



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

2.7: Part 7 — Operator's Responsibilities

STACKING OF INTERMEDIATE BULK CONTAINERS

(Presented by G A Leach)

SUMMARY

This paper proposes that an IBC containing dangerous goods must be loaded in accordance with its maximum permitted stacking load.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 The Technical Instructions permits the use of Intermediate Bulk Containers (IBCs) for the transport of UN 3077 Environmentally hazardous substance, solid, n.o.s. Separate markings are applicable to IBCs capable of being stacked and those not capable of being stacked as per Part 6;2.4.3 of the ICAO Technical Instructions. For IBCs capable of being stacked, the maximum permitted stacking load applicable when the IBC is in use must be displayed on the applicable symbol.

1.2 IBCs containing UN 3077 Environmentally hazardous substance, solid, n.o.s. might be stacked or placed beneath other cargo when loaded on an aircraft, however, there is no corresponding requirement for the operator to ensure that the maximum permitted stacking load is not exceeded. In such circumstances there is potential for IBCs to sustain damage in transport and for spillage of the dangerous goods to occur.

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

2.1 The DGP-WG is invited to consider an addition to Part 7;2 of the Technical Instructions :

Part 7

OPERATOR'S RESPONSIBILITIES

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Chapter 2

STORAGE AND LOADING

Parts of this Chapter are affected by State Variations AE 6, CA 1, CA 4, IR 2, JP 10, JP 11, JP 12, JP 22, US 15; see Table A-1

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2.13 HANDLING OF SELF-REACTIVE SUBSTANCES AND ORGANIC PEROXIDES

During the course of transport, packages or unit load devices containing self-reactive substances of Division 4.1 or organic peroxides of Division 5.2 must be shaded from direct sunlight, stored away from all sources of heat in a well-ventilated area.

2.14 LOADING OF INTERMEDIATE BULK CONTAINERS (IBCs)

2.14.1 During the course of transport, an intermediate bulk container (IBC) that is not capable of being stacked (as indicated by the marking required by Part 6;2.4.3 of these Instructions) must not be stacked or placed beneath other cargo, mail, stores or baggage.

2.14.2 During the course of transport, the maximum permitted stacking load of an IBC that is capable of being stacked (as indicated by the marking required by Part 6;2.4.3 of these Instructions) must not be exceeded.

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