



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

MARKING OF FUEL CELL CARTRIDGES

(Presented by A.Tušek)

SUMMARY

This paper presents a proposed addendum to the provisions for passengers and crew relating to fuel cell cartridges. The provisions currently allow up to two spare fuel cartridges to be carried in checked baggage. However, a required marking of fuel cell cartridges is “APPROVED FOR CARRIAGE IN AIRCRAFT CABIN ONLY”.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 The provisions for dangerous goods carried by passengers and crew allow up to two spare fuel cell cartridges to be carried in checked baggage.

1.2 A marking on fuel cells currently required in compliance with the provisions is “APPROVED FOR CARRIAGE IN AIRCRAFT CABIN ONLY”.

1.3 This mandatory marking is certain to cause confusion, particularly at checked bag screening, as up to two spare fuel cell cartridges are permitted in checked baggage, contrary to the indication of the marking that they are approved for carriage only in the cabin of an aircraft.

2. **ACTION BY THE DGP-WG**

2.1 The DGP-WG is invited to consider amending the wording of the marking as presented in the appendix to this working paper.

APPENDIX

PROPOSED AMENDMENT TO THE TECHNICAL INSTRUCTIONS

Part 8

**PROVISIONS CONCERNING
PASSENGERS AND 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>			Approval of the operator(s) is required	The pilot-in-command must be informed	<i>Restrictions</i>
	Checked baggage	Carry-on baggage	On the person			

...

Consumer articles

20) Fuel cells used to power portable electronic devices (for example, cameras, cellular phones, laptop computers and camcorders)	No	Yes	Yes	No	No	... i) fuel cells must be of a type that will not charge batteries when the portable electronic device is not in use and must be durably marked by the manufacturer: "APPROVED FOR CARRIAGE IN AIRCRAFT CABIN ONLY" to so indicate; and ...
Spare fuel cell cartridges	Yes	Yes	Yes	No	No	

...

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