



WORKING PAPER

DANGEROUS GOODS PANEL (DGP)

TWENTY-NINTH MEETING

Montréal, 13 to 17 November 2023

Agenda Item 2: Managing air-specific safety risks and identifying anomalies (Ref: 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

**INDICATION OF EMPTY UNCLEANNED PACKAGES
ON NOTIFICATION TO CAPTAIN (NOTOC)**

(Presented by D. Sylvestre)

SUMMARY

This paper proposes to clarify how to indicate, other than for Class 7, on the information to the pilot-in-command, that an empty means of containment, contain the residue of dangerous goods.

Action by the DGP: The DGP-WG is invited to modify the wording of Part 7;4.1.1.1 by adding similar text to what is provided in 5;4.1.4.3 b) and amending the reference to radioactive material in 7;4.1.1.1 f) to refer to 7;4.1.1.1 h).

1. INTRODUCTION

1.1 Operators serving remote areas are commonly operating flights with empty means of containment, containing residue of dangerous goods. Since these are not “purged”, they must be marked, labelled, and documented accordingly.



1.2 While the requirement on how to identify this situation on a dangerous goods transport document is presented under Part 5;4.1.4.3 b), no equivalent requirement exist in the provisions for the information to the pilot-in-command. During inspections, we often come across the term “empty” which is misleading.

1.3 The text of Part 5;4.1.4.3 b) mentions:

“4.1.4.3 Information which supplements the proper shipping name in the dangerous goods description

The proper shipping name in the dangerous goods description must be supplemented as follows:

...

- b) *Empty uncleaned packagings*: Empty means of containment which contain the residue of dangerous goods of classes other than Class 7 must be described as such by, for example, placing the words “Empty uncleaned” or “Residue last contained” before or after the dangerous goods description specified in 4.1.4.1 a) to e);”

1.4 To resolve this situation, keeping in mind, the concept of “regulatory stability”, we propose to modify the wording of Part 7;4.1.1.1 g) by adding similar text to Part 5;4.1.4.3 b) to clarify that for empty means of containment, other than Class 7, containing the residue of dangerous goods, “Empty uncleaned” or “Residue last contained” must be indicated.

1.5 During our review, we also noted a minor editorial error: the reference to radioactive material in Part 7;4.1.1.1 f) should point to Part 7;4.1.1.1 h) instead of Part 7;4.1.1.1 g).

2. ACTION BY THE DGP

2.1 The DGP-WG is invited to modify the wording of Part 7;4.1.1.1 by adding similar text to what is provided in 5;4.1.4.3 b) and amending the reference to radioactive material in 7;4.1.1.1 f) to refer to 7;4.1.1.1 h).

APPENDIX

PROPOSED AMENDMENT TO PART 7 OF THE TECHNICAL INSTRUCTIONS

Part 7

OPERATOR'S RESPONSIBILITIES

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Chapter 4

PROVISION OF INFORMATION

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4.1 INFORMATION TO THE PILOT-IN-COMMAND

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4.1.1.1 Except as otherwise provided, the information required by 4.1.1 must include the following:

- a) the date of the flight;
- b) the air waybill number (when issued);
- c) the proper shipping name (the technical name(s) shown on the dangerous goods transport document is not required) and UN Number or ID number as listed in these Instructions. When chemical oxygen generators contained in protective breathing equipment (PBE) are being transported under Special Provision A144, the proper shipping name of "oxygen generator, chemical" must be supplemented with the statement "Aircrew protective breathing equipment (smoke hood) in accordance with Special Provision A144".
- d) the class or division, and subsidiary hazard(s) corresponding to the subsidiary hazard label(s) applied, by numerals, and in the case of Class 1, the compatibility group;
- e) the packing group shown on the dangerous goods transport document;
- f) the number of packages and their exact loading location. For radioactive material see [gh](#) below;
- g) the net quantity, or gross mass if applicable, of each package, except that this does not apply to radioactive material or other dangerous goods where the net quantity or gross mass is not required on the dangerous goods transport document (see 5;4.1.4) or, when applicable, alternative written documentation. For empty means of containment which contain the residue of dangerous goods of classes other than Class 7, the words "Empty uncleaned" or "Residue last contained". For a consignment consisting of multiple packages containing dangerous goods bearing the same proper shipping name and UN number or ID number, only the total quantity and an indication of the quantity of the largest and smallest package at each loading location need to be provided. For consumer commodities, the information provided may be either the gross mass of each package or the average gross mass of the packages as shown on the dangerous goods transport document;
- h) for radioactive material the number of packages, overpacks or freight containers, their category, their transport index (if applicable) and their exact loading location;

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