



DANGEROUS GOODS PANEL (DGP)

TWENTIETH MEETING

Montréal, 24 October to 4 November 2005

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 2007-2008 Edition

DRY ICE CONTAINED IN A UNIT LOAD DEVICE (ULD), INDICATION ON A ULD

(Presented by J. Abouchaar)

1. BACKGROUND

1.1 At DGP-WG/05 a paper (DGP-WG/05-WP/19) was presented proposing amendment to Packing Instruction 904 to address the placement of a dangerous goods ULD tag for shipper loaded units.

1.2 This paper generated some discussion with respect to the responsibilities of shippers and operators for ULDs containing loose loaded dry ice.

1.3 On the topic of the dangerous goods ULD tag a question was also raised regarding the widespread use by industry of the IATA Cargo Interline Message Procedure (IMP) codes to 'visibly indicate' the class/division of dangerous goods contained in the ULD.

2. PROPOSAL 1

2.1 As per the report of DGP WG/05, paragraph 8.26.2 it is suggested that a small working group convene during DGP/20 to discuss the requirements applicable to loading loose dry ice in a ULD and also the appropriate method(s) of 'visibly indicating' the presence of dangerous goods on the ULD tag. The working group would then present recommendations during DGP/20 for the Panel's consideration.

2.2 To assist in the working group discussion a copy of a document presented to the Dangerous Goods European Liaison Group is attached as Appendix A and the List of current IATA Cargo IMP Codes is attached as Appendix B.

APPENDIX A

**DOCUMENT PRESENTED TO THE DANGEROUS GOODS EUROPEAN
LIAISON GROUP**

DGELG 05/1-WP9

DANGEROUS GOODS EUROPEAN LIAISON GROUP

(Amsterdam, 24-26 May 2005)

DRY ICE IN UNIT LOAD DEVICES

(Presented by A G S McCulloch)

Background

At the last DGELG meeting in Venice, UPS raised the matter of the carriage of loose dry ice in unit load devices (see the minutes of the last meeting – page 8 – Operator’s Working Group).

The matter was again discussed at the recent ICAO meeting in Montreal, without a satisfactory result.

I have given this some additional thought, and the attachment discussion document shows what I believe to be all of the current practices for transporting dry ice, together with some thoughts on what could/should be required.

	Operator, for "exempt" dry ice	"Regular" packaged goods shipper	Shipper using ULD with loose dry ice	Operator using ULD with loose dry ice
Package				
Marking (UN 1845, Dry ice)	N	Y	N	N
Shipper and Consignee Name and Address	N	Y	N	N
Marking net weight	N	Y	N	N
Document				
UN 1845, Dry ice	N	Y	Y	N
Net weight	N	Y	Y	N
Operator				
Acceptance checklist	N	Y, by operator	N	N
ULD tag	N	Y, by operator	Y, by operator	Y, by operator
NOTOC	N	Y, by operator	Y, by operator	Y, by operator
Hold limitations	N	Y, by operator	Y, by operator	Y, by operator
	No Change	No Change	Document from shipper used by Operator to carry out duties	Operator must have procedure
			State in PI904 that package marking and labelling is not required for loose dry ice in ULD's, provided prior arrangements are made with the operator and a document provided with dry ice details.	Create new 1;2.2.1 d) stating that operator may use dry ice as a refrigerant for other goods, subject to ULD tag, NOTOC and Hold Limitations.
			In Part 7 Chapter 1, add new provision 7.1.3 d) stating that under the provisions of PI904 xx) an acceptance check is not required.	

APPENDIX B

LIST OF CURRENT IATA CARGO IMP CODES

Cargo-IMP Codes are used extensively within the airline industry and have the meanings shown:

CAO	Cargo Aircraft Only
ICE	Carbon dioxide, solid (dry ice)
MAG	Magnetized Material
RCL	Cryogenic Liquid
RCM	Corrosive
RCX	Explosives 1.3C
RDS	Diagnostic Specimens
REQ	Dangerous Goods in Excepted Quantities
REX	To be reserved for normally forbidden Explosives, Divisions 1.1, 1.2, 1.3, 1.4F, 1.5 and 1.6
RFG	Flammable Gas
RFL	Flammable Liquid
RFS	Flammable Solid
RFW	Dangerous When Wet
RGX	Explosives 1.3G
RIS	Infectious Substance
RMD	Miscellaneous Dangerous Goods
RNG	Non-Flammable Non-toxic Gas
ROP	Organic Peroxide
ROX	Oxidizer
RPB	Toxic substance
RPG	Toxic Gas
RRE	Excepted Packages of Radioactive Material
RRW	Radioactive Material Category I-White
RRY	Radioactive Material Categories II-Yellow and III-Yellow
RSB	Polymeric Beads
RSC	Spontaneously Combustible
RXB	Explosives 1.4B
RXC	Explosives 1.4C
RXD	Explosives 1.4D
RXE	Explosives 1.4E
RXG	Explosives 1.4G
RXS	Explosives 1.4S

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