



**WORKING PAPER**

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

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

**Agenda Item 4: Managing safety risks posed by the carriage of lithium batteries by air (Ref: Job Card DGP.003.04)**

**INTERPRETATION OF THE NEW EXCEPTIONS INCORPORATED IN TABLE 8-1**

(Presented by L. Cascardo)

**SUMMARY**

This working paper asks for interpretation of the new provisions of Table 8-1 incorporated by Addendum No. 1 to 2023–2024 Edition of the Technical Instructions.

Action by the DGP-WG is in paragraph 2.

**1. INTRODUCTION**

1.1 A recent proposal changed the provisions of Table 8-1 and was incorporated into the 2023–2024 Edition of the Technical Instructions by the means of Addendum No. 1 published 27 March 2023. The amendment resulted in item e) of Table 8-1 being replaced with the following:

- e) portable electronic devices containing batteries should be carried as carry-on baggage; however, if carried as checked baggage:
  - measures must be taken to prevent unintentional activation and to protect the devices from damage; and
  - the devices must be completely switched off (not in sleep or hibernation mode) if the batteries exceed:
    - for lithium metal batteries, a lithium content of 0.3 grams; or
    - for lithium ion batteries, a Watt-hour rating of 2.7 Wh.

1.2 The new requirement in Table 8-1 1) e) allows devices with multiple batteries of a Watt-hour rating not exceeding 2.7 Wh or a lithium content not exceeding 0.3 grams to be transported switched on. That has raised the question if this situation was considered during the discussion of the DGP. For example, a device powered by lithium ion batteries could be carried switched on using the new exception even if it has a large number of batteries of 2.7 Wh.

## 2. ACTION BY THE DGP-WG

2.1 The DGP-WG is invited to consider the hazards of lithium batteries installed in portable electronic devices and possible risks to air transport, is invited to discuss if the limitations under Table 8-1, 1) e) of 0.3 grams for lithium metal cells or batteries and 2.7 Wh for lithium ion cells or batteries should be applied to each cell or battery installed in a portable electronic equipment or to the whole set of cells or batteries installed in the device, where a “set” of cells or batteries includes all individual cells or batteries that are required to power each piece of equipment.

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