



WORKING PAPER

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

Montréal, 15 to 19 April 2013

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

2.1 : Part 1 — General

BUNDLES OF CYLINDERS

(Presented by Micheline Paquette)

SUMMARY

This working paper proposes to modify the definition of “Bundles of cylinders” to include part of the definition found in the *UN Model Regulations*.

Action by the DGP-WG is in paragraph 2.

1. INTRODUCTION

1.1 Part 1;3 in the Technical Instructions provides a definition for “Bundles of cylinders”. It states:

“Bundles of cylinders. (See UN Recommendations, Chapter 1.2). Not permitted for air transport.”

1.2 The definition has created some confusion to cargo acceptance staff who assume when two or more cylinders are fastened to a pallet, they constitute a “bundle” (see Figure 1).

1.3 The definition found in the *UN Model Regulations* brings an important element in that the cylinders are interconnected by a manifold in addition to being fastened together. It states:

“Bundle of cylinders means an assembly of cylinders that are fastened together and which are interconnected by a manifold and transported as a unit. The total water capacity shall not exceed 3 000 litres except that bundles intended for the transport of gases of Division 2.3 shall be limited to 1 000 litres water capacity.”

1.4 In order to avoid any further misunderstanding, we suggest that a portion of the definition of the UN recommendations be incorporated in the definition of the Technical Instructions.



Figure 1 - Two cylinders fastened to a pallet but not interconnected by a manifold

2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to consider revision the definition of “Bundles of cylinders” as shown in the appendix of this working paper.

APPENDIX

PROPOSED AMENDMENT TO PART 1 OF THE TECHNICAL INSTRUCTIONS

Part 1

GENERAL

...

Chapter 3

GENERAL INFORMATION

Parts of this Chapter are affected by State Variation BE 1; see Table A-1

3.1 DEFINITIONS

...

Bundles of cylinders. An assembly of cylinders that are fastened together and which are interconnected by a manifold and transported as a unit. (See UN Recommendations, Chapter 1.2). Not permitted for air transport.

...

— END —