbon dioxide, a gas cylinder with a water capacity of 50 mL is equivalent to a 28 g cartridge.</i>

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