IATA Dangerous Goods Regulations

56th Edition (English)
Effective 1 January 2015

ADDENDUM 2
Posted 4 May 2015

Users of the IATA Dangerous Goods Regulations are asked to note the following amendments and corrections to the 56th Edition, effective from 1 January 2015.

Where appropriate, changes or amendments to existing text have been highlighted (in yellow - PDF or grey - hardcopy) to help identify the change or amendment.

New or Amended State Variations (Section 2.8.2)

Amend **PLG (Poland)**

PLG-01 ~~Transport of~~ Consignments containing spent nuclear fuel or radioactive waste, transported to, from, through ~~or~~and over the territory of Poland ~~will not be accepted without permission by the President of the Civil Aviation Office (CAO) after consultation with the President of the National Atomic Energy Agency. Every correspondence should be sent to the President of the CAO no later than thirty working days before planned flight. The applications should be sent to:~~ are subject to prior written notification. Notification should be forwarded at least two weeks prior to shipment to:

~~President of Civil Aviation Office~~
~~2 Flisa Street~~
~~02-247 Warsaw~~
~~POLAND~~

National Atomic Energy Agency (PAA)
Department of Radiological Protection
Krucza 36 Street
00-522 Warsaw
Telephone No: +48 22 695 97 43
Fax No: +48 22 695 98 71
E-mail: sekretariat.dor@paa.gov.pl

Amend **USG (United States)**

USG-02 In addition to the dangerous goods included in Subsection 4.2 (List of Dangerous Goods) with the word “Forbidden” shown in columns G/H, I/J and K/L and with no A1 or A2 Special Provision indicated, any material forbidden for transport by the United States' Regulations is also forbidden for transport under any circumstances to, from or within the United States (see 49 CFR 173.21 and the Hazardous Materials Table in 49 CFR 172.101).

Unless specifically authorized by the Hazardous Material Table in 49 CFR 172.101, the transport of a liquid with a vapour inhalation toxicity meeting the criteria of Division 6.1, Packing Group I or a gas meeting the criteria of Division 2.3 is forbidden for transport aboard passenger and cargo aircraft to, from or within the United States.

~~Primary (non-rechargeable) lithium metal batteries and cells, (UN 3090), are forbidden for transportation aboard passenger-carrying aircraft. Such batteries transported in accordance with Section II of Packing Instruction 968 must be marked “PRIMARY LITHIUM BATTERIES—FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT” or “LITHIUM METAL BATTERIES—FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT” in addition to the CARGO AIRCRAFT ONLY label required by these Regulations.~~

~~Primary (non-rechargeable) lithium metal batteries and cells contained in or packed with equipment (UN 3091) are forbidden for transportation aboard passenger-carrying aircraft unless:~~

~~1. the equipment and the batteries and cells are transported in accordance with Packing Instruction 969 or 970, as appropriate;~~

~~2. the package contains no more than the number of lithium metal batteries or cells necessary to power the intended piece of equipment;~~

~~3. the lithium content of each cell, when fully charged, is not more than 5 g;~~

~~4. the aggregate lithium content of the anode of each battery, when fully charged, is not more than 25 g; and~~

~~5. the net weight of lithium batteries does not exceed 5 kg (11 lb).~~

~~Primary (non-rechargeable) lithium metal batteries and cells contained in or packed with equipment (UN 3091) and transported in accordance with Section I of Packing Instruction 969 or 970 that do not conform to the above provisions are forbidden for transportation aboard passenger-carrying aircraft and must be labelled with the CARGO AIRCRAFT ONLY label.~~

~~Primary (non-rechargeable) lithium metal batteries and cells contained in or packed with equipment (UN 3091) and transported in accordance with Section II of Packing Instruction 969 or 970 that do not conform to the above provisions are forbidden for transportation aboard passenger-carrying aircraft and must be marked "PRIMARY LITHIUM BATTERIES—FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT" or "LITHIUM METAL BATTERIES—FORBIDDEN FOR TRANSPORT ABOARD PASSENGER AIRCRAFT".~~

Notes:

1. Dangerous goods that are forbidden on passenger aircraft by 49 CFR 172.101 (Column 9A) are also forbidden on passenger aircraft even when these Regulations permit such carriage. Dangerous goods that are forbidden on cargo aircraft by 49 CFR 172.101 (Column 9B) are also forbidden on cargo aircraft even when these Regulations permit such carriage.

2. Dangerous goods not permitted for carriage by passengers or crew in checked or carry-on baggage by 49 CFR 175.10 are not permitted for such carriage even when authorized by 2.3 of these Regulations. For example, the carriage of avalanche rescue backpacks by passenger or crew (see 2.3.4.3) is not authorized.

USG-03 The following provisions apply to substances listed in Subsection 4.2—List of Dangerous Goods:

- **(a)** where A1 appears in Column M, the substance may not be transported to, from, or within the United States aboard a passenger aircraft without the prior approval of the appropriate authority of the US (see USG-01);
- **(b)** where A2 appears in Column M, the substance may not be transported to, from, or within the United States aboard a cargo aircraft without the prior approval of the appropriate authority of the US (see USG-01);
- **(c)** prototype lithium batteries and cells transported in accordance with special provision A88, lithium cells or batteries including when packed with equipment or contained in equipment transported in accordance with Special Provision A99, and organic peroxides and self-reactive substances that are not identified by technical name in 49 CFR 173.225(b) may not be transported to, from, or within the United States aboard a passenger or cargo aircraft without the prior approval of the appropriate authority of the US (see USG-01);
- ~~**(d)** where A201 appears in Column M, the lithium metal cells or batteries may not be transported to, from or within the United States aboard a passenger aircraft without the prior approval of the appropriate authority of the U.S. (see USG-01).~~

USG-16 Safety devices (including ~~Air~~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 national authority of the US (see USG-01), 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. ~~For domestic transport, air bag inflators, modules and pretensioners that meet the criteria for a Division 1.4G explosive must be transported using the description **Articles, pyrotechnic for technical purposes** UN 0431.~~ The dangerous goods transport document (Shipper's Declaration) must contain the EX number or product code for each approved ~~inflator, module or pretensioner~~safety device in association with the basic description required in 8.1.6.9.1. If product codes are used they must be traceable to the specific EX number assigned to the ~~inflator, module or pretensioner, as applicable,~~ safety device, the appropriate authority of the US The EX

number or product code is not required to be marked on the outside package. These requirements do not apply to ~~air bag inflators, air bag modules and seat belt pretensioners~~ safety devices assigned to Class 9 (UN 3268) provided that the provisions of 49 CFR 173.166 have been met.

New or Amended Operator Variations (Section 2.8.4)

In 2.8.3.4 List add:

After Air Niugini	Air Serbia	JU
After Iberia	Iberia Express	I2
After Jet Airways:	JetBlue Airways	B6

Delete: JAT Airways JU

Delete: US Airways US

In 2.8.4 make the following changes:

Amend **5X (United Parcel Service)**

5X-03 Dangerous goods shipments will be accepted in 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). Hazard Classes accepted in Air Cargo Service are subject to approval, and shipments are subject to advance arrangement.

~~• A contract is required for shipments of UN 3480, Lithium ion batteries, prepared in accordance with Section IB of Packing Instructions 965. Such shipments must be tendered with either:~~

~~a completed Shipper's Declaration for Dangerous Goods; or~~

~~an Air Waybill presenting the information required by Section IB, paragraph (b)(1) through (b)(4) of Packing Instructions 965.~~

- 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:

- Depending on required routing, shipments of ~~UN 3090, Lithium metal batteries, including Section II shipments~~, UN 3480, Lithium ion batteries prepared in accordance with Section II of PI 965 may need to be returned to shippers due to ~~prohibitions on carrying such shipments aboard passenger aircraft~~ additional restrictions imposed by aircraft operators which may limit UPS's ability to provide service to and from some origins and destinations.

- 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 lithium batteries in any UPS air services (including UPS Small Package, UPS Air Freight services or UPS Air Cargo services) which require the use of Special Provisions A88, A99 or A183 are subject to and must receive prior approval from the UPS Air Dangerous Goods Department (SDF);

- 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 Air Freight ~~Air S~~services or UPS Air Cargo services);

- Shipments of UN 2807, Magnetized materials, for which the magnetic field strength exceeds 0.00525 gauss when measured at 4.6 m from any surface of the package are not accepted in UPS services (including UPS Small Package; UPS Air Freight ~~Air S~~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 U.S. 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 countries involved.

Add new

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 program may be found at the following link: http://www.ups.com/content/us/en/resources/ship/hazardous/responsible/lithium-battery-preapproval.html

Amend **AA (American Airlines)**

Add new

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)

AA-08 The number of packages of Section II Lithium Batteries in Packing Instructions 966, 967, 969 and 970 must be indicated on the Air Waybill.

Amend **AC (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, **Engines, internal combustion, flammable liquid powered**, or as Class 9, UN 3166, **Vehicle, flammable liquid powered**, as appropriate.

~~Including but not limited to chainsaws, lawnmowers, generators, outboard motors, etc.~~

~~**(see Packing Instruction 950).**~~

AC-06 The number of packages of Section II Lithium Batteries in Packing Instructions ~~965-970~~ 965-967, 969 and 970 must be indicated on the Air Waybill.

Add new **B6 (JetBlue Airways)**

B6 (JetBlue Airways)

B6-01 JetBlue Airways will not accept shipments of dangerous goods as defined by these Regulations for carriage as cargo, including limited quantity and excepted quantity, 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 **BA (British Airways)**

BA-01 ~~UN 3090 Lithium batteries. Primary (non-rechargeable) lithium (metal)~~ UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo on BA passenger carrying aircraft (see Packing Instruction ~~968~~965).

This prohibition does not apply to:

- UN 3091~~, UN 3480,~~ 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).

Amend **C8 (Cargolux Italia)**

C8-01 ~~Radioactive materials, as defined in these Regulations, will not be accepted for carriage (see 10.10.2).~~ With the exception of UN 2908, UN 2909, UN 2910, UN 2911, UN 2915, UN 2916 and UN 3332 radioactive material, as defined in these Regulations, will not be accepted for carriage.

C8-03 ~~Not used.~~ Lithium ion cells and batteries (UN 3480), including those approved by an appropriate authority under special provisions A88 or A99, packed in accordance with PI 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 PI 966 or PI 967.

C8-04 Lithium metal cells and batteries (UN 3090), including those approved by an appropriate authority under special provisions A88 or A99, packed in accordance with PI 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 PI 969 and PI 970~~;~~.

~~• Lithium ion cells and batteries (UN 3480) packed in accordance with PI 965; or~~

~~• Lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 and PI 967.~~

Amend **CV (Cargolux)**

CV-03 ~~Not used.~~ Lithium ion cells and batteries (UN 3480), including those approved by an appropriate authority under special provisions A88 or A99, packed in accordance with PI 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 PI 966 or PI 967.

CV-04 Lithium metal cells and batteries (UN 3090), including those approved by an appropriate authority under special provisions A88 or A99, packed in accordance with PI 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 PI 969 and PI 970~~;~~.

~~• Lithium ion cells and batteries (UN 3480) packed in accordance with PI 965; or~~

~~• Lithium ion cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 and PI 967.~~

Amend **CX (Cathay Pacific Airways)**

CX-01 ~~Not used~~ UN 3480 Lithium ion batteries. Lithium ion cells and batteries are prohibited from carriage as cargo on Cathay Pacific Airways aircraft. This applies to Section IA, 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 PI 966 and PI 967; 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).

CX-07 UN 3090 Lithium metal batteries. Lithium metal cells and batteries are prohibited from carriage as cargo on Cathay Pacific Airways aircraft. This applies to Section IA, 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 PI 969 and PI 970 ~~and lithium ion cells and batteries (UN 3480 and UN 3481) in accordance with PI 965 to PI 967~~; 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).

Amend **EK (Emirates)**

EK-02 ~~UN 3090 – Lithium metal cells and batteries, including lithium alloy cells and batteries, prepared in accordance with Section IA, IB and II of Packing Instruction 968 are forbidden for transport as cargo on Emirates cargo flights. This prohibition includes lithium metal batteries shipped under an approval in accordance with Special Provision A88 and A99 and exemption in accordance with Special Provision A201~~
The following dangerous goods will not be accepted for carriage as cargo on Emirates:

- UN 3090 – Lithium metal cells and batteries, including lithium alloy cells and batteries, prepared in accordance with Section IA, IB and II of Packing Instruction 968. This prohibition also includes lithium metal batteries shipped under an approval in accordance with Special Provision A88, A99 and exemption in accordance with Special Provision A201.
- UN 3480 – Lithium ion cells and batteries, including lithium polymer cells and batteries, prepared in accordance with Section IA, IB and II of Packing Instruction 965. This prohibition also includes lithium ion batteries shipped under an approval in accordance with Special Provision A88 and A99.

Amend **EY (ETIHAD Airways)**

EY-06 ~~Not used.~~ UN 3480 Lithium ion batteries. Lithium ion cells and batteries are prohibited from carriage as cargo on Etihad aircraft. This applies to Section IA, 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 PI 966 and PI 967; 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).

Amend **FX (Federal Express)**

FX-02 Except for UN 1230 — Methanol and Excepted Quantities (EQ), substances with a primary or subsidiary risk of Division 6.1 in Packing Group I or II:

- with an origin and destination within the USA, including Puerto Rico, will only be accepted if in approved DOT Exemption/Special Permit (SP) packaging;
- will only be accepted for International transport in “V” rated combination packaging.

~~Shippers of Division 6.1, Packing Group III primary or subsidiary risk MUST indicate “PG III” adjacent to the hazard label on the outer package for shipments to, from, within or transiting the USA.~~

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.

FX-03 Class 7 substances offered on FedEx International Priority Freight (IPF), FedEx International Premium (IP1) or FedEx International Express Freight (IXF) may require a pre-alert or pre-approval. Call (877) 398-5851 for additional information. Plutonium 239 and 241 will not be accepted as UN 3324, UN 3325, UN 3326, UN 3327, UN 3328, UN 3329, UN 3330, UN 3331 or UN 3333.

FedEx Express will not accept labeled radioactive material with a subsidiary risk of 1.4, ~~2.1,~~ 3, 4.1, 4.2, 4.3, 5.1, 5.2, 8, or 2.2 with a Cargo Aircraft Only label unless the shipper has been pre-approved.

Class 7 shipments originating in a non-U.S. location require pre-approval. Call your local FedEx customer service number and ask for FedEx Express Freight customer service.

All fissile shipments worldwide require pre-approval. Call 1-901-434-3200 for assistance.

For mixtures or solutions of radionuclides enter “mixture” or “solution” as appropriate in the Quantity and Type of Packaging in association ~~associate~~ with the physical and chemical form (e.g., liquid salt solution or solid oxide mixture).

FX-18 Shipper’s Declaration for Dangerous Goods for all FedEx Express® dangerous goods shipments must be prepared using software with dangerous goods compliance edit checks and by one of the following methods:

- Certain FedEx electronic shipping solutions;
- Recognized shipper proprietary software; or
- FedEx recognized dangerous goods vendor software.

FX-18 currently does not apply to:

- Shipments originating in non-U.S. locations (including U.S. territories overseas, such as Puerto Rico);
- ~~FedEx International~~, FedEx International Express Freight (IXF) and FedEx International Premium (IP1);
- Shipments containing class 7 radioactive materials.

Note:
A list of FedEx recognized dangerous goods shipping application vendors can be reviewed at www.fedex.com/us*; dangerous goods (keyword).*

Amend **HX (Hong Kong Airlines)**

Add new

HX-07 UN 3480 Lithium ion batteries (including lithium polymer batteries). Lithium ion or lithium polymer cells and batteries will not be accepted for carriage as cargo. This applies to Section IA, IB and Section II of Packing Instruction 965.

Add new **I2 (IBERIA Express)**

I2-01 UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo (see Packing Instruction 965).

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).

I2-02 Infectious substances, (UN 2814, UN 2900 and UN 3373) and biological products are not acceptable for carriage in mail.

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**).

I2-04 Class 7, Fissile Radioactive Material will not be accepted for carriage on passenger aircraft (**see 10.5.13 and 10.10.2)**.

Amend **IB (IBERIA, Líneas Aéreas de España)**

IB-01 ~~UN 3090 Lithium batteries. Primary (non-rechargeable) lithium (metal)~~ 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 ~~968~~965).

This prohibition does not apply to:

- UN 3091~~, UN 3480,~~ 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).

Amend **JQ (Jetstar)**

JQ-03 ~~Operator approval is required for the carriage of all new and used internal combustions engines (see 2.3.5.15)~~. New or used internal combustion engines will not be accepted for carriage in passenger baggage.

Add new

JQ-05 Shipments of UN 3480 – Lithium ion batteries, including lithium polymer batteries are prohibited from carriage as cargo on Jetstar aircraft. This applies to Section IA, IB and II of Packing Instruction 965. Shipments exempt from this prohibition are:

- UN 3480 Lithium ion batteries (including lithium polymer batteries), shipped as A.O.G spares.
    - The words "**A.O.G Spares**" must be entered in the "Additional Handling Information" 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'.
- 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" 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'.

The above exempt shipments must:

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

Amend **JU (~~JAT Airways~~ Air Serbia)** as follows:

JU (~~JAT Airways~~Air Serbia)

JU-08 Carbon dioxide, solid (Dry Ice) – UN 1845 ~~not more than 100 kg net quantity per hold.~~ when carried as cargo must not exceed 100 kg net quantity per compartment on B737 and 243 kg on A 320. When A319 operates limits may be provided by cargo_booking@airserbia.com

JU-11 Small gaseous oxygen or air cylinders required for medical use will only be accepted empty as checked baggage, with the approval of ~~JAT Airways~~ Air Serbia. Should a passenger require supplementary oxygen, this will be provided by ~~JAT Airways~~ Air Serbia at a cost with prior arrangements.

Add New

JU-13 Lithium metal batteries are forbidden as cargo on JU (Air Serbia) aircraft. This includes Section I/IA, IB and II of packing instruction 968-970.

Amend **KA (Hong Kong Dragon Airlines (Dragonair))**

KA-01 ~~Not used~~ UN 3480 Lithium ion batteries. Lithium ion cells and batteries are prohibited from carriage as cargo on Dragonair aircraft. This applies to Section IA, 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 PI 966 and PI 967; 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 2.3A).

KA-07 UN 3090 Lithium metal batteries. Lithium metal cells and batteries are prohibited from carriage as cargo on Dragonair aircraft. This applies to Section IA, 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 PI 969 and PI 970 ~~and lithium ion cells and batteries (UN 3480 and UN 3481) in accordance with PI 965 to PI 967~~; 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).

Amend **KL (Royal Dutch Airlines/KLM Cityhopper B.V.)**

Add new

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 PI 965, Section II as permitted by paragraph 9.1.4.1(g) shall be offered for carriage as a lower deck ULD.

Amend **LD (Air Hong Kong)**

LD-01 ~~Not used~~ UN 3480 Lithium ion batteries. Lithium ion cells and batteries are prohibited from carriage as cargo on Air Hong Kong aircraft. This applies to Section IA, 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 PI 966 and PI 967; 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 2.3A).

LD-07 UN 3090 Lithium metal batteries. Lithium metal cells and batteries are prohibited from carriage as cargo on Air Hong Kong aircraft. This applies to Section IA, 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 PI 969 and PI 970 ~~and lithium ion cells and batteries (UN 3480 and UN 3481) in accordance with PI 965 to PI 967~~; 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).

Amend **MK (Air Mauritius)**

Add new

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 to **Section II of Packing Instructions 965, 966, 967, 969 and 970**.

This prohibition does not apply to:

1. lithium batteries covered by the Provisions of Dangerous Goods Carried by Passengers & Crew (**Table 2.3.A**);
2. lithium metal or ion cells or batteries contained in medical equipment being transported for humanitarian reasons with prior authorization from Air Mauritius Ground Services;
3. lithium metal or ion cells or batteries that are presented as Air Mauritius Company Material (**COMAT**).

Additional document/s to accompany shipment/s.

(a) for Section II of PI 965, 966, 967, 969 and 970.form Ref MK ELI/ELM /001 obtained from Air Mauritius Cargo Commercial.

Amend **MP (Martinair Holland)**

Add new

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 PI 965, Section II as permitted by paragraph 9.1.4.1 (g) shall be offered for carriage as a lower deck ULD.

Amend **QF (Qantas Airways)**

QF-05 Shipments of UN3090 - Lithium metal cells and batteries, including lithium alloy batteries, are prohibited from carriage on Qantas ~~cargo~~ aircraft. This applies to Section 1A, 1B and Section II of Packing Instruction 968.

~~This prohibition does not apply to~~Shipments exempt from this prohibition are:

- UN 3091, lithium metal cells and batteries when packed with or contained in equipment in accordance with Packing Instructions 969 and 970:
- ~~UN 3480, lithium ion cells and batteries when packed in accordance with Packing Instruction 965:~~
- UN 3481, lithium ion cells and batteries when packed with or contained in equipment in accordance with Packing Instruction 966 and 967;
- Lithium batteries when in accordance with the Provisions of Dangerous Goods Carried by Passengers or Crew.

Add new

QF-06 Shipments of UN 3480 – Lithium ion cells and batteries, including lithium polymer batteries are prohibited from carriage as cargo on Qantas aircraft. This applies to Section IA, IB and II of Packing Instruction 965.

Shipments exempt from this prohibition are:

- UN3480 Lithium ion batteries (including lithium polymer batteries), shipped as A.O.G spares.
  - The words "**A.O.G Spares**" must be entered in the "Additional Handling Information" 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'.
- UN3480 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" 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'.

The above exempt shipments must:

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

Amend **QK (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, **Engines, internal combustion, flammable liquid powered**, , or as Class 9, UN3166, **Vehicle, flammable liquid powered**, as appropriate.~~UN 3166, Class 9. Including but not limited to chainsaws, lawnmowers, generators, outboard motors, etc. (see Packing Instruction 950).~~

Amend **QR (Qatar Airways)**

QR-01 ~~UN 1845 Carbon dioxide, solid (Dry Ice) is restricted as follows:~~

~~– Maximum of 200 kg per aircraft hold (Aft and bulk holds are considered as one hold) on all aircraft types except on B777F.~~

~~– B777F 400 kg in lower deck (Total in FWD + AFT + Bulk). Total Dry Ice quantity in lower deck and main deck must not exceed 1000 kg.~~ Not used.

QR-06 ~~Vehicles shipped in accordance with PI 950 must have the fuel tank drained of fuel as far as practicable, and if any fuel remains in the tank it must not exceed 1/8th of the total tank fuel capacity. Any additional fuel tank must remain empty.~~Not used.

Add new

QR-07 The following dangerous goods will not be accepted for carriage as cargo:

- UN 3090 – Lithium metal cells and batteries, including lithium alloy cells and batteries, prepared in accordance with Section 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 Sections IB and II of Packing Instruction 965 will be accepted on both passenger and cargo aircraft.

Amend **RV (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, **Engines, internal combustion, flammable liquid powered**, , or as Class 9, UN3166, **Vehicle, flammable liquid powered**, as appropriate.~~UN 3166, Class 9. Including but not limited to chainsaws, lawnmowers, generators, outboard motors, etc. (see Packing Instruction 950).~~

Amend **SQ (Singapore Airlines / Singapore Airlines Cargo)**

SQ-07 UN 3090 Lithium metal batteries. Lithium metal cells and batteries are prohibited from carriage as cargo on Singapore Airlines aircraft. This applies to Section IA, IB and Section II of Packing Instruction 968. In addition lithium metal cells and batteries (UN 3091) prepared in accordance with Section I of Packing Instruction 969 and Packing Instruction 970 are prohibited for carriage as cargo on Singapore Airlines passenger aircraft.

This prohibition does not apply to:

- lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Section II of PI 969 and PI 970 on passenger aircraft;
- lithium ion cells and batteries (~~UN 3480 and~~ UN 3481) in accordance with ~~PI 965 to~~ PI 966 and PI 967; 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).

Add new

SQ-12 UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo on passenger carrying aircraft (see Packing Instruction 965). 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).

Amend **TZ (Scoot Airlines)**

TZ-06 Lithium metal cells and batteries (UN 3091) prepared in accordance with Section I of Packing Instruction 969 and Packing Instruction 970 are prohibited for carriage as cargo.

This prohibition does not apply to:

- lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Section II of PI 969 and PI 970;
- lithium ion cells and batteries (~~UN 3480 and~~ UN 3481) in accordance with ~~PI 965 to~~ PI 966 and PI 967; 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).

Add new

TZ-07 UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo (see Packing Instruction 965). 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).

Amend **UA (United Airlines)**

Add new

UA-04 UN 3480 Lithium Ion Batteries, Packing Instruction 965 Section IA, IB and II will not be accepted for carriage as cargo.

- Exception will be made for United Airlines Company materials.

Delete all US Airways variations as follows:

~~**US (US Airways)**~~

~~**US-01** Substances with a primary or subsidiary risk of Division 6.1 will not be accepted for carriage.~~

~~**US-02** Hazardous waste in any form, as defined by any regulation, will not be accepted for carriage (see Packing Instruction 622 and 8.1.3.3).~~

~~**US-03** Mercurial barometers will not be accepted for carriage as carry-on or checked baggage (see 2.3.3.1).~~

~~**US-04** Salvage packagings will not be accepted for carriage (see 5.0.1.6, 6.0.6, 6.7, 7.1.4, 7.2.3.10).~~

~~**US-05** 2.2 non-flammable gases with a subsidiary risk of 5.1 will not be accepted for carriage. (Exception: COMAT parts and supplies only when offered in DOT31FP compliant containers).~~

~~**US-06** Division 6.2 Category A, infectious substance affecting animals (UN 2900) and humans (UN 2814) will not be accepted for carriage (see Packing Instruction 620).~~

Amend **VA (Virgin Australia)**

Add new

VA–03 Lithium ion batteries (UN 3480) are prohibited for carriage as cargo. This prohibition does not apply to:

- UN 3481 Lithium ion contained in or packed with equipment;
- UN 3091 Lithium metal batteries contained in or packed with equipment;
- 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).

Amend **WN (Southwest Airlines)**

WN-01 Southwest Airlines will not accept commercial shipments of dangerous goods as defined by these Regulations including Limited Quantity (see 2.7) and Excepted Quantity (see 2.6) shipments, except for the following:

- shipments under the De Minimis quantity provisions are allowed (see 2.6.10);
- ~~UN 3480,~~ UN 3481, UN 3091 Lithium Battery shipments will only be accepted when packaged under Section II of the applicable packing instruction (see PI ~~965~~ 966 - PI 967, PI 969 and PI 970);
- UN 3373 shipments are allowed. If package is being cooled by dry ice, the quantity of dry ice cannot exceed 2.5 kg.

Amend **XW (NokScoot Airlines)**

XW-06 Lithium metal cells and batteries (UN 3091) prepared in accordance with Section I of Packing Instruction 969 and Packing Instruction 970 are prohibited for carriage as cargo.

This prohibition does not apply to:

- lithium metal cells and batteries packed with or contained in equipment (UN 3091) in accordance with Section II of PI 969 and PI 970;
- lithium ion cells and batteries (~~UN 3480 and~~ UN 3481) in accordance with ~~PI 965 to~~ PI 966 and PI 967; 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).

Add new

XW-07 UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo (see Packing Instruction 965). 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).

Section 2

Page 27, amend 2.3.5.9 as follows:

2.3.5.9 Portable Electronic Devices (Including Medical Devices) containing Batteries

Portable electronic devices (including medical devices) (such as watches, calculating machines, cameras, cellular phones, lap-top computers, camcorders) containing batteries when carried by passengers or crew for personal use, which should be carried in carry-on baggage. Spare batteries must be individually protected to prevent short circuits by placement in the 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 carried in carry-on baggage only. In addition, lithium batteries are subject to the following conditions:

(a) each installed or spare battery must not exceed:

1. for lithium metal or lithium alloy batteries, a lithium content of not more than 2 g; or
2. for lithium ion batteries, a watt-hour rating of not more than 100 Wh.

(b) batteries and cells must be of a type that meets the requirements of the UN Manual of Tests and Criteria, Part III, subsection 38.3;

(c) articles containing lithium metal or lithium ion cells or batteries, the primary purpose of which is to provide power to another device, are permitted in carry-on baggage only. These articles must be individually protected to prevent short circuits by placement in the 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.

(d) electronic cigarettes containing lithium batteries are permitted in carry-on baggage only (see 2.3.5.17).

(e) if devices are carried in checked baggage the passenger/crew member must take measures to prevent unintentional activation.

Page 28, add new 2.3.5.17 as follows:

2.3.5.17 Electronic Cigarettes Containing Batteries

Electronic cigarettes including e-cigars and other personal vaporizers containing batteries when carried by passengers or crew for personal use must be in carry-on baggage only. Recharging of these devices and/or batteries on board the aircraft is not permitted and the passenger/crew member must take measures to prevent accidental activation. Spare batteries must be individually protected to prevent short circuits by placement in the 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 carried in carry-on baggage only. In addition, lithium batteries are subject to the following conditions:

(a) each installed or spare battery must not exceed:

1. for lithium metal or lithium alloy batteries, a lithium content of not more than 2 g; or
2. for lithium ion batteries, a watt-hour rating of not more than 100 Wh.

(b) batteries and cells must be of a type that meets the requirements of the UN Manual of Tests and Criteria, Part III, subsection 38.3.

Page 25 amend Table 2.3.A as follows:

Permitted in or as carry-on baggage					
	Permitted in or as checked baggage				
		Permitted on one's person			
			The approval of the operator(s) is required		
				The pilot-in-command must be informed of the location	
…					
YES	NO	YES	NO	NO	**Electronic cigarettes** (including e-cigars, e-pipes, other personal vaporizers) containing batteries, must be individually protected to prevent accidental activation.
YES	YES	YES	NO	NO	**Energy efficient lamps** when in retail packaging intended for personal or home use.

Section 4.2

Page 259 UN 1793 change Packing Instruction 855 to 856 in Column K as shown:

UN/ ID no.	Proper Shipping Name/Description	Class or Div.	Hazard Label(s)	PG	EQ see 2.6	Passenger and Cargo Aircraft			Cargo Aircraft Only		S.P. see	ERG Code
						Ltd Qty						

A	B	(Sub Risk) C	D	E	F	Pkg Inst G	Max Net Qty/Pkg H	Pkg Inst I	Max Net Qty/Pkg J	Pkg Inst K	Max Net Qty/Pkg L	4.4 M	N
1793	**Isopropyl acid phosphate**	8	Corrosive	III	E1	Y841	1 L	852	5 L	~~855~~ 856	60 L		*8L*