



WORKING PAPER

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

Montréal, 15 to 19 October 2012

- 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 2015-2016 Edition**
2.7: Part 7 — Operator's Responsibilities

STOWAGE OF TOXIC AND INFECTIOUS SUBSTANCES

(Presented by D. Brennan)

SUMMARY

This working paper proposes a review of the limitation on stowage of toxic and infectious substances with live animals and foodstuffs.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 Part 7;2.8 of the Technical Instructions sets out the loading and segregation requirements for substances of Class 6, including substances labelled with a subsidiary risk toxic hazard label and animals, substances marked or known to be foodstuffs or other edible substances intended for consumption by humans or animals.

1.2 The provisions of 7;2.8 limit the loading of these substances / animals to separate compartments unless loaded into separate unit load devices (ULDs) and loaded non-adjacent loading positions or the ULDs are closed units.

1.3 The use of the term “compartment” when applied in sense associated with cargo compartment classification as described in the *Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods* (Doc 9481) significantly limits the ability of operators to manage loading of foodstuffs and animals with dangerous goods bearing either a toxic or infectious substance hazard label.

1.4 This restriction is particularly significant when considering the aft hold (compartment) of containerized aircraft. Typically these aircraft, particularly wide-body aircraft, have the aft hold divided with the major forward portion, which is designed to hold ULDs, and a smaller aft portion, which is designed for bulk loading (non-containerized). The bulk hold as it is generally referred to, is often used to transport pets that are checked in as part of passenger baggage. However, the restrictions set out in Part 7;2.8 create issues in being able to transport these animals as there is no provision made for goods or animals that are not loaded into a ULD.

1.5 The initial proposal is that there be allowance made for the presence of this bulk loading position in an otherwise containerised hold (compartment). However, the DGP-WG is also invited to consider if these stowage and loading restrictions are still valid. It should be noted that while 7.1.7.1.1 in the UN Model Regulations has similar segregation provisions for substances in Division 6.1, no such restriction exists for infectious substances.

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to:

- a) revise Part 7.2.9 as shown in the appendix to this working paper.
- b) consider if the restrictions for stowage and loading in Part 7;2.8 should be reviewed to:
 - 1) consider a relaxation on the stowage and loading of substances bearing a Division 6.1 hazard label to take account of considerations such as the packaging standards that apply to such substances, e.g. combination packagings, single packagings required to have a liner when the packaging type is not impervious; and
 - 2) consider an allowance for the stowage and loading of substances bearing a Division 6.1 hazard label in non-containerized cargo compartments, i.e. bulk loaded cargo compartments. In effect stowage of toxic substances in bulk loaded would be no different to the current allowance for stowage of these substances in open unit load devices in non-adjacent loading positions.

APPENDIX

PROPOSED AMENDMENT TO 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 CA 1, CA 4, IR 2, IR 4,
JP 10, JP 11, JP 12, US 15; see Table A-1*

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2.9 STOWAGE OF TOXIC AND INFECTIOUS SUBSTANCES

Substances of ~~Class 6 (toxic and category A infectious substances)~~ Division 6.1 and substances requiring a subsidiary risk "Toxic" label must not be carried in the same compartment of an aircraft with animals, substances marked as or known to be foodstuffs, feeds or other edible substances intended for consumption by humans or by animals, unless either the toxic or ~~category A infectious substances~~ and the foodstuffs or animals are loaded in separate unit load devices and when stowed aboard the aircraft the unit load devices are not adjacent to each other, or the toxic or ~~category A infectious substances~~ are loaded in one closed unit load device and the foodstuffs or animals are loaded in another closed unit load device.

Note.— For the purposes of this paragraph, a bulk cargo [compartment] located within a containerized cargo compartment is considered as an open unit load device.

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