



**DANGEROUS GOODS PANEL (DGP)  
WORKING GROUP MEETING (DGP-WG/22)**

**Montréal, 21 to 25 November 2022**

- 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**

**PROPOSED SPECIAL PROVISION FOR UN 3530**

(Presented by P. Guo)

**REVISED**

**SUMMARY**

This working paper proposes revisions to Special Provision A70 and discusses the need for assigning Special Provision A70 to UN 3530.

Action by the DGP-WG is in paragraph 2.

**1. INTRODUCTION**

1.1 Engine and machinery were classified as Class 9 and assigned to UN 3166 prior to the 2017-2018 Edition of the Technical Instructions. They are now assigned to UN 3528, UN 3529, and UN 3530 based on the specific hazard.

1.2 Special Provision A70, originally assigned to UN 3166, was also assigned to UN 3528 and UN 3529, but not assigned to UN 3530.

A70 Internal combustion or fuel cell engines or machinery being shipped either separately or incorporated into a vehicle, machine or other apparatus, without batteries or other dangerous goods, are not subject to these Instructions when carried as cargo provided that:

1.3 According to the requirements of Special Provision A208, UN 3530, which contains liquid fuels not meeting the classification criteria of any other class or division, or meets cleaning and sealing conditions, exhibits a very low risk. UN 3530 meeting certain conditions is also not subject to the Technical Instructions.

A208 (≈363)...

- d) Engines and machinery containing liquid fuels meeting the classification criteria for environmentally hazardous substances and not meeting the classification criteria of any other class or division, must be consigned under the entries UN 3530 — **Engine, internal combustion** or UN 3530 — **Machinery, internal combustion**, as appropriate.

1.4 It is therefore proposed to amend Special Provision A70 and assign it to UN 3530.

## 2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to amend Special Provision A70 to the Technical Instructions as shown in the appendix to this working paper.

2.2 If the proposed amendments to Special Provision A70 are agreed, it is further proposed to add Special Provision A70 to column 7 for UN 3530 in Table 3-1 of the Technical Instructions as shown 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

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Chapter 3

SPECIAL PROVISIONS

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Table 3-2. Special provisions

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A70 Internal combustion or fuel cell engines or machinery being shipped either separately or incorporated into a vehicle, machine or other apparatus, without batteries or other dangerous goods, are not subject to these Instructions when carried as cargo provided that:

- a) for ~~flammable~~ liquid fuel powered engines:
  - 1) the engine is powered by a liquid fuel that does not meet the classification criteria for any class or division; or
  - 2) the fuel tank of the vehicle, machine or other apparatus has never contained any fuel or the fuel tank has been flushed and purged of vapours and adequate measures taken to nullify the hazard; and
  - 3) the entire fuel system of the engine has no free liquid and all fuel lines are sealed or capped or securely connected to the engine and vehicle, machinery or apparatus.

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If above amendment is agreed:

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### Part 3

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

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### Chapter 2

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

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Table 3-1. Dangerous Goods List

| Name<br><i>1</i>               | UN No.<br><i>2</i> | Class or division<br><i>3</i> | Subsidiary risk<br><i>4</i> | Labels<br><i>5</i> | State variations<br><i>6</i> | Special provisions<br><i>7</i> | UN packing group<br><i>8</i> | Excepted quantity<br><i>9</i> | Passenger aircraft               |  | Cargo aircraft                   |  |
|--------------------------------|--------------------|-------------------------------|-----------------------------|--------------------|------------------------------|--------------------------------|------------------------------|-------------------------------|----------------------------------|--|----------------------------------|--|
|                                |                    |                               |                             |                    |                              |                                |                              |                               | Packing instruction<br><i>10</i> | Max. net quantity per package<br><i>11</i> | Packing instruction<br><i>12</i> | Max. net quantity per package<br><i>13</i> |
| Engine, internal combustion    | 3530               | 9                             |                             | Miscellaneous      |                              | A70<br>A87<br>A154<br>A208     |                              | E0                            | 972                              | No limit                                   | 972                              | No limit                                   |
| Machinery, internal combustion | 3530               | 9                             |                             | Miscellaneous      |                              | A70<br>A87<br>A154<br>A208     |                              | E0                            | 972                              | No limit                                   | 972                              | No limit                                   |

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