

INTERNATIONAL CIVIL AVIATION ORGANIZATION
TWENTY-NINTH MEETING OF THE DANGEROUS GOODS PANEL (DGP)

Montréal, 13 to 17 November 2023

SUPPLEMENT NO. 1

The Council, at the fifth meeting of its 231st Session on 18 March 2024, and the Air Navigation Commission, at the third meeting of its 225th Session on 20 February 2024, under authority delegated by the Council, took action on the recommendations of the twenty-ninth meeting of the Dangerous Goods Panel (DGP/29), as indicated hereunder.

**1. RECOMMENDATIONS FOR AMENDMENT OF
STANDARDS AND RECOMMENDED PRACTICES
AND PROCEDURES (RSPP)**

The Air Navigation Commission will be conducting a preliminary review of amendments related to Recommendations 2/1 and 5/1 pertaining to Annex 18 during its 227th Session and consider whether they should be referred for comments to Contracting States and appropriate international organizations, together with the Commission's own comments and proposals thereon. Following receipt of comments, the Commission will conduct a detailed review and will then present its recommendations for action by the Council.

2. RECOMMENDATIONS OTHER THAN FOR STANDARDS AND RECOMMENDED PRACTICES AND PROCEDURES

2.1 The Air Navigation Commission identified a need to revise an amendment proposed by DGP/29 to Part 4, Chapter 11, Packing Instruction 966 of the Technical Instructions developed under Recommendation 4/1 to remove editorial inconsistencies and to clarify intent. The Council approved the following revision:

- a) *Replace* the amendment to Section I, paragraph I.1 in Packing Instruction 966 (no change to amendment proposed to Table 966-I) contained in Appendix A to the DGP/29 Report by the following:

I.1 General requirements

— Part 4.1 requirements must be met.

Paragraph 4.1 of this report:

— Until 31 December 2025

Lithium ion cells and batteries should be offered for transport at a state of charge not exceeding 30 per cent of their rated capacity.

— From 1 January 2026

— Lithium ion cells and batteries must be offered for transport at a state of charge not exceeding 30 per cent of their rated capacity.

— Lithium ion cells and/or batteries at a state of charge exceeding 30 per cent of their rated capacity may only be offered for transport with the approval of the appropriate national authorities of the State of Origin and the State of the Operator under the written conditions established by those authorities.

Note.— Guidance and methodology for determining the rated capacity can be found in sub-section 38.3.2.3 of the UN Manual of Tests and Criteria. Cells and batteries shipped at a reduced state of charge are less prone to thermal runaway.

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- b) *Replace* the amendment to Section II, paragraph II.1 in Packing Instruction 966 (no change to amendment proposed to Table 966-II) contained in Appendix A to the DGP/29 Report with the following:

II.1 General requirements

— Until 31 December 2025

Lithium ion cells and batteries should be offered for transport at a state of charge not exceeding 30 per cent of their rated capacity.

— From 1 January 2026

— Lithium ion cells and batteries with a Watt-hour rating in excess of 2.7 Wh must be offered for transport at a state of charge not exceeding 30 per cent of their rated capacity.

— Lithium ion cells and/or batteries with a Watt-hour rating in excess of 2.7 Wh and at a state of charge exceeding 30 per cent of their rated capacity may only be offered for transport with the approval of the appropriate national authorities of the State of Origin and the State of the Operator under the written conditions established by those authorities. Such cells and/or batteries must be assigned to Class 9 and are subject to all applicable parts of these Instructions.

— Lithium ion cells and batteries with a Watt-hour rating not in excess of 2.7 Wh should be offered for transport at a state of charge not exceeding 30 per cent of their rated capacity.

Note.— Guidance and methodology for determining the rated capacity can be found in subsection 38.3.2.3 of the UN Manual of Tests and Criteria. Cells and batteries shipped at a reduced state of charge are less prone to thermal runaway.

2.2 The Secretary General will arrange for any follow-up action in respect of all approved recommendations as indicated in the action taken hereunder.

Report Reference		Recommendation Title and Description	Action by Council (C) or Air Navigation Commission (ANC)	Action Taken
Recomm- endation No.	Page No.			
1/1	1-5	<p>Amendment to the <i>Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)</i> proposed for the sake of alignment with the UN Recommendations on the Transport of Dangerous Goods for incorporation in the 2025-2026 Edition</p> <p>That the amendments identified as “UN harmonization amendments” in Appendix A to the report be incorporated in the Technical Instructions.</p>	C	Approved the changes to the Technical Instructions, other than changes to the definition for unit load device in Part 1, Chapter 3 which will be deferred pending Council approval of the amendment to the same definition in Annex 18. Noted that the amendment is specific to aviation despite being incorrectly identified as a UN harmonization amendment in Appendix A to the report.
1/2	1-6	<p>Amendment to the <i>Supplement to Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284SU)</i> proposed for the sake of alignment with the UN Recommendations on the Transport of Dangerous Goods for incorporation in the 2025-2026 Edition</p> <p>That the amendments identified as “UN harmonization amendments” in Appendix B to the report be incorporated in the Supplement to the Technical Instructions.</p>	C	Approved the changes to the Supplement to the Technical Instructions.

Report Reference		Recommendation Title and Description	Action by Council (C) or Air Navigation Commission (ANC)	Action Taken
Recomm- endation No.	Page No.			
2/2	2-5	<p>Amendment to the <i>Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)</i> to address air-specific safety risks and identified anomalies for incorporation in the 2025-2026 Edition</p> <p>That the amendments identified as “Amendments to manage aviation specific risks” in Appendix A to the report be incorporated in the Technical Instructions.</p>	C	Approved the changes to the Technical Instructions.
2/3	2-7	<p>Amendment to the <i>Emergency Response Guidance for Aircraft Incidents involving Dangerous Goods (Doc 9481)</i> to address air-specific safety risks and identified anomalies for incorporation in the 2025-2026 Edition</p> <p>That the <i>Emergency Response Guidance for Aircraft Incidents involving Dangerous Goods (Doc 9481)</i> be amended as indicated in Appendix C to the report.</p>	ANC	Noted the recommendation and that the Secretariat would take the necessary action.
3/1	3-3	<p>Amendment to the <i>Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)</i> to facilitate transport for incorporation in the 2025-2026 Edition</p> <p>That the amendments identified as “Amendments to facilitate transport” in Appendix A to the report be incorporated in the Technical Instructions.</p>	C	Approved the changes to the Technical Instructions.
4/1	4-9	<p>Amendment to lithium battery provisions for incorporation in the 2025-2026 Edition of the <i>Technical Instructions for the Safe Transport of Dangerous Goods by Air (Doc 9284)</i></p> <p>That the amendments identified as “Amendments to lithium battery provisions” in Appendix A to the report be incorporated in the Technical Instructions.</p>	C	Approved the changes to the Technical Instructions, subject to a revision to the changes to Section I, paragraph I.1 and Section II, paragraph II.1 in Packing Instruction 966 shown in paragraph 2 of this supplement.

Report Reference		Recommendation Title and Description	Action by Council (C) or Air Navigation Commission (ANC)	Action Taken
Recomm- endation No.	Page No.			
9/1	9-2	<p>Amendment to the cabin crew procedures in the <i>Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods (Doc 9481)</i></p> <p>That the proposed amendments to the cabin crew procedures presented in Appendix C to the report, subject to minor revisions to address issues raised in the appendix to the report on Agenda Item 9, be incorporated in the <i>Emergency Response Guidance for Aircraft Incidents Involving Dangerous Goods (Doc 9481)</i>.</p>	ANC	Noted the recommendation and that the Secretariat would take the necessary action.

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