



Doc 9284-AN/905  
2015-2016 Edition  
ADDENDUM NO. 2/  
CORRIGENDUM NO. 2  
19/8/15

**INTERNATIONAL CIVIL AVIATION ORGANIZATION**

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

**2015-2016 EDITION**

**ADDENDUM NO. 2/CORRIGENDUM NO. 2**

The attached addendum/corrigendum should be incorporated into the 2015-2016 Edition of the Technical Instructions (Doc 9284).

(22 pages)



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

On the publishing page (one page before Foreword), *amend* “University Street” to read “Robert-Bourassa Boulevard”.

In the Foreword, page (iii), first paragraph, “RELATIONSHIP TO ANNEX 18 TO THE CHICAGO CONVENTION”, third line of the address, *amend* “University Street” to read “Robert-Bourassa Boulevard”.

In the Foreword, page (iii), third paragraph, “UPDATING PROCEDURE”, last sentence, *amend* the URL address to read “<http://www.icao.int/safety/dangerousgoods>”.

In the Foreword, page (vi), first paragraph, third line of the address, *amend* “University Street” to read “Robert-Bourassa Boulevard”.

In the Foreword, page (viii), last bullet item, *amend* “Item 19)” to read “Item 20)”.

In Part 1, Chapter 2, page 1-2-1, paragraph 2.2.1 b), *amend* “19)” to read “20)”.

In Part 1, Chapter 2, page 1-2-1, paragraph 2.2.1 d), *amend* “19)” to read “20)”.

In Part 1, Chapter 2, page 1-2-2, paragraph 2.6, heading, *insert* “GOODS” after “LAMPS CONTAINING DANGEROUS”.

In Part 1, Chapter 4, page 1-4-2, paragraph 4.2.5 b), *delete* the line break after “traini”.

In Part 1, Chapter 4, page 1-4-3, Table 1-5, under legend for “CATEGORIES”, *adjust* indent for 14) to align with other categories.

In Part 1, Chapter 6, page 1-6-3, paragraph 6.5, *delete* “6.5.1”.

In Part 2, Introductory Chapter, page 2-0-2, paragraph 3.1, *amend* “classification” to read “classification”.

In Part 2, Chapter 5, page 2-5-2, paragraph 5.2.3.1, *insert* “5.2.3.1.1” before “A test is performed ...”.

In Part 2, Chapter 5, page 2-5-12, Table 2-7, entry for 1,1,3,3-Tetramethylbutylperoxyvalate, *amend* to read “1,1,3,3-Tetramethylbutyl peroxyvalate” and *amend* “3315” to read “3115” under the “UN generic entry” column.

In Part 2, Chapter 5, page 2-5-12, Table 2-7, Notes, Note 13, *amend* “Figure 5-22” to read “Figure 5-23”.

In Part 2, Chapter 5, page 2-5-13, Table 2-7, Notes, Note 27, *amend* “Figure 5-22” to read “Figure 5-23”.

In Part 2, Chapter 6, page 2-6-3, paragraph 6.2.2.4.7 a), *amend* “where LC<sub>50i</sub>” to read “where LC<sub>50i</sub>”.

In Part 2, Chapter 6, page 2-6-4, paragraph 6.2.2.4.7 b), *amend* equation to read:

$$V_i = \left( \frac{P_i \times 10^6}{101.3} \right) \text{ml/m}^3$$

In Part 3, Chapter 3, page 3-3-12, Special Provision A130, sub-paragraph b), *amend* “Figure 30” to read “Figure 31”.

In Part 3, Chapter 3, page 3-3-20, Special Provision A189, *delete* the margin symbol.

In Part 3, Chapter 3, page 3-3-23, Special Provision A201, third line of the address, *amend* “University Street” to read “Robert-Bourassa Boulevard”.

In Part 4, Chapter 4, page 4-4-12, Packing Instruction 203, first two lines, align right border.

In Part 4, Chapter 7, page 4-7-9, Packing Instruction 565, under “ADDITIONAL PACKING REQUIREMENTS FOR COMBINATION PACKAGINGS”, *insert* the following new paragraph d):

- d) Packagings must meet the Packing Group II performance requirements.



In Part 8, Chapter 1, page 8-1-4, Table 8-1, item 8), *replace* with the following:

|    |   |     |     |     |     |    |  |
|----|---|-----|-----|-----|-----|----|--|
| 8) | Portable medical electronic devices (automated external defibrillators (AED), nebulizer, continuous positive airway pressure (CPAP), etc.) containing lithium metal or lithium ion cells or batteries     |     |     |     |     |    |  |
|    | Portable medical electronic devices containing lithium metal cells or batteries not exceeding 2 grams or lithium ion cells or batteries not exceeding 100 Wh  | Yes | Yes | Yes | No  | No | a) carried by passengers for medical use; and<br>b) batteries or cells 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.  |
|    | Spare batteries for portable medical electronic devices containing lithium metal cells or batteries not exceeding 2 grams or lithium ion cells or batteries not exceeding 100 Wh                          | No  | Yes | Yes | No  | No | a) carried by passengers for medical use;<br>b) batteries or cells 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; and<br>c) 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).  |
|    | Portable medical electronic devices containing lithium metal batteries exceeding 2 grams but not exceeding 8 grams or lithium ion batteries exceeding 100 Wh but not exceeding 160 Wh                     | Yes | Yes | Yes | Yes | No | a) carried by passengers for medical use; and<br>b) batteries or cells 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.  |
|    | Spare batteries for portable medical electronic devices containing lithium metal batteries exceeding 2 grams but not exceeding 8 grams or lithium ion batteries exceeding 100 Wh but not exceeding 160 Wh | No  | Yes | Yes | Yes | No | a) carried by passengers for medical use;<br>b) batteries or cells 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;<br>c) 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); and<br>d) no more than two spare batteries exceeding 2 grams lithium content for lithium metal or a watt-hour rating exceeding 100 Wh for lithium ion may be carried |

In Attachment 3, Chapter 1, paragraph 1.6, *insert* “Nepal — NP” after “Malaysia — MY”.

In Attachment 3, Chapter 1, paragraph 1.6, *insert* “Venezuela (Bolivarian Republic of) — VE” after “Vanuatu — VU”.

In Attachment 3, Chapter 1, Table A-1 — State variations, make the following amendments:

Page A3-1-12, FR 1, *amend* the contact information to read:

Direction Générale de l’Aviation Civile (DGAC)  
Direction de la Sécurité de l’Aviation Civile (DSAC)  
Direction technique de la Navigabilité et des Opérations (DSAC/NO)  
50, rue Henry Farman  
75720 PARIS CEDEX 15  
FRANCE  
Telephone: +33.(0)1.58.09.44.80  
Facsimile: +33.(0)1.58.09.45.52  
Email: [dsac-dangerous-goods-bf@aviation-civile.gouv.fr](mailto:dsac-dangerous-goods-bf@aviation-civile.gouv.fr)

Page A3-1-13, FR 1, *delete* the last paragraph.

Page A3-1-13, FR 2, *amend* to read:

All questions relating to the transport by air of radioactive and fissile materials for civilian use should be directed, in accordance with the instructions contained in the variation concerned, to DGAC, ASN and DGSCGC/COGIC.:

Direction Générale de l’Aviation Civile (DGAC)  
Direction de la Sécurité de l’Aviation Civile (DSAC)  
Direction technique de la Navigabilité et des Opérations (DSAC/NO)  
50, rue Henry Farman  
75720 PARIS CEDEX 15  
FRANCE  
Telephone: +(33).(0)1.58.09.44.80  
Facsimile: +(33).(0)1.58.09.45.52  
Email: [dsac-dangerous-goods-bf@aviation-civile.gouv.fr](mailto:dsac-dangerous-goods-bf@aviation-civile.gouv.fr)

Autorité de Sûreté Nucléaire (ASN)  
Direction du Transport et des Sources  
15, rue Louis Lejeune  
CS 70013  
92541 MONTROUGE CEDEX  
FRANCE  
Telephone: +(33).(0)1.46.16.41.01  
Facsimile: +(33).(0)1.46.16.44.25

Direction Générale de la Sécurité Civile et de la Gestion Des Crises (DGSCGC)  
Centre Opérationnel de Gestion Interministérielle des Crises (COGIC)  
87-95 Quai du Docteur Dervaux  
92600 ASNIERES SUR SEINE  
FRANCE  
Telephone: +(33).(0)1.56.04.72.40  
Facsimile: +(33).(0)1.42.65.85.71  
Email: [cogic-centretrans@interieur.gouv.fr](mailto:cogic-centretrans@interieur.gouv.fr)

Page A3-1-13, FR 3, last paragraph, *amend* “DSC/COGIC” to read “DGSCGC/COGIC”.

Page A3-1-14, FR 6, sub-paragraph b), *amend* to read:

b) dangerous goods as described in sub-paragraphs d) and e) are permitted for transport in airmail to or transiting through France only if they are from a State whose civil aviation authority has issued a specific approval to its designated postal operator.

Page A3-1-14, FR 6, *delete* last paragraph.

Page A3-1-19, JP 2, *amend* the references in the relevant paragraphs column to read:

Page A3-1-19, JP 8, *amend* the references in the relevant paragraphs column to read:

5;1.2.2  
6;7.5.4  
6;7.8

Page A3-1-19, JP 9, *amend* the references in the relevant paragraphs column to read:

5;3

Page A3-1-19, JP 11, *insert* a comma after “Class 1”.

Page A3-1-20, JP 17, *insert* “the” before “prior notification”.

Page A3-1-20, JP 17, *amend* the reference in the relevant paragraphs column to read:

5;1.2.3

Page A3-1-20, JP 26, *insert* “(excluding fissile material meeting one of the provisions a) to e) of 2;7.2.3.5.1, 6;7.10.2 or 6;7.10.3)” after “Neither packages containing fissile material”.

Page A3-1-20, JP 26, *amend* the references in the relevant paragraphs column to read:

2;7.2.3.5  
2;7.2.4.6  
6;7.10

Page A3-1-23, *insert* the following new variation for Nepal:

**NP — NEPAL**

NP 1 Operators intending to carry dangerous goods to, from, within and over Nepal must obtain prior written permission from the Director General, Civil Aviation Authority of Nepal. The requests for approval should be addressed to:

Flight Safety Standards Department  
Civil Aviation Authority of Nepal  
Singamangal, Kathmandu  
NEPAL  
Telephone: +977-1-4111075/4111119  
Facsimile: +977-1-4111198  
Email: [atsc@ccsl.com.np](mailto:atsc@ccsl.com.np)

Page A3-1-24, PL 1, *amend* to read:

Consignments containing spent nuclear fuel or radioactive waste transported to, from, through or over the territory of Poland are subject to prior written notification. Notification should be forwarded at least two weeks prior to shipment to:

National Atomic Energy Agency (PAA)  
Department of Radiological Protection  
Krucza 36 Street  
00-522 Warsaw  
Poland  
Telephone: +48 22 695 97 43  
Facsimile: +48 22 695 98 71  
Email: [sekretariat.dor@paa.gov.pl](mailto:sekretariat.dor@paa.gov.pl)

Page A3-1-29, US 2, *delete* the third, fourth, fifth and sixth paragraphs (i.e. from “Primary (non-rechargeable) lithium metal batteries and cells (UN 3090)” to “LITHIUM METAL BATTERIES — FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT” inclusive).

Page A3-1-29, US 3, sub-paragraph 3), *insert* “, lithium cells or batteries including when packed with equipment or contained in equipment transported in accordance with Special Provision A99” after “Special Provision A88”.

Page A3-1-36, US 16, *amend* to read:

Safety devices (including air bag inflators, air bag modules and seat-belt pretensioners etc.) may not be transported to, from or within the United States without prior approval by the appropriate authority of the United States (see US 1), Attention: Approvals and Permits Division (PHH-30). Such approval remains valid for subsequent transport provided there is no change in its composition, design or packaging. The dangerous goods transport document (shipping papers) must contain the EX number or product code for each approved safety device in association with the basic description required in 5.4.1.4. If product codes are used, they must be traceable to the specific EX number assigned to the safety device by the appropriate authority of the United States. The EX number or product code is not required to be marked on the outer package. Safety devices classified as Class 9 (UN 3268) in accordance with 49 CFR 173.166(b)(1) are not required to have an EX number assigned or have an EX number indicated on the transport documentation.

In Attachment 3, Chapter 1, page A3-1-39, third line of the address, *amend* "University Street" to read "Robert-Bourassa Boulevard".

In Attachment 3, Chapter 2, page A3-2-1, paragraph 2.5, *add* "Air Serbia — JU" after "Air Niugini — PX".

In Attachment 3, Chapter 2, page A3-2-1, paragraph 2.5, *add* "Evelop Airlines — E9" after "EVA Airways — BR".

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *add* "Iberia Express — I2" after "Hong Kong Dragon Airlines (Dragonair) — KA".

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *delete* "JAT Airways — JU".

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *add* "JetBlue Airways — B6" after "Jet Airways — 9W".

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *add* "Jetstarasia — 3K" after "Jetstar — JQ".

In Attachment 3, Chapter 2, page A3-2-2, paragraph 2.5, *add* "Nokscoot Airlines — XW " after "Nippon Cargo Airlines — KZ".

In Attachment 3, Chapter 2, Table A-2 — Operator variations, the following amendments should be made:

*Add* the following new variations for American Airlines:

|   |       |   |             |
|---|-------|---|-------------|
| + | AA-07 | UN 3480, Lithium ion batteries, Packing Instruction 965 will not be accepted for carriage. (Exception: COMAT parts and supplies offered by AA Stores.)                | 4;11        |
| + | AA-08 | The number of packages of lithium batteries shipped in accordance with Section II of Packing Instructions 966, 967, 969 and 970 must be indicated on the air waybill. | 4;11<br>5;4 |

*Amend* the following variations for Air Canada:

|   |       |  |             |
|---|-------|--|-------------|
| ≠ | AC-05 | Internal combustion engines, being shipped either separately or incorporated into a vehicle, machine or other apparatus, the fuel tank or fuel system of which contains or has contained fuel, must be classified as Class 9, UN 3166, <b>Engine, internal combustion, flammable liquid powered</b> or as Class 9, UN 3166, <b>Vehicle, flammable liquid powered</b> , as appropriate. | 2;9<br>4;11 |
| ≠ | AC-06 | The number of packages of lithium batteries shipped in accordance with Section II of Packing Instructions 965, 966, 967, 969 and 970 must be indicated on the air waybill.   | 4;11<br>5;4 |

*Amend* the following variation for Air France:

|   |       |           |  |
|---|-------|-----------|--|
| ≠ | AF-02 | Not used. |  |
|---|-------|-----------|--|



Add the following new variation for Air France:

|   |       |  |                                 |
|---|-------|--|---------------------------------|
| + | AF-04 | Lithium metal batteries and cells, UN 3090, are forbidden as cargo on Air France cargo aircraft. This only applies to Section I (IA and IB) of Packing Instruction 968, including those being shipped under an approval issued by an appropriate authority under Special Provision A88 or A99.   | Table 3-1<br>3;3<br>4;11<br>8;1 |
|   |       | This prohibition does not apply to lithium metal batteries and cells, UN 3090: <ul style="list-style-type: none"><li>— shipped in accordance with Section II of Packing Instruction 968;</li><li>— covered by the provisions for dangerous goods carried by passengers or crew (see Table 2.3.A of the IATA Dangerous Goods Regulations);</li><li>— presented as Air France company materials (COMAT).</li></ul> |                                 |

Amend the following variation for British Airways:

|   |       |   |                          |
|---|-------|---|--------------------------|
| ≠ | BA-01 | UN 3480 — Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo on passenger aircraft. (See Packing Instruction 965.)   | Table 3-1<br>4;11<br>8;1 |
|   |       | This prohibition does not apply to: <ul style="list-style-type: none"><li>— UN 3091 or UN 3481;</li><li>— lithium batteries (rechargeable and non-rechargeable) covered by the provisions for dangerous goods carried by passengers or crew. (See Table 2.3.A of the IATA Dangerous Goods Regulations.)</li></ul> |                          |

Amend the following variation for EVA Airways:

|   |       |   |     |
|---|-------|---|-----|
| ≠ | BR-06 | Dangerous goods in consolidations will not be accepted for carriage, except for: <ul style="list-style-type: none"><li>— consolidations having one master air waybill with one house air waybill; or</li><li>— consolidations having multi house air waybill containing ID 8000 (consumer commodity) and/or UN 1266 (Perfumery products) and/or UN 2807 (Magnetized material) and/or UN 3480 (Lithium ion batteries), UN 3481 (Lithium ion batteries packed with or contained in equipment), UN 3090 (Lithium metal batteries), UN 3091 (Lithium metal batteries packed with or contained in equipment) prepared in accordance with Section IB of Packing Instructions 965 and 968 and Section II of Packing Instructions 965 to 970; or</li><li>— consolidations having multi house air waybill containing ID 8000 (consumer commodity) and/or UN 1266 (Perfumery products) and/or UN 2807 (Magnetized material) and/or UN 3480 (Lithium ion batteries), UN 3481 (Lithium ion batteries packed with or contained in equipment), UN 3090 (Lithium metal batteries), UN 3091 (Lithium metal batteries packed with or contained in equipment) prepared in accordance with Section IB of Packing Instructions 965 and 968 and Section II of Packing Instructions 965 to 970 including other general cargo; or</li><li>— consolidations having multi house air waybill containing UN 1845 (Carbon dioxide, solid/dry ice) when used as a refrigerant for non-dangerous goods.</li></ul> | 7;1 |
|---|-------|---|-----|

Add the following new variations for JetBlue Airways:

+ **B6 — JETBLUE AIRWAYS**

B6-01 JetBlue Airways will not accept shipments of dangerous goods as defined by these Instructions for carriage as cargo, including dangerous goods shipped in limited or excepted quantities, except for the following:

Dry ice in a properly prepared package not to exceed 2.5 kg (5.5 lb) per package and 90 kg (200 lb) per flight. Dry ice is accepted only for the purposes of cooling human remains, medical organs, non-infectious specimens and blood for transfusion.

B6-02 Commercial shipments of dangerous goods will not be accepted. Properly prepared company material (COMAT), aircraft spares shipments will be accepted.

Amend the following variations for Cargolux:

≠ CV-03 Lithium ion batteries and cells, UN 3480, including those approved by an appropriate authority under Special Provision A88 or A99, packed in accordance with Packing Instruction 965 are prohibited from carriage on Cargolux aircraft. This prohibition does not apply to lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with Packing Instruction 966 or 967. Table 3-1  
3;3  
4;11

≠ CV-04 Lithium metal cells and batteries (UN 3090), including those approved by an appropriate authority under Special Provision A88 or A99 and packed in accordance with Packing Instruction 968 are prohibited from carriage on Cargolux aircraft. This prohibition does not apply to lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Packing Instruction 969 or 970. Table 3-1  
3;3  
4;11

Amend the following variations for Cathay Pacific Airways:

≠ CX-01 Lithium ion batteries (UN 3480). Lithium ion cells and batteries are prohibited from carriage as cargo on Cathay Pacific Airways aircraft. This applies to Section IA, Section IB and Section II of Packing Instruction 965. This prohibition does not apply to:  
— lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with Packing Instruction 966 or 967;  
— lithium batteries (rechargeable and non-rechargeable) covered by the provisions for dangerous goods carried by passengers or crew. (See 2.3.2 to 2.3.5 and Table 2.3.A of the IATA Dangerous Goods Regulations and Part 8 of these Instructions.)

≠ CX-07 Lithium metal cells and batteries (UN 3090) are prohibited from carriage as cargo on Cathay Pacific Airways aircraft. This prohibition applies to Section IA, Section IB and Section II of Packing Instruction 968. This prohibition does not apply to:  
— lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Packing Instruction 969 or 970; or  
— lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew. (See 2.3.2 to 2.3.5 and Table 2.3.A of the IATA Dangerous Goods Regulations and Part 8 of these Instructions.) Table 3-1  
4;11  
8;1

Amend the following variations for Cargolux Italia:

≠ C8-01 Radioactive material as defined in these Instructions will not be accepted for carriage with the exception of UN 2908, UN 2909, UN 2910, UN 2911, UN 2915, UN 2916 and UN 3332. 2;7  
Table 3-1

|   |       |  |                          |
|---|-------|--|--------------------------|
| ≠ | C8-03 | Lithium ion batteries and cells, UN 3480, including those approved by an appropriate authority under Special Provision A88 or A99, packed in accordance with Packing Instruction 965 are prohibited from carriage on Cargolux Italia aircraft. This prohibition does not apply to lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with Packing Instruction 966 or 967.         | Table 3-1<br>3;3<br>4;11 |
| ≠ | C8-04 | Lithium metal cells and batteries (UN 3090), including those approved by an appropriate authority under Special Provision A88 or A99 and packed in accordance with Packing Instruction 968 are prohibited from carriage on Cargolux Italia aircraft. This prohibition does not apply to lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Packing Instruction 969 or 970. | Table 3-1<br>3;3<br>4;11 |

*Amend the following variations for Delta Airlines:*

|   |       |   |      |
|---|-------|---|------|
| ≠ | DL-06 | UN 3480, Lithium ion batteries, Packing Instruction 965, Sections IA, IB and II will not be accepted for transport. | 4;11 |
|---|-------|---|------|

*Amend the following variation for Emirates Airlines:*

|   |       |  |                          |
|---|-------|--|--------------------------|
| ≠ | EK-02 | The following dangerous goods will not be accepted as cargo on Emirates Airlines: <ul style="list-style-type: none"><li>— UN 3090 — Lithium metal cells and batteries, including lithium alloy cells and batteries, prepared in accordance with Section IA, IB or II of Packing Instruction 968. This prohibition includes lithium metal batteries shipped in accordance with Special Provisions A88, A99 and A201.</li><li>— UN 3480 — Lithium ion cells and batteries, including lithium polymer cells and batteries, prepared in accordance with Section IA, IB or II of Packing Instruction 965. This prohibition includes lithium ion batteries shipped in accordance with Special Provisions A88 and A201.</li></ul> | Table 3-1<br>3;3<br>4;11 |
|---|-------|--|--------------------------|

*Amend the following variation for Etihad Airways:*

|   |       |   |                                |
|---|-------|---|--------------------------------|
| ≠ | EY-06 | Lithium ion batteries (UN 3480). Lithium ion cells and batteries are prohibited from carriage as cargo on Etihad Airways aircraft. This applies to Section IA, Section IB and Section II of Packing Instruction 965. This prohibition does not apply to: <ul style="list-style-type: none"><li>— lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with Packing Instruction 966 or 967;</li><li>— lithium batteries (rechargeable and non-rechargeable) covered by the provisions for dangerous goods carried by passengers or crew. (See 2.3.2 to 2.3.5 and Table 2.3.A of the IATA Dangerous Goods Regulations and Part 8 of these Instructions.)</li></ul> | Table 3-1<br>4;11<br>Table 8-1 |
|---|-------|---|--------------------------------|

Add the following new variations for Evelop Airlines:

|   |                             |  |
|---|-----------------------------|--|
| + | <b>E9 — EVELOP AIRLINES</b> |  |
|   | E9-01                       | Not used.  |
|   | E9-02                       | Dangerous goods in consolidations will not be accepted for carriage (see 1.3.3 and 9.1.8 of the IATA Dangerous Goods Regulations). 5;1<br>7;1<br>7;2 |
|   | E9-03                       | Infected animals, dead or alive, will not be accepted for carriage. 2;6.3.6  |
|   | E9-04                       | Class 7 — Radioactive material will not be accepted for carriage. 2;7  |
|   | E9-05                       | Wheelchairs with spillable batteries will not be accepted for carriage. Table 8-1  |
|   | E9-06                       | Not used.  |

Amend the following variations for Federal Express:

|   |       |  |                         |
|---|-------|--|-------------------------|
| ≠ | FX-02 | Except for UN 1230 — Methanol and excepted quantities, substances with a primary or subsidiary risk of Division 6.1 in Packing Group I or II:<br>— with an origin and destination within the U.S., including Puerto Rico, will be accepted only if in approved D.O.T. exemption/special permit (SP) packaging;<br>— will only be accepted for international transport in “V” rated combination packaging.<br>Poison inhalation hazard (PIH) with a hazard zone “A” or any Class 2 substance with a toxic primary or subsidiary risk label will not be accepted for carriage.   | 2;6<br>Table 3-1<br>3;5 |
| ≠ | FX-18 | Shippers’ declarations for dangerous goods for all FedEx Express® dangerous goods shipments originating in the United States must be prepared using software with dangerous goods compliance edit checks and by one of the following methods:<br>— Certain FedEx electronic shipping solutions;<br>— Recognized shipper proprietary software; or<br>— FedEx recognized dangerous goods vendor software.<br>FX-18 currently does not apply to:<br>— Shipments originating in non-U.S. locations (including U.S. territories overseas, such as Puerto Rico);<br>— FedEx International Express Freight® (IXF) and FedEx International Premium® (IP1);<br>— Shipments containing Class 7 radioactive materials.<br><br><i>Note.— A list of FedEx recognized dangerous goods shipping application vendors can be reviewed at <a href="http://www.fedex.com/us">www.fedex.com/us</a>; keyword dangerous goods.</i> | 5;4                     |

Add the following new variation for Hong Kong Airlines:

|   |       |  |                   |
|---|-------|--|-------------------|
| + | HX-07 | Lithium ion batteries (UN 3480). Lithium ion cells and batteries (including lithium polymer batteries) will not be accepted for carriage as cargo. This prohibition applies to Section IA, Section IB and Section II of Packing Instruction 965. | Table 3-1<br>4;11 |
|---|-------|--|-------------------|

*Amend* the following variation for Iberia, Líneas Aéreas de España:

|   |       |  |                          |
|---|-------|--|--------------------------|
| ≠ | IB-01 | UN 3480 — Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo on IB passenger carrying aircraft (see Packing Instruction 965). | Table 3-1<br>4;11<br>8;1 |
|   |       | This prohibition does not apply to:  |                          |
|   |       | — UN 3091 or UN 3481;  |                          |
|   |       | — lithium batteries (rechargeable and non-rechargeable) covered by the provisions for dangerous goods carried by passengers or crew. (See Table 2.3.A of the IATA Dangerous Goods Regulations.)  |                          |

*Add* the following new variations for Iberia Express:

|   |                            |   |                           |
|---|----------------------------|---|---------------------------|
| + | <b>I2 — IBERIA EXPRESS</b> |   |                           |
|   | I2-01                      | UN 3480 — Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo (see Packing Instruction 965).                                  | Table 3-1<br>4;11<br>8;1  |
|   |                            | This prohibition does not apply to:   |                           |
|   |                            | — UN 3091 or UN 3481;   |                           |
|   |                            | — lithium batteries (rechargeable and non-rechargeable) covered by the provisions for dangerous goods carried by passengers or crew. (See Table 2.3.A of the IATA Dangerous Goods Regulations.) |                           |
|   | I2-02                      | Infectious substances (UN 2814, UN 2900 and UN 3373) and biological products are not accepted for carriage in mail.   | 1;2,3<br>2;6<br>Table 3-1 |
|   | I2-03                      | Hazardous waste in any form, as defined by any regulation, will not be accepted for carriage. (See Packing Instruction 622 and 8.1.3.4 of the IATA Dangerous Goods Regulations).                | 4;8<br>5;1,1              |
|   | I2-04                      | Class 7 — Fissile radioactive material will not be accepted for carriage on passenger aircraft. (See 10.5.13 and 10.10.2 of the IATA Dangerous Goods Regulations.)                              | 2;7<br>Table 3-1          |

*Amend* the following variations for JL — Japan Airlines:

|   |       |  |                  |
|---|-------|--|------------------|
| ≠ | JL-01 | A unit load device (ULD) containing dangerous goods other than those indicated in 9.1.4 of the IATA Dangerous Goods Regulations, which is transferred from another carrier, will not be accepted, unless otherwise approved by Japan Airlines. |                  |
| ≠ | JL-03 | Type B(M) packages and/or any SCO or LSA materials in industrial packagings will not be accepted for carriage.   | 2;7<br>Table 3-1 |

*Amend* the following variation for JQ — Jetstar:

|   |       |   |     |
|---|-------|---|-----|
| ≠ | JQ-03 | New or used internal combustion engines will not be accepted for carriage in passenger baggage. | 8;1 |
|---|-------|---|-----|

Add the following new variation for JQ — Jetstar:

- |   |       |  |     |
|---|-------|--|-----|
| + | JQ-05 | UN 3480 — Lithium ion batteries, including lithium polymer batteries are prohibited from carriage as cargo on Jetstar aircraft. This applies to batteries prepared in accordance with Section IA, IB or II of Packing Instruction 965. Shipments exempt from this prohibition are: <ul style="list-style-type: none"><li>— UN 3480 — Lithium ion batteries (including lithium polymer batteries) shipped as AOG spares. The words “A.O.G Spares” must be entered in the “Additional handling information” box on the shipper’s declaration or on the air waybill when no shipper’s declaration is required in the “Handling information” or “Nature and quantity of goods” box.</li><li>— UN 3480 — Lithium ion batteries (including lithium polymer batteries) when shipped for use in urgent life-saving devices (where no other means of transport is available). The words “Urgently required to Support Life-Saving Devices” must be entered in the “Additional handling information” box on the shipper’s declaration or on the air waybill when no shipper’s declaration is required in the “Handling information” or “Nature and quantity of goods” box.</li></ul> | 8;1 |
|---|-------|--|-----|

The above exempt shipment must:

- not exceed 100 kg net each;
- comply with all relevant parts of the IATA Dangerous Goods Regulations (e.g. shipper’s declaration, if applicable);
- not exceed 100 kg total weight per aircraft; and
- be loaded into a Class C cargo compartment (lower deck only).

Amend “JU — JAT Airways” to read “JU — Air Serbia”.

Amend the following variations for JU — Air Serbia:

- |   |                        |   |     |
|---|------------------------|---|-----|
| ≠ | <b>JU — AIR SERBIA</b> |   |     |
| ≠ | JU-08                  | The carriage of UN 1845 — Carbon dioxide, solid (dry ice) when carried as cargo must not exceed 100 kg net quantity per compartment on B737 aircraft and 243 kg on A320 aircraft. Limits will be provided by cargo_booking@airserbia.com for A319 aircraft.   | 7;2 |
| ≠ | JU-11                  | Small gaseous oxygen or air cylinders required for medical use will only be accepted empty as checked baggage with the approval of Air Serbia. Should a passenger require supplementary oxygen, this will be provided by the operator at a cost with prior arrangements. (See 2.3.4.1 of the IATA Dangerous Goods Regulations.) | 8;1 |

Add the following new variation for JU — Air Serbia:

- |   |       |   |     |
|---|-------|---|-----|
| + | JU-13 | Lithium metal batteries (UN 3090). Lithium metal batteries are forbidden as cargo on Air Serbia aircraft. This applies to Sections I, IA, IB and II of Packing Instructions 968 to 970. | 7;2 |
|---|-------|---|-----|

Amend the following variations for Hong Kong Dragon Airlines (Dragonair):

- |   |       |  |                          |
|---|-------|--|--------------------------|
| ≠ | KA-01 | Lithium ion batteries (UN 3480). Lithium ion cells and batteries are prohibited from carriage as cargo on Dragonair aircraft. This applies to Section IA, Section IB and Section II of Packing Instruction 965. This prohibition does not apply to: <ul style="list-style-type: none"><li>— lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with Packing Instruction 966 or 967;</li><li>— lithium batteries (rechargeable and non-rechargeable) covered by the provisions for dangerous goods carried by passengers or crew. (See 2.3.2 to 2.3.5 and Table 2.3.A of the IATA Dangerous Goods Regulations and Part 8 of these Instructions.)</li></ul> | Table 3-1<br>4;11<br>8;1 |
|---|-------|--|--------------------------|

|   |       |   |                          |
|---|-------|---|--------------------------|
| ≠ | KA-07 | Lithium metal batteries (UN 3090). Lithium metal cells and batteries are prohibited from carriage as cargo on Dragonair aircraft. This prohibition applies to Section IA, Section IB and Section II of Packing Instruction 968. This prohibition does not apply to: <ul style="list-style-type: none"><li>— lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Packing Instruction 969 or 970; or</li><li>— lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew. (See 2.3.2 to 2.3.5 and Table 2.3.A of the IATA Dangerous Goods Regulations and Part 8 of these Instructions.)</li></ul> | Table 3-1<br>4;11<br>8;1 |
|---|-------|---|--------------------------|

Add the following new variation for KL — KLM, Royal Dutch Airlines/KLM Cityhopper B.V.:

|   |       |  |  |
|---|-------|--|--|
| + | KL-06 | UN 3480 — Lithium ion batteries shall be loaded into a lower deck unit load device (ULD). Therefore, shipper-built ULDs containing UN 3480 — Lithium ion batteries prepared in accordance with Packing Instruction 965, Section II as permitted by paragraph 9.1.4.1 g) of the IATA Dangerous Goods Regulations shall be offered for carriage as a lower deck ULD. |  |
|---|-------|--|--|

Amend the following variation for Nippon Cargo Airlines:

|   |       |  |       |
|---|-------|--|-------|
| ≠ | KZ-10 | Dangerous Goods as defined in the IATA Dangerous Goods Regulations, including items permitted by subsection 2.4, will not be accepted in airmail. This prohibition does not apply to airmail containing lithium metal or lithium ion batteries contained in equipment tendered by Japan Post Co., Ltd. | 1;2.3 |
|---|-------|--|-------|

Amend the following variations for Air Hong Kong:

|   |       |   |                          |
|---|-------|---|--------------------------|
| ≠ | LD-01 | Lithium ion batteries (UN 3480). Lithium ion cells and batteries are prohibited from carriage as cargo on Air Hong Kong aircraft. This applies to Section IA, Section IB and Section II of Packing Instruction 965. This prohibition does not apply to: <ul style="list-style-type: none"><li>— lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with Packing Instruction 966 or 967;</li><li>— lithium batteries (rechargeable and non-rechargeable) covered by the provisions for dangerous goods carried by passengers or crew. (See 2.3.2 to 2.3.5 and Table 2.3.A of the IATA Dangerous Goods Regulations and Part 8 of these Instructions.)</li></ul>                      | Table 3-1<br>4;11<br>8;1 |
| ≠ | LD-07 | Lithium metal batteries (UN 3090). Lithium metal cells and batteries are prohibited from carriage as cargo on Air Hong Kong aircraft. This prohibition applies to Section IA, Section IB and Section II of Packing Instruction 968. This prohibition does not apply to: <ul style="list-style-type: none"><li>— lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Packing Instruction 969 or 970; or</li><li>— lithium batteries (rechargeable and non-rechargeable) covered by the Provisions for Dangerous Goods Carried by Passengers or Crew. (See 2.3.2 to 2.3.5 and Table 2.3.A of the IATA Dangerous Goods Regulations and Part 8 of these Instructions.)</li></ul> | Table 3-1<br>4;11<br>8;1 |

Add the following new variation for Air Mauritius:

- |   |       |  |                          |
|---|-------|--|--------------------------|
| + | MK-16 | The only lithium ion or metal cells or batteries accepted for transport on Air Mauritius aircraft as cargo are those prepared in accordance with Section II of Packing Instructions 965, 966, 967, 969 and 970.<br><br>This prohibition does not apply to: <ul style="list-style-type: none"> <li>— lithium batteries covered by the provisions for dangerous goods carried by passengers or crew. (See Table 2.3.A of the IATA Dangerous Goods Regulations.)</li> <li>— lithium metal or ion batteries or cells contained in medical equipment being transported for humanitarian reasons with prior authorization from Air Mauritius ground services.</li> <li>— lithium metal or ion batteries and cells that are presented as Air Mauritius Company Material (COMAT).</li> </ul> | Table 3-1<br>4;11<br>8;1 |
|---|-------|--|--------------------------|

**Additional document(s) to accompany shipment(s)**

For Section II of Packing Instructions 965, 966, 967, 969 and 970: form Ref MK ELI/ELM /001 obtained from Air Mauritius Cargo Commercial.

Add the following new variation for Martinair Holland:

- |   |       |  |  |
|---|-------|--|--|
| + | MP-06 | UN 3480 — Lithium ion batteries shall be loaded into a lower deck unit load device (ULD). Therefore, shipper-built ULDs containing UN 3480 — Lithium ion batteries prepared in accordance with Packing Instruction 965, Section II as permitted by paragraph 9.1.4.1 g) of the IATA Dangerous Goods Regulations shall be offered for carriage as a lower deck ULD. |  |
|---|-------|--|--|

Amend the following variation for Mongolian Airlines:

- |  |       |   |           |
|--|-------|---|-----------|
|  | OM-06 | The following packagings shipped as single packagings must be protected from damage by being overpacked to protect the top and bottom of the packaging: <ul style="list-style-type: none"> <li>— 1A1/1A2/1B1/1B2/1N1/1N2</li> <li>— 3A1/3A2/3B1/3B2</li> <li>— 6HA1</li> </ul>  | 6;1       |
|  | OM-07 | Dangerous goods in airmail will not be accepted for carriage.   | 1;2.3     |
|  | OM-08 | Dangerous goods in “limited quantities” (“Y” packing instructions) will not be accepted for carriage. Exception: ID 8000 — Consumer commodity will be accepted. (See 3;4 of these Instructions, 2.7 of the IATA Dangerous Goods Regulations and all “Y” packing instructions.)<br><br><i>Note.— The above requirement does not apply to company material (COMAT).</i> | 3;4       |
|  | OM-09 | Dangerous goods in consolidations will not be accepted for carriage.  | 7;2       |
|  | OM-10 | Salvage packaging will not be accepted for carriage.  | 4;1       |
|  | OM-11 | Class 7 — Radioactive material of any kind will not be accepted for carriage.   | 2;7       |
|  | OM-12 | Dangerous goods in Packing Group I will not be accepted.<br><br><i>Note.— The above requirement does not apply to company material (COMAT).</i>   | Table 3-1 |
|  | OM-13 | Dangerous goods listed in the list of high consequence dangerous goods will not be accepted for carriage.<br><br><i>Note.— The above requirement does not apply to company material (COMAT).</i>  | Table 1-7 |



|       |  |                          |
|-------|--|--------------------------|
| OM-14 | Dangerous goods originating from China will not be accepted for carriage<br><br><i>Note.— The above requirement does not apply to company material (COMAT).</i>  |                          |
| OM-15 | Lithium metal or lithium alloy cells and batteries packed with or contained in equipment (UN 3091) are prohibited from carriage as cargo on OM flights/aircraft (see Packing Instructions 969 and 970).<br><br><i>Note.— The above requirement does not apply to company material (COMAT).</i>   | Table 3-1<br>3;3<br>4;11 |
| OM-16 | Wheelchairs or other battery-powered mobility devices with spillable batteries will be accepted only when the battery is removed from the wheelchair or mobility device. The spillable battery, classified as dangerous goods, can only be carried as cargo (see 2.3.2.3 and 9.3.15 of the IATA Dangerous Goods Regulations). Batteries attached to or installed in the wheelchair or mobility device will not be accepted (see 2.3.2.3 and 9.3.14 of the IATA Dangerous Goods Regulations). | 8;1                      |
| OM-17 | Any type of internal combustion or fuel cell engine either transported individually or incorporated into another machine or equipment, even when still in its new original packaging, will not be accepted as baggage. It may only be carried as cargo.  | 8;1                      |
| OM-18 | Camping stoves and fuel containers that have contained a flammable liquid fuel will not be accepted for carriage in baggage. This variation applies also to used camping stoves which have been thoroughly cleaned (see 2.3.2.5 of the IATA Dangerous Goods Regulations).  | 8;1                      |

Amend the following variation for Asiana:

|   |  |     |
|---|--|-----|
| ≠ | OZ-09 Dangerous goods will not be accepted for carriage as cargo on OZ's passenger aircraft with the exception of:<br><br><ul style="list-style-type: none"> <li>— dangerous goods in excepted quantities;</li> <li>— radioactive material, excepted packages;</li> <li>— UN 1845 — Carbon dioxide, solid (dry ice)</li> <li>— UN 2807 — Magnetized material</li> <li>— ID 8000 — Consumer commodity</li> <li>— UN 3373 — Biological substance, Category B</li> <li>— UN 3166 — Engine, internal combustion, flammable liquid powered</li> <li>— UN 3166 — Engine, fuel cell, flammable liquid powered</li> <li>— UN 3166 — Vehicle, flammable liquid powered</li> <li>— UN 3091 — Lithium metal batteries packed with equipment (Packing Instruction 969, Section II only)</li> <li>— UN 3091 — Lithium metal batteries contained in equipment (Packing Instruction 970, Section II only)</li> <li>— UN 3480 — Lithium ion batteries (Packing Instruction 965, Sections IB and II only)</li> <li>— UN 3481 — Lithium ion batteries packed with equipment (Packing Instruction 966, Section II only)</li> <li>— UN 3481 — Lithium ion batteries contained in equipment (Packing Instruction 967, Section II only)</li> </ul> | 3;5 |
|---|--|-----|

Add the following new variations for Qantas Airways:

|   |  |                          |
|---|--|--------------------------|
| + | QF-05 Lithium metal cells and batteries (UN 3090), including lithium alloy batteries, are prohibited from carriage on Qantas Airways aircraft. This prohibition applies to Section IA, Section IB and Section II of Packing Instruction 968. This prohibition does not apply to:<br><br><ul style="list-style-type: none"> <li>— lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Packing Instruction 969 or 970;</li> </ul> | Table 3-1<br>4;11<br>8;1 |
|---|--|--------------------------|

- lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with Packing Instruction 966 or 967; or
  - lithium batteries when in accordance with the provisions for dangerous goods carried by passengers or crew.
- + QF-06 UN 3480 — Lithium ion batteries, including lithium polymer batteries, are prohibited from carriage as cargo on Qantas Airways aircraft. This applies to batteries prepared in accordance with Section IA, IB or II of Packing Instruction 965. Shipments exempt from this prohibition are:
- UN 3480 — Lithium ion batteries (including lithium polymer batteries) shipped as AOG spares. The words “A.O.G Spares” must be entered in the “Additional handling information” box on the shipper’s declaration or on the air waybill when no shipper’s declaration is required in the “Handling information” or “Nature and quantity of goods” box.
  - UN 3480 — Lithium ion batteries (including lithium polymer batteries) when shipped for use in urgent life-saving devices (where no other means of transport is available). The words “Urgently required to Support Life-Saving Devices” must be entered in the “Additional handling information” box on the shipper’s declaration or on the air waybill when no shipper’s declaration is required in the “Handling information” or “Nature and quantity of goods” box.
- The above exempt shipment must:
- not exceed 100 kg net each;
  - comply with all relevant parts of the IATA Dangerous Goods Regulations (e.g. shipper’s declaration, if applicable);
  - not exceed 100 kg total weight per aircraft; and
  - be loaded into a Class C cargo compartment (lower deck only).

Amend the following variation for Jazz Aviation LP:

- ≠ QK-05 Internal combustion engines, being shipped either separately or incorporated into a vehicle, machine or other apparatus, the fuel tank or fuel system of which contains or has contained fuel, must be classified as Class 9, UN 3166, **Engine, internal combustion, flammable liquid powered** or as Class 9, UN 3166, **Vehicle, flammable liquid powered**, as appropriate. 2;9  
4;11

Amend the following variations for Qatar Airways:

- ≠ QR-01 Not used.  
≠ QR-06 Not used.

Add the following new variation for Qatar Airways:

- + QR-07 The following dangerous goods will not be accepted for carriage as cargo: Table 3-1  
4;11
- UN 3090 — Lithium metal cells and batteries, including lithium alloy cells and batteries, prepared in accordance with Sections IA and IB of Packing Instruction 968. UN 3090 prepared in accordance with Section II of Packing Instruction 968 will be accepted for carriage.
  - UN 3480 — Lithium ion cells and batteries, including lithium polymer cells and batteries, prepared in accordance with Section IA of Packing Instruction 965. UN 3480 prepared in accordance with Section IB or II of Packing Instruction 965 will be accepted on both passenger and cargo aircraft.

*Amend* the following variation for Air Canada Rouge:

|   |       |  |                   |
|---|-------|--|-------------------|
| ≠ | RV-05 | Internal combustion engines, being shipped either separately or incorporated into a vehicle, machine or other apparatus, the fuel tank or fuel system of which contains or has contained fuel, must be classified as Class 9, UN 3166, <b>Engine, internal combustion, flammable liquid powered</b> or as Class 9, UN 3166, <b>Vehicle, flammable liquid powered</b> , as appropriate. | Table 3-1<br>4;11 |
|---|-------|--|-------------------|

*Amend* the following variations for Scoot Airlines:

|   |       |  |                   |
|---|-------|--|-------------------|
| ≠ | TZ-04 | Dangerous goods shipments will only be accepted from SIA, SIA Cargo, Silkair and NokScoot.   |                   |
| ≠ | TZ-06 | Lithium metal cells and batteries contained in or packed with equipment (UN 3091) prepared in accordance with Section I of Packing Instruction 969 and Packing Instruction 970 are prohibited for carriage as cargo. | Table 3-1<br>4;11 |

This prohibition does not apply to:

- lithium metal cells or batteries packed with or contained in equipment (UN 3091) in accordance with Section II of Packing Instructions 969 and 970;
- lithium ion cells and batteries (UN 3481) in accordance with Packing Instructions 966 and 967; or
- lithium batteries (rechargeable and non-rechargeable) covered under the provisions for dangerous goods carried by passengers or crew (see 2.3.2 to 2.3.5 and Table 2.3.A of the IATA Dangerous Goods Regulations).

*Add* the following new variation for Scoot Airlines:

|   |       |  |                          |
|---|-------|--|--------------------------|
| + | TZ-07 | UN 3480 — Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo (see Packing Instruction 965). | Table 3-1<br>4;11<br>8;1 |
|---|-------|--|--------------------------|

This prohibition does not apply to:

- lithium batteries (rechargeable and non-rechargeable) covered by the provisions for dangerous goods carried by passengers or crew. (See Table 2.3.A of the IATA Dangerous Goods Regulations.)

*Add* the following new variation for United Airlines:

|   |       |   |  |
|---|-------|---|--|
| + | UA-04 | UN 3480 — Lithium ion batteries prepared in accordance with Sections IA, IB and II of Packing Instruction 965 will not be accepted for carriage as cargo. Exception will be made for United Airlines company materials. |  |
|---|-------|---|--|

*Delete* the variations for US Airways.

*Amend* the following variation for Air Europa:

|   |       |  |                          |
|---|-------|--|--------------------------|
| ≠ | UX-11 | UN 3480 — Lithium ion cells and batteries, including lithium polymer cells and batteries, are prohibited from carriage as cargo. This applies to Sections IA, IB and II of Packing Instruction 965. Shipments exempt from this prohibition are:<br><br>— company aircraft spare parts and supplies, COMAT, AOG;<br><br>— lithium batteries covered by the provisions of dangerous goods carried by passengers and crew. (See Table 2.3.A of the IATA Dangerous Goods Regulations.) | Table 3-1<br>4;11<br>8;1 |
|---|-------|--|--------------------------|

Add the following new variation for Virgin Australia:

|   |       |  |                          |
|---|-------|--|--------------------------|
| + | VA-03 | Lithium ion batteries (UN 3480) are prohibited for carriage as cargo. This prohibition does not apply to: <ul style="list-style-type: none"><li>— UN 3481 — Lithium ion batteries packed with or contained in equipment;</li><li>— UN 3091 — Lithium metal batteries packed with or contained in equipment;</li><li>— lithium batteries (rechargeable and non-rechargeable) covered by the provisions for dangerous goods carried by passengers or crew. (See Table 2.3.A of the IATA Dangerous Goods Regulations and Part 8 of these Instructions.)</li></ul> | Table 3-1<br>4;11<br>8;1 |
|---|-------|--|--------------------------|

Amend the following variation for Southwest Airlines:

|   |       |   |                    |
|---|-------|---|--------------------|
| ≠ | WN-01 | Southwest Airlines will not accept commercial shipments of dangerous goods as defined by these Instructions including dangerous goods in limited or excepted quantities except for the following: <ul style="list-style-type: none"><li>— dangerous goods in <i>de minimis</i> quantities;</li><li>— UN 3481 — Lithium ion batteries contained in or packed with equipment and UN 3091 — Lithium metal batteries contained in or packed with equipment will only be accepted when packed in accordance with Section II of the applicable packing instruction (see Packing Instructions 966 to 967 and Packing Instructions 969 to 970);</li><li>— UN 3373 — Biological substance, Category B (if package is being cooled by dry ice, the quantity of dry ice cannot exceed 2.5 kg).</li></ul> | 3;4<br>3;5<br>4;11 |
|---|-------|---|--------------------|

Add the following new variations for NokScoot Airlines:

|   |                               |   |     |
|---|-------------------------------|---|-----|
| + | <b>XW — NOKSCOOT AIRLINES</b> |   |     |
|   | XW-01                         | Class 7 — Fissile Material will not be accepted.  | 2;7 |
|   | XW-02                         | UN 3356 — Oxygen generator, chemical, will not be accepted for carriage.  |     |
|   | XW-03                         | The shipper must provide a 24-hour emergency telephone number of a person/agency who is knowledgeable of the hazards, characteristics and actions to be taken in the case of an accident or incident concerning each of the dangerous goods being transported. This telephone number, including the country and area code, preceded by the words "Emergency contact" or "24-hour number", must be inserted on the shipper's declaration for dangerous goods (DGD), preferably in the "Handling information" box, e.g. "Emergency contact +47 67 50 00 00". (See 8.1.6.11 and 10.8.3.11 of the IATA Dangerous Goods Regulations.)<br><br>A 24-hour emergency telephone number is not required for shipments that do not require a DGD. | 5;4 |
|   | XW-04                         | Dangerous goods shipments will only be accepted from SIA, SIA Cargo, Silkair and Scoot.   |     |
|   | XW-05                         | Carriage of UN 3373 — Biological substance, Category B infectious substances are subject to specific requirements. Shippers wishing to consign UN 3373 are requested to contact the NokScoot Airlines office for these requirements.  | 2;6 |

|       |  |                   |
|-------|--|-------------------|
| XW-06 | Lithium metal cells and batteries contained in or packed with equipment (UN 3091) prepared in accordance with Section I of Packing Instruction 969 and Packing Instruction 970 are prohibited for carriage as cargo. | Table 3-1<br>4;11 |
|-------|--|-------------------|

This prohibition does not apply to:

- lithium metal cells or batteries packed with or contained in equipment (UN 3091) in accordance with Section II of Packing Instructions 969 and 970;
- lithium ion cells and batteries (UN 3481) in accordance with Packing Instructions 966 and 967; or
- lithium batteries (rechargeable and non-rechargeable) covered under the provisions for dangerous goods carried by passengers or crew (see 2.3.2 to 2.3.5 and Table 2.3.A of the IATA Dangerous Goods Regulations).

|       |  |                          |
|-------|--|--------------------------|
| XW-07 | UN 3480 — Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo (see Packing Instruction 965). | Table 3-1<br>4;11<br>8;1 |
|-------|--|--------------------------|

This prohibition does not apply to:

- lithium batteries (rechargeable and non-rechargeable) covered by the provisions for dangerous goods carried by passengers or crew. (See Table 2.3.A of the IATA Dangerous Goods Regulations.)

Add the following new variations for Jetstarasia:

|       |   |                   |
|-------|---|-------------------|
| +     | <b>3K — JETSTARASIA</b>   |                   |
| 3K-01 | Not used.   |                   |
| 3K-02 | Division 4.1 — Flammable solids. Passengers and crew are not permitted to bring book matches onto aircraft for personal use. Book matches are only allowed as correctly packed and declared dangerous goods consignments (see 2.3.5.6 of the IATA Dangerous Goods Regulations). | 8;1               |
| 3K-03 | Operator approval is required for the carriage of all new and used internal combustion engines (see 2.3.5.15 of the IATA Dangerous Goods Regulations).  | 8;1               |
| 3K-04 | Oxygen or air, gaseous cylinders required for medical use are only accepted for transport in or as carry-on baggage (see 2.3.4.1 of the IATA Dangerous Goods Regulations).  | 8;1               |
| 3K-05 | Dangerous goods in consolidations will not be accepted for carriage, except for UN 1845, Carbon dioxide, solid (dry ice) up to a maximum of 145 kg per flight when used as a refrigerant for non-dangerous goods consignments.  | 5;1<br>7;1<br>7;2 |

Amend the following variations for United Parcel Service:

|   |       |   |  |
|---|-------|---|--|
| ≠ | 5X-03 | Dangerous goods shipments will be accepted by UPS Air Cargo Service by contract only. All contract applications must be reviewed and approved by the UPS Air Dangerous Goods Department (SDF) and Air Cargo Service (UPS Air Group-SDF). Hazardous classes accepted in UPS Air Cargo Service are subject to approval, and shipments are subject to advance arrangement. |  |
|   |       | UPS Air Cargo Service does not accept shipments of UN 3090, Section IA or IB lithium metal batteries. Refer to 5X-08 for information regarding approval to ship UN 3090, Section II lithium metal batteries.  |  |

5X-07 The following limitations apply to the commodities identified here:

2;9  
4;11

- ≠
- depending on the required routing, shipments of UN 3480, Lithium ion batteries prepared in accordance with Section II of Packing Instruction 965 may need to be returned to shippers due to prohibitions on carrying such shipments aboard passenger aircraft.
  - shipments of UN 3077, Environmentally hazardous substance, solid, n.o.s., will not be accepted when contained in intermediate bulk containers (IBCs) in any UPS air services (including UPS small package, UPS freight air services or UPS air cargo services);
  - shipments of UN 2807, Magnetized material, for which the magnetic field strength exceeds 0.00525 gauss when measured at 4.6 metres from any surface of the package are not accepted in UPS services (including UPS small package, UPS freight air services or UPS air cargo services);
  - shipments of refurbished lithium batteries, or refurbished lithium batteries packed with or contained in equipment are not accepted unless specifically approved by the UPS Air Dangerous Goods Department (SDF);
  - shipments of UN 3245, Genetically modified organisms or Genetically modified micro-organisms, with an origin and/or destination outside the United States are not accepted in UPS small package services. For UPS air freight shipments, case-by-case approval is required to assure the ability to import or transit the shipments within the countries involved.

Add the following new variation for United Parcel Service:

- + 5X-08 UPS limits transport of UN 3090, Lithium metal batteries to origins and destinations within its international dangerous goods (IDG) network. A listing of origins and destinations authorized for IDG may be found at the following link:

<http://www.ups.com/content/us/en/resources/ship/idg/information/acl.html>

All customers who wish to ship UN 3090, Lithium metal batteries without equipment via UPS air services must obtain pre-approval from UPS Airlines. The pre-approval requirement applies to lithium metal battery shipments that are considered lightly regulated (such as small cells or batteries), as well as to lithium metal battery shipments that are fully regulated and require dangerous goods shipping papers (shipper's declaration). This approval is separate and in addition to any other required UPS agreement.

More information regarding the approval programme may be found at the following link:

<http://www.ups.com/content/us/en/resources/ship/hazardous/responsible/lithium-battery-preapproval.html>

In Attachment 3, Chapter 2, page A3-2-107, third line of the address, *amend* "University Street" to read "Robert-Bourassa Boulevard".