International Civil Aviation Organization

WORKING PAPER

DGP-WG/05-WP/46
12/4/05

DANGEROUS GOODS PANEL (DGP)

MEETING OF THE WORKING GROUP OF THE WHOLE

Montreal, 18 to 22 April 2005

Agenda Item 2: Development of recommendations for amendments to the *Technical Instructions* for incorporation in the 2007/2008 edition
2.3: Part 3 — Dangerous Goods List and Limited Quantities Exceptions
2.4: Part 4 — Packing Instructions

COMMENTS ON DGP-WG/05-WP/8, FUEL CELL CARTRIDGES CONTAINING FLAMMABLE LIQUIDS

(Presented by R. Richard)

1. INTRODUCTION

1.1 In the papers prepared by the Secretary to incorporate the UN amendments into the next edition of the TI, the proposed requirements for Fuel Cell Cartridges, UN 3473 are incomplete. WP/8 does not provide a complete proposal in terms of quantity limits and a suitable packing instruction. The proposed entry cannot be included in the TI unless this is completed. This paper is intended to address the appropriate provisions necessary for incorporation of the new Fuel Cell Cartridges, UN 3473 provisions in the 2007-2008 TI.

2. PROPOSAL

2.1 To complete the entry for "**Fuel cell cartridges** containing flammable liquids" (UN 3473) as proposed by the Secretary in DGP-WG/05-WP/8, the following additional amendments are proposed:

a) in the proposed entry, insert the following in columns 9, 10, 11 and 12, respectively: "31X", "5L", "31X" and "60L"; and

b) in Part 4, Chapter 5, insert the following new packing instruction "31X" in appropriate numerical sequence:

31X	PACKING INSTRUCTION 31X	31X

This instruction applies to UN 3473 on Passenger aircraft and Cargo Aircraft Only.

The general packing requirements of Part 4, Chapter 1 must be met, except that the requirements of 4;1.1.2, 1.1.13, and 1.1.16 to 1.1.21 do not apply.

Fuel cell cartridges must be packed in strong outside packagings. When fuel cell cartridges are packed with equipment, they must be packed in inner packagings or placed in the outer packaging with cushioning material so that the cartridges are protected against damage that may be caused by the movement or placement of the equipment and the cartridges within the outer packaging.

Fuel cell cartridge design types must be shown without their packaging to pass an internal pressure test at a pressure of 100 kPa (gauge).

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