



**WORKING PAPER**

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

Atlantic City, United States, 4 to 8 April 2011

**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 2013-2014 Edition**

**2.8: Part 8 — Provisions Concerning Passengers and Crew**

**ELECTRICAL BATTERY OR ELECTRICAL POWERED DEVICE CONTAINING NON-SPILLABLE BATTERIES**

(Presented by M. Evans)

**SUMMARY**

This paper proposes that the requirements of Special Provision A67 that applies to the carriage of non-spillable batteries be included in the passenger provisions.

Action by the DGP-WG is in paragraph 2.

**1. INTRODUCTION**

1.1 Special Provision A67 states that non-spillable batteries meeting the requirements of Packing Instruction 872 are not subject to the Technical Instructions if, at a temperature of 55°C, the electrolyte will not flow from a ruptured or cracked case and that the battery must not contain any free or unabsorbed liquid.

1.2 Also included within Special Provision A67 are the requirements that must be met if the battery or battery powered device has the potential of creating a dangerous evolution of heat. These include the disconnection of the battery and the protection of the exposed terminals, and measures taken to prevent unintentional activation.

1.3 There are now on the market a number of electrical powered devices that contain these types of batteries that are being carried by passengers. These include large toys, portable camping lamps, torches etc., and while these may not create a dangerous evolution of heat it is felt that some requirements should be put in place for their safe carriage.

1.4 While there is information included in 1.1.2(e) on the requirements that must be followed when these batteries are used to power mobility aids, there is no information available to the passenger on the requirements for the carriage of these items if carried separately or contained in other electrical devices.

1.5 To clarify the carriage of these batteries it is felt that the requirements contained in Special Provision A67 should be included within the provisions for dangerous goods carried by passengers or crew.

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

2.1 The DGP-WG is invited to amend Part 8: chapter 1.1.2 to include the following:

### *Consumer articles*

Non-spillable batteries or battery powered devices containing non-spillable batteries, which comply with Special Provision A67, provided the battery is protected from short circuit by the effective insulation of exposed terminals, or, in the case of equipment, by the disconnection of the battery and protection of exposed terminals or the prevention of inadvertent activation.

— END —