



Safety Information Bulletin

CAAS SIB No.	2026-02
Issued	6 April 2026
Subject	New requirements on carriage and use of power banks on board aircraft
Ref. Publication(s)	<ol style="list-style-type: none">1) ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO TI - Doc. 9284)2) ICAO Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods (Doc. 9481)3) CAAS AC 121-2-7 (Management of Lithium Batteries in the Aircraft Passenger Cabin)4) CAAS AC 92-2-2 (Guidance on Dangerous Goods Carried in Passenger and Crew Baggage)5) ICAO Manual on Safety Management in Cabin Operations (Doc 10158)6) IATA Dangerous Goods Regulations Manual7) IATA Passengers Traveling with Lithium Batteries – Guidance Document – 2026
Purpose	This SIB advises on the new requirements associated with the carriage and use of power banks by passengers on board aircraft into or from Singapore
Applicability	This SIB applies to: <ul style="list-style-type: none">• any foreign operator operating any aircraft into and out of Singapore for the purpose of commercial air transport, aerial work or general aviation;• any Singapore operator;• any operator of a Singapore registered aircraft operated for the purpose of general aviation;• any agent of an operator mentioned above;• any person that engages in the security screening of passengers or baggage in Singapore; and• any aerodrome operator in Singapore;
Cancellation	This is the first issuance.

Description

To enhance safety in the carriage and use of power banks by passengers in baggage, ICAO has published an addendum on 2 April 2026 to the ICAO TI. See attached Appendix.

Power banks (also known as power packs, mobile batteries etc.) are portable devices having a primary function of providing a source of power to another piece of equipment. They are made up of one or more cells and are designed to act as a universal external power source capable of providing power to multiple devices.

Under the revised requirements, passengers are restricted to carriage of no more than two power banks per person. Additionally, –

- Power banks must not be charged on board the aircraft;
- Power banks are not allowed in checked baggage;
- Power banks must be individually protected to prevent short circuits;
- Passengers should not use power banks to charge portable electronic devices on board aircraft; and
- Power banks up to 100 Wh capacity may be carried on board aircraft, while those between 100 Wh and 160 Wh require airline's approval. Power banks exceeding 160 Wh capacity are prohibited to be carried by passengers.

Air Navigation (92-Carriage of Dangerous Goods) Regulations requires, –

- air operators and its handling agents to ensure that any dangerous goods are not carried in an aircraft cabin occupied by passengers or on the flight deck of the aircraft except in circumstances permitted by the provisions of the ICAO TI [**Regulation 17(3)(g)**]; and
- an aerodrome operator to ensure that every passenger who intends to board any aircraft departing from the aerodrome is warned and provided with information (which must include visual examples) on the relevant restrictions [**Regulation 25(2)**].

Recommendation(s) Air operators and its ground handling agents –

- must establish procedures for ground staff to ensure that each passenger does not have more than two power banks at the time of check-in;
- must establish procedures for cabin crew members to ensure that passengers do not charge their power banks on board the aircraft;
- should review its policies on the use of power banks to charge other portable electronic devices on board the aircraft, and mitigate their associated safety risks;
- should provide relevant information to passengers at various touch points (e.g., public website, during ticket purchase,

agent assisted check-in counters, self-check-in kiosk boarding gate, etc.) to communicate the new restrictions;

- should provide relevant information and guidance to its crew members and ground staff to aid in implementing and handling passenger enquiries involving these new restrictions; and
- should work with aerodrome operators and security screening agencies to promulgate relevant information to passengers and to facilitate the implementation of the new restrictions.

Aerodrome operators –

- must provide relevant information at the departure areas of its passenger terminals to communicate the new restrictions.
- should provide relevant information and guidance to its employees and sub-contractors to aid in handling passenger enquiries on these new restrictions;
- should work with security screening providers and agencies to facilitate the detection of power banks (beyond the two power bank per passenger limitation) during pre-board screening of passengers and their baggage; and
- should provide relevant information and guidance to retailers of power banks in the departure transit area of passenger terminals to aid in the implementation of these new restrictions;

Security screening service providers –

- should provide relevant information and training to its security agents to detect carriage of excessive power banks, and to communicate the restrictions to passengers

Contact(s)

For further information, contact CAAS Flight Standards Division

APPENDIX



Doc 9284-AN/905
2025–2026 Edition
ADDENDUM NO. 1
27/3/26

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.

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ADDENDUM NO. 1

- 2 -

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))	<p>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;</p> <p>b) each battery must not exceed the following:</p> <ul style="list-style-type: none"> — for lithium metal batteries, a lithium content of 2 g; or — for lithium ion batteries, a Watt-hour rating of 100 Wh; <p>c) each battery may exceed 100 Wh but not exceed 160 Wh Watt-hour rating for lithium ion with the approval of the operator;</p> <p>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;</p> <p>e) no more than two spare batteries meeting the requirements of c) or d) may be carried per person;</p> <p>ef) for portable electronic devices containing batteries:</p> <ul style="list-style-type: none"> — 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: <ul style="list-style-type: none"> — 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; <p>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;</p> <p>gh) spare batteries, including power banks:</p> <ul style="list-style-type: none"> — 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); <p>i) power banks:</p> <ul style="list-style-type: none"> — 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

	Location		Approval of the operator(s) is required	Restrictions
	Checked baggage	Carry-on baggage		
Dangerous Goods				<p>— 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);</p> <p>h)) baggage equipped with a lithium battery(ies) exceeding:</p> <ul style="list-style-type: none"> — for lithium metal batteries, a lithium content of 0.3 g; or — for lithium ion batteries, a Watt-hour rating of 2.7 Wh <p>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));</p> <p>i) no more than two spare batteries meeting the requirements of e) or d) may be carried per person.</p> <p><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></p>

— END —