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INTERNATIONAL CIVIL AVIATION ORGANIZATION

**TECHNICAL INSTRUCTIONS FOR THE SAFE TRANSPORT
OF DANGEROUS GOODS BY AIR**

2025–2026 EDITION

ADDENDUM NO. 1

The attached addendum should be incorporated into the 2025–2026 Edition of the Technical Instructions (Doc 9284) and is applicable from 27 March 2026.

(3 pages)

**TECHNICAL INSTRUCTIONS FOR THE SAFE TRANSPORT OF
DANGEROUS GOODS BY AIR**

The following amendment is approved and published by decision of the Council of ICAO and should be incorporated into the 2025–2026 Edition of the Technical Instructions (Doc 9284) with an applicability date of 27 March 2026:

In Part 1, Chapter 2, page 1-2-1:

- paragraph 2.2.1, *replace* sub-paragraph b) with the following:
 - b) aerosols, alcoholic beverages, perfumes, colognes, liquefied gas lighters and portable electronic devices containing lithium metal or lithium ion cells or batteries provided that they meet the provisions of 2.2.2 carried aboard an aircraft by the operator for use or sale on the aircraft during the flight or series of flights, but excluding non-refillable gas lighters and those lighters liable to leak when exposed to reduced pressure;
- paragraph 2.2.1, *replace* sub-paragraph e) with the following:
 - e) electronic devices, such as electronic flight bags, personal entertainment devices and credit card readers, containing lithium metal or lithium ion cells or batteries and spare lithium batteries for such devices or power banks carried aboard an aircraft by the operator for use on the aircraft during the flight or series of flights, provided that they meet the provisions of 2.2.2. Conditions for the carriage and use of these electronic devices and spare batteries (including power banks) must be provided in the operations manual and/or other appropriate manuals as will enable flight crew, cabin crew and other employees to carry out the functions for which they are responsible.
- *add* new paragraph 2.2.2 as follows:

2.2.2 The following conditions must be met for lithium cells or batteries (including power banks) and the devices they power referred to in 2.2.1 b) and e):

 - a) spare lithium batteries and power banks must be individually protected so as to prevent short circuits when not in use;
 - b) measures must be taken to prevent unintentional activation of the portable electronic devices; and
 - c) the batteries must:
 - 1) be of a type which meets the requirements of each test in the UN *Manual of Tests and Criteria*, Part III, subsection 38.3; and
 - 2) for lithium metal batteries, not exceed a lithium content of 2 g and for lithium ion batteries, not exceed a Watt-hour rating of 100 Wh.
- *renumber* subsequent paragraphs accordingly.

In Part 8, Chapter 1, page 8-1-3, Table 8-1, *amend* item 1) as follows:

Dangerous Goods	Location		Approval of the operator(s) is required	Restrictions
	Checked baggage	Carry-on baggage		
Batteries				
1) Lithium batteries (including power banks and portable electronic devices)	Yes (except for gh), i) and j))	Yes	(see c) and d))	a) each battery must be of a type which meets the requirements of each test in the UN <i>Manual of Tests and Criteria</i>, Part III, subsection 38.3; b) each battery must not exceed the following: — for lithium metal batteries, a lithium content of 2 g; or — for lithium ion batteries, a Watt-hour rating of 100 Wh; c) each battery may exceed 100 Wh but not exceed 160 Wh Watt-hour rating for lithium ion with the approval of the operator; d) each battery may exceed 2 g but not exceed 8 g lithium content for lithium metal for portable medical electronic devices with the approval of the operator; e) no more than two spare batteries meeting the requirements of c) or d) may be carried per person; ef) for portable electronic devices containing batteries: — measures must be taken to prevent unintentional activation and to protect the devices from damage; — the devices should be carried as carry-on baggage; however, if carried as checked baggage, 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 g per device; or — for lithium ion batteries, a Watt-hour rating of 2.7 Wh per device; fg) batteries and heating elements must be isolated in portable electronic devices capable of generating extreme heat, which could cause a fire if activated, by removal of the heating element, battery or other components; gh) spare batteries, including power banks: — must be carried as carry-on baggage; and — must be individually protected so as to prevent short circuits (by placement in original retail packaging or by otherwise insulating terminals, e.g. by taping over exposed terminals or placing each battery in a separate plastic bag or protective pouch); i) power banks: — must be carried as carry-on baggage; — must not be recharged while on board the aircraft; — should not be used to recharge a portable electronic device while on board the aircraft; — no more than two power banks may be carried per person; and

<i>Dangerous Goods</i>	<i>Location</i>		<i>Approval of the operator(s) is required</i>	<i>Restrictions</i>
	<i>Checked baggage</i>	<i>Carry-on baggage</i>		
				— must be individually protected so as to prevent short circuits when not in use (by placement in original retail packaging or by otherwise insulating terminals, such as by taping over exposed terminals or placing each power bank in a separate plastic bag or protective pouch); h) baggage equipped with a lithium battery(ies) exceeding: — for lithium metal batteries, a lithium content of 0.3 g; or — for lithium ion batteries, a Watt-hour rating of 2.7 Wh must be carried as carry-on baggage unless the battery(ies) is removed from the baggage, in which case the battery(ies) must be carried in accordance with g); i) no more than two spare batteries meeting the requirements of c) or d) may be carried per person. <i>Note.— The restrictions in a) and the applicable limits in b), c), d) or e) apply to all batteries under this item, that is those contained in portable electronic devices, spare batteries, power banks and baggage equipped with lithium batteries.</i>

