



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTY-EIGHTH MEETING

Virtual, 15 to 19 November 2021

Agenda Item 2: Managing air-specific safety risks and identifying anomalies (Ref: REC A DGS 2023)

2.2: Develop proposals, if necessary, for amendments to the Technical Instructions for the *Safe Transport of Dangerous Goods by Air* (Doc 9284) for incorporation in the 2023-2024 Edition

APPLICABILITY OF DANGEROUS GOODS WITHIN DIVISION 4.1 IN LIMITED QUANTITIES

(Presented by P. Guo)

SUMMARY

The limited quantity provisions apply to Division 4.1, Packing Group II and III substances permitted for transport on passenger and cargo aircraft in accordance with Part 3;4.1.2. Despite meeting this criteria, UN 2907, UN 2555, UN 2556, UN 2557, UN 3531, and UN 3532 are not permitted to be transported in limited quantities in accordance with both Table 3-1 of the Technical Instructions and the dangerous goods list in the UN Model Regulations. This working paper proposes to amend the provisions for dangerous goods in limited quantities in Part 3;4.1.2 to align with what is permitted in Table 3-1 for these substances.

Action by the DGP: The DGP is invited to consider revising the applicability criteria for transporting dangerous goods of Division 4.1 in limited quantities as shown in the appendix to this working paper.

1. INTRODUCTION

1.1 Part 3;4.1.2 of the Technical Instructions sets out the applicability of dangerous goods in limited quantities:

4.1.2 Only dangerous goods which are permitted on passenger aircraft and which meet the criteria of the following classes, divisions and packing groups (if appropriate) may be carried under these provisions for dangerous goods in limited quantities:

...

Division 4.1

Packing Groups II and III but excluding all self-reactive substances irrespective of packing group

...

1.2 The following Division 4.1, Packing Group II and III substances are permitted for transport on passenger and cargo aircraft but are not permitted to be transported in limited quantities in accordance with Table 3-1:

<i>Name</i>	<i>UN No</i>	<i>Class or division</i>	<i>Subsidiary risk</i>	<i>Special provisions</i>	<i>UN packing group</i>
1	2	3	4	7	8
Isosorbide dinitrate mixture with not less than 60% lactose, mannose, starch or calcium hydrogen phosphate	2907	4.1		A49	II
Nitrocellulose with alcohol , not less than 25% alcohol, by mass, and not more than 12.6% nitrogen, by dry mass	2556	4.1		A57 A217	II
Nitrocellulose with water , not less than 25% water by mass	2555	4.1		A57 A217	II
Nitrocellulose, mixture without plasticizer, without pigment or Nitrocellulose, mixture without plasticizer, with pigment or Nitrocellulose, mixture with plasticizer, without pigment or Nitrocellulose, mixture with plasticizer, with pigment	2557	4.1		A57 A86 A217	II
Polymerizing substance, solid, stabilized, n.o.s.*	3531	4.1		A209	III
Polymerizing substance, liquid, stabilized, n.o.s.*	3532	4.1		A209	III

1.3 The UN Model Regulations (22nd Edition) does not permit the transport of UN 2907, UN 2555, UN 2556, UN 2557, UN 3531, or UN 3532 in limited quantities.

2. ACTION BY THE DGP

2.1 The DGP is invited to consider revising the applicability criteria for transporting dangerous goods of Division 4.1 in limited quantities as shown in the appendix to this working paper.

APPENDIX

PROPOSED AMENDMENT TO PART 3 OF THE TECHNICAL INSTRUCTIONS

Chapter 4

DANGEROUS GOODS IN LIMITED QUANTITIES

4.1 APPLICABILITY

4.1.1 Limited quantities of dangerous goods may only be carried in accordance with the limitations and provisions of this chapter and must meet all the applicable requirements of the Technical Instructions unless otherwise provided for below.

4.1.2 Only dangerous goods which are permitted on passenger aircraft and which meet the criteria of the following classes, divisions and packing groups (if appropriate) may be carried under these provisions for dangerous goods in limited quantities:

...

Division 4.1

Packing Groups II and III but excluding UN 2907, UN 2555, UN 2556, UN 2557, UN 3531, UN 3532 and all self-reactive substances irrespective of packing group

...

— END —