



WORKING PAPER

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

The Hague, 3 to 7 November 2008

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 2011/2012 Edition

2.1: Part 1 — General

EXCEPTIONS FOR DANGEROUS GOODS OF THE OPERATOR

(Presented by D. Brennan)

SUMMARY

This paper proposes revisions to Part 1;2.2 of the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284) to permit operators to carry and use in an aircraft during flight devices powered by lithium batteries and to carry in the cabin spare lithium batteries for these devices.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 Part 1;2.2 is titled “Exceptions for Dangerous Goods of the Operator” and the section provides for a general exception for operators from the Technical Instructions for three categories of articles and substances.

1.2 Recently there have been enquiries from a number of airlines regarding the carriage and use of battery-powered devices such as laptop computers (electronic flight bag), personal DVD players for premium class passengers and credit card readers used by cabin crew for duty-free sales. All of these devices use lithium metal or rechargeable lithium-ion batteries. To ensure the availability of the device for the duration of the flight the airlines also need to have a supply of spare batteries.

1.3 A review of the provisions of Part 1;2.2 identifies that there is nothing that clearly permits the carriage and use of such battery-powered devices or of spare batteries. Although it could be argued that the State of the operator could authorize the carriage and use of the devices and of spare batteries under Part 1;2.2.1 a) and 1;2.2.2.

1.4 As lithium battery-powered equipment and spare lithium batteries for such equipment may be carried in the cabin by passengers as set out in Part 8;1.1.2 q) it is believed that operators should have a similar capability provided that the lithium batteries meet the same conditions as those imposed on passengers.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to revise Part 1;2.2 as follows:

2.2 EXCEPTIONS FOR DANGEROUS GOODS OF THE OPERATOR

2.2.1 The provisions of these Instructions do not apply to the following:

- a) articles and substances which would otherwise be classified as dangerous goods but which are required to be aboard the aircraft in accordance with the pertinent airworthiness requirements and operating regulations or that are authorized by the State of the Operator to meet special requirements;
- b) aerosols, alcoholic beverages, perfumes, colognes, safety matches and liquefied gas lighters carried aboard an aircraft by the operator for use or sale on the aircraft during the flight or series of flights, but excluding non-refillable gas lighters and those lighters liable to leak when exposed to reduced pressure;
- c) dry ice intended for use in food and beverage service aboard the aircraft.
- d) electronic devices such as electronic flight bags, personal entertainment devices, credit card readers, containing lithium metal or lithium ion cells or batteries and spare lithium batteries for such devices carried aboard an aircraft by the operator for use on the aircraft during the flight or series of flights, provided that the batteries meet the provisions of Part 8;1.1.2 q). Spare lithium batteries must be individually protected so as to prevent short circuits when not in use. Conditions for the carriage and use of these electronic devices and for the carriage of spare batteries must be provided in the operations manual and/or other appropriate manuals as will enable flight crew, cabin crew and other employees to carry out their responsibilities.

2.2.2 Unless otherwise authorized by the State of the Operator, articles and substances intended as replacements for those referred to in 2.2.1 a), or articles and substances referred to in 2.2.1 a) which have been removed for replacement, must be transported in accordance with the provisions of these Instructions, except that when consigned by operators, they may be carried in containers specially designed for their transport, provided such containers are capable of meeting at least the requirements for the packagings specified in these Instructions for the items packed in the containers.

2.2.3 Unless otherwise authorized by the State of the Operator, articles and substances intended as replacements for those referred to in 2.2.1 b) and c) must be transported in accordance with the provisions of these Instructions.

2.2.4 Unless otherwise authorized by the State of the Operator, battery-powered devices with installed batteries and spare batteries intended as replacements for those referred to in 2.2.1 d) must be transported in accordance with the provisions of these Instructions.

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