



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

Montréal, 15 to 19 April 2013

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

SELF-INFLATING SAFETY DEVICES

(Presented by J. McLaughlin)

SUMMARY

This document comments on WG/13 – WP/21 submitted by D. Brennan (IATA) and proposes to create a generic passenger exception for self-inflating safety devices that only contain small cartridges or cylinders of Division 2.2 gas in Table 8-1.

Action by the DGP: The DGP is invited to consider proposals to address the creation of a generic passenger exception for self-inflating safety devices presented in the appendix.

1. INTRODUCTION

1.1 In WG/13 – WP/21 as presented by D. Brennan (IATA) it is proposed to consolidate the passenger exception entries in Table 8-1 for avalanche rescue backpacks containing a cylinder of compressed gas of Division 2.2 and small cartridges fitted into a self-inflating life-jacket into a single generic entry for self-inflating safety devices. In general, we support development of a generic entry for self-inflating safety devices; however, such an entry should exclude devices that contain explosives. Self-inflating safety devices that do contain explosives should be treated as a different category and, for the time being, these safety devices should continue to have separate entries to ensure that new designs containing explosives are thoroughly reviewed prior to acceptance on board passenger aircraft.

1.2 On this basis, it is proposed to create a generic passenger exception entry for self-inflating safety devices that only contain small cartridges or cylinders of compressed gas of Division 2.2 in Table 8-1

with a view that devices that also contain explosives would continue to have separate entries in the table. In this respect, the existing passenger exception entry for avalanche rescue backpacks would be retained.

APPENDIX

AMENDMENTS TO THE TECHNICAL INSTRUCTIONS

Part 8

**PROVISIONS CONCERNING
PASSENGERS AND CREW**

Chapter 1

**PROVISIONS FOR DANGEROUS GOODS
CARRIED BY PASSENGERS OR CREW**

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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

<i>Items or articles</i>	<i>Location</i>			<i>Approval of the operator(s) is required</i>	<i>The pilot-in-command must be informed</i>	<i>Restrictions</i>
	<i>Checked baggage</i>	<i>Carry-on baggage</i>	<i>On the person</i>			
...						
Consumer articles						
...						
17) Avalanche rescue backpack containing a cylinder of compressed gas of Division 2.2	Yes	Yes	No	Yes	No	a) no more than one per person; b) may contain a pyrotechnic trigger mechanism which must not contain more than 200 mg net of Division 1.4S; c) the backpack must be packed in such a manner that it cannot be accidentally activated; and d) the airbags within the backpack must be fitted with pressure relief valves.

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			
18) Small cartridges fitted into a self-inflating life jacket self-inflating personal safety devices such as life-jackets and vests	Yes	Yes	Yes	Yes	No	<p>a) no more than one per person;</p> <p>b) the personal safety device must be packed in such a manner that it cannot be accidentally activated;</p> <p>a) c) limited to carbon dioxide or another suitable gas in Division 2.2;</p> <p>d) b) must be for inflation purposes;</p> <p>e) e) 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</p> <p>f) d) no more than two spare cartridges.</p>
Small cartridges for other devices	Yes	Yes	Yes	Yes	No	<p>a) no more than four small cylinders of carbon dioxide or other suitable gas in Division 2.2, per person; and</p> <p>b) the water capacity of each cylinder must not exceed 50 mL.</p> <p><i>Note.— For carbon dioxide, a gas cylinder with a water capacity of 50 mL is equivalent to a 28 g cartridge.</i></p>

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