



**WORKING PAPER**

**DANGEROUS GOODS PANEL (DGP)  
WORKING GROUP MEETING (DGP-WG/23)**

**Rio de Janeiro, Brazil, 15 to 19 May 2023**

- Agenda Item 2: Managing air-specific safety risks and identifying anomalies (REC-A-DGS-2025)**  
**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 2025-2026 Edition**

**NEW SPECIAL PROVISION FOR ASSIGNMENT TO UN 3363**

(Presented by T. Muller)

**SUMMARY**

This working paper is a follow-up of a working paper presented at the twenty-eighth meeting of the Dangerous Goods Panel (DGP/28, Virtual, 15 to 19 November 2021) (see paragraph 3.9 of the DGP/28 Report) and proposes to add a new special provision to UN 3363 — Dangerous goods in articles, machinery or apparatus in order to remove the gap between the quantities allowed for environmentally hazardous substances contained in articles assigned to UN 3363 and articles assigned to UN 3548 — Articles containing miscellaneous dangerous goods, n.o.s. and to align closer with the UN Model Regulations.

Action by the DGP-WG is in paragraph 2.

**1. INTRODUCTION**

1.1 Packing Instruction 962 applicable to UN 3363 — **Dangerous goods in apparatus or Dangerous goods in articles or Dangerous goods in machinery** limits the total net quantity of liquid dangerous goods in one package to 0.5 L and solid dangerous goods to 1 kg.

1.2 However, according to the UN Model Regulations, UN 3363 may contain 5 kg of UN 3077 — **Environmentally hazardous substance, solid, n.o.s.** or 5 L of UN 3082 — **Environmentally hazardous substance, liquid, n.o.s.** If these quantities are exceeded, UN 3363 can no longer be used but instead UN 3548 — **Articles containing miscellaneous dangerous goods, n.o.s.** must be used.

1.3 At the 2021 Dangerous Goods Panel Working Group Meeting (DGP-WG/21, Montréal, 24 to 28 May 2021), a proposal was accepted (see paragraph 3.2.2.22 of the DGP-WG/21 Report) which allows the transport of UN 3548 — **Articles containing miscellaneous dangerous goods, n.o.s.** for articles containing more than 5 kg or 5 L of environmentally hazardous substances. Since environmentally hazardous substances do not pose a significant safety issue in air transport, the panel agreed to align with the UN Model Regulations. Because of this decision, articles containing a maximum 0.5 L or 1 kg of environmentally hazardous substances and articles containing more than 5 L or 5 kg of environmentally hazardous substances can be transported by air on both passenger and cargo aircraft. However, articles containing more than 0.5 L or 1 kg but not exceeding a maximum of 5 L or 5 kg of environmentally hazardous substances can only be transported in accordance with Special Provision A107 assigned to UN 3336, which means that prior approval of the appropriate authority of the State of Origin and the State of the Operator is required.

A107 (≈301) This entry only applies to articles such as machinery, apparatus or devices containing dangerous goods as a residue or as an integral element of the articles. It must not be used for articles for which a proper shipping name already exists in Table 3-1.

Where the quantity of dangerous goods contained as an integral element in articles exceeds the limits permitted by Packing Instruction 962, and the dangerous goods meet the provisions of Special Provision 301 of the UN Model Regulations, the articles may be transported only with the prior approval of the appropriate authority of the State of Origin and the State of the Operator under the written conditions established by those authorities.

*Note.— This special provision is assigned to UN 3363 — **Dangerous goods in articles, Dangerous goods in machinery and Dangerous goods in apparatus.** The same requirements of these Instructions apply to each of these items.*

1.4 At DGP/28, an amendment to Packing Instruction 962 was proposed to resolve the issue (see paragraph 3.9 of the DGP/28 Report). However, some panel members were of the opinion that the added text might create confusion and that the proposal did not consider any consequential changes related to the documentation requirements. Taking into accounts these comments, a proposal is made to introduce a new special provision and to amend Part 5;4.1.5.1 c)

## 2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to discuss and adopt the proposals presented in the appendix to this working paper.

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APPENDIX

PROPOSED AMENDMENT TO PART 3 OF THE TECHNICAL INSTRUCTIONS

Part 3

**DANGEROUS GOODS LIST,  
SPECIAL PROVISIONS AND  
LIMITED AND EXCEPTED QUANTITIES**

Chapter 2

**ARRANGEMENT OF THE  
DANGEROUS GOODS LIST (TABLE 3-1)**

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Table 3-1. Dangerous Goods List

Name	UN No.	Class or division	Subsidiary hazard	Labels	State variations	Special provisions	UN Packing group	Excepted quantity	Passenger and cargo aircraft		Cargo aircraft only	
									Packing instruction	Max. net quantity per package	Packing instruction	Max. net quantity per package
1	2	3	4		6	7	8	9	10	11	12	13

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Dangerous goods in apparatus	3363	9		Miscellaneous		A48 A107 <del>AXXX</del>		E0	FORBIDDEN		See	962
Dangerous goods in articles	3363	9		Miscellaneous		A48 A107 <del>AXXX</del>		E0	FORBIDDEN		See	962
Dangerous goods in machinery	3363	9		Miscellaneous		A48 A107 <del>AXXX</del>		E0	FORBIDDEN		See	962

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## Chapter 3

### SPECIAL PROVISIONS

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Table 3-2. Special provisions

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**AXXX** Notwithstanding the quantities specified in Packing Instruction 962, the maximum total net quantity per package must not exceed 5 kg for UN 3077 — Environmentally hazardous substance, solid, n.o.s. and must not exceed 5 L for UN 3082 — Environmentally hazardous substance, liquid, n.o.s. If the articles in the package contain dangerous goods other than UN 3077 and/or UN 3082, the total quantity of the other dangerous goods per package must not exceed the total net quantities allowed per package specified in Packing Instruction 962.

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## Part 5

### SHIPPER'S RESPONSIBILITIES

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#### Chapter 4

#### DOCUMENTATION

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##### 4.1.5 Information required in addition to the dangerous goods description

##### 4.1.5.1 Quantity of dangerous goods, number and type of packagings

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UN packaging codes may only be used to supplement the description of the kind of package (e.g. one fibreboard box (4G)). For limited quantities, where the letter "G" follows the quantity in column 11 of Table 3-1, the gross mass of each package must be indicated, rather than the net quantity (except when there are different dangerous goods packed together in the same outer packaging which must be described as shown in paragraph e)) and:

- a) for empty uncleaned packagings as described by 4.1.4.3 b) only the number and type of packagings need be shown;
- b) for chemical kits and first aid kits, the total net mass of dangerous goods. Where the kits contain solids and/or liquids, the net mass of liquids within the kits is to be calculated on a 1 to 1 basis of their volume, i.e. 1 litre equal to 1 kilogram;
- c) for dangerous goods in machinery, or apparatus, or articles, the individual total quantities of dangerous goods in solid, liquid or gaseous state, contained in the article. If Special Provision AXXX has been applied, the individual total quantity of UN 3077 and/or UN 3082 must also be noted;
- d) for dangerous goods transported in salvage packagings, an estimate of the quantity of dangerous goods must be given;
- e) for dangerous goods in limited quantities with a 30 kg G limit in Table 3-1, where different dangerous goods are packed together in the same outer packaging, the net quantity of each dangerous goods followed by the gross mass of the completed package;
- f) for explosive articles of Class 1, the net quantity indicated for each package must be supplemented with the net explosive mass (see Part 1;3.1.1 for the definition of net explosive mass) contained in the package followed by the unit of measurement. The abbreviations "NEQ", "NEM" or "NEW" may be indicated in association with the value provided.

*Note.— The number, type and capacity of each inner packaging within the outer packaging of a combination packaging is not required to be indicated.*

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