



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTY-SECOND MEETING

Montréal, 5 to 16 October 2009

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

SPECIAL PROVISION A152

(Presented by G. A. Leach)

SUMMARY

This working paper proposes amendment to Special Provision A152 in order to ensure that any outer packagings or overpacks used for dry shippers are closed in such a way as to prevent a build-up of pressure within those packagings.

Action by the DGP: The DGP is invited to amend Special Provision A152 as presented in the appendix.

1. INTRODUCTION

1.1 Special Provision A152 relates to insulated packagings containing refrigerated liquid nitrogen fully absorbed in a porous material, commonly known as dry shippers. When dry shippers are used to contain non-dangerous products, they are not subject to the other requirements of the *Technical Instructions for the Safe Transport of Dangerous Goods by Air* (Doc 9284), provided that the design of the insulated packaging would not allow the build-up of pressure within the container and would not permit the release of any refrigerated liquid nitrogen irrespective of the orientation of the insulated.

1.2 Recently, the United Kingdom Civil Aviation Authority was advised of an incident where a courier bag that contained a dry shipper was found to have become inflated. The dry shipper itself had been in accordance with Special Provision A152 since it was of a design that did not allow a build-up of pressure within the container itself, but due to the way in which the courier bag was closed, any build up of pressure within the bag could not escape.

1.3 Whilst common sense would suggest that when placing a dry shipper into a courier bag it should be obvious that care should be taken when sealing the bag, Special Provision A152 does not refer to anything other than the container itself, such as any outer packaging or overpack. It is suggested that this could be corrected by an amendment to Special Provision A152.

APPENDIX

AMENDMENT TO THE TECHNICAL INSTRUCTIONS

Part 3

DANGEROUS GOODS LIST,
SPECIAL PROVISIONS AND
LIMITED AND EXCEPTED QUANTITIES

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Chapter 3

SPECIAL PROVISIONS

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Table 3-2. Special provisions

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A152	Insulated packagings containing refrigerated liquid nitrogen fully absorbed in a porous material and intended for transport, at low temperature, of non-dangerous products are not subject to these Instructions provided the design of the insulated packaging would not allow the build-up of pressure within the container and would not permit the release of any refrigerated liquid nitrogen irrespective of the orientation of the insulated packaging <u>and any outer packaging or overpack used is closed in a way that will not allow the build-up of pressure within that packaging or overpack</u> . The words "not restricted" and the special provision number A152 must be provided on the air waybill when an air waybill is issued.
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