



**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**

**2.4: Part 4 — Packing Instructions**

**PACKING INSTRUCTION 602 – INTERNAL PRESSURE AND TEMPERATURE TESTS**

(Presented by M. Evans)

**SUMMARY**

This working paper proposes to clarify the testing requirements for the primary receptacle or secondary packaging.

Action by the DGP-WG is in paragraph 2.

**1. INTRODUCTION**

1.1 Paragraph e) of Packing Instruction 602 of the Technical Instructions requires that the primary receptacle or secondary packaging must be capable of withstanding, without leakage, an internal pressure producing a pressure differential of not less than 95 kPa and temperatures in the range of -40°C to +55°C.

1.2 This has been interpreted by some packaging manufacturers as requiring the primary receptacle or secondary packaging to withstand an internal pressure producing a pressure differential of not less than 95 kPa at all temperatures between -40°C and +55°C.

1.3 To clarify the pressure and temperature requirements for the primary receptacle or secondary packaging, it is proposed to amend paragraph e) to clearly define the performance criteria that these items must meet. This will require that the primary receptacle or secondary packaging must comply with the internal standard pressure criteria as is required for all other inner packagings containing liquids, and also comply with a separate temperature requirement.

1.4 The initial statement in paragraph e) regarding the intended temperature of the consignment has also been queried as this does not appear to add anything to the testing requirement and this statement has been removed from the amended wording.

## 2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to amend the Packing Instruction 602 paragraph e) as follows:

602	PACKING INSTRUCTION 602	602
...		
e) <del>Whatever the intended temperature of the consignment, the primary receptacle or the secondary packaging must be capable of withstanding, without leakage, all temperatures in the range of -40°C to +55°C. The primary receptacle or secondary packaging must also be capable of withstanding, without leakage, an internal pressure producing a pressure differential of not less than 95 kPa and temperatures in the range -40°C to +55°C.</del>		
...		

— END —