



WORKING PAPER

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

Memphis, 30 April to 4 May 2007

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 2009/2010 Edition

2.8: Part 8 — Provisions Concerning Passengers and Crew

BATTERIES CARRIED BY PASSENGERS OR CREW

(Presented by R. Richard)

SUMMARY

This paper invites the DGP-WG to consider enhancing protection against short-circuit of batteries carried by passengers or crew.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 As is evident from information regarding battery incidents recently provided to the Panel, a growing number of incidents have occurred in relation to batteries carried aboard aircraft by passengers or crew. In several instances, poor or non-existent insulation of exposed terminals has been determined to be the cause of the incident.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to amend 8;1.1.2 q) as follows:

- q) consumer electronic devices (watches, calculating machines, cameras, cellular phones, laptop computers, camcorders, etc.) containing lithium or lithium ion cells or batteries when carried by passengers or crew for personal use. Spare batteries must be individually protected so as to prevent short circuits (by placement in original retail packaging or by otherwise insulating terminals, e.g., by taping over exposed terminals or placing each battery in a separate plastic bag or protective pouch) and

carried in carry-on baggage only. In addition, each spare battery must not exceed the following quantities:

- for lithium metal or lithium alloy batteries, a lithium content of not more than 2 grams; or
- for lithium ion batteries, an aggregate equivalent lithium content of not more than 8 grams.

— END —