



## IATA Dangerous Goods Regulations

57<sup>th</sup> Edition (English)  
Effective 1 January 2016

### ADDENDUM

Posted 16 January 2016

Users of the IATA Dangerous Goods Regulations are asked to note the following amendments and corrections to the 57<sup>th</sup> Edition, effective from 1 January 2016.

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)**

In 2.8.1.3.List add:

After France:	Ghana	GHG
After India	Indonesia	IDG

#### **Add new GHG (Ghana)**

**GHG-01** The Ghana Civil Aviation Authority Legislation requires that the transportation of all classes of dangerous goods is done in accordance with the ICAO Technical Instructions on the Safe Transport of Dangerous Goods by Air, IATA Dangerous Goods Regulations and Ghana Civil Aviation (Safety) Regulations [L.I. 2000] Part 18.

**GHG-02** The Ghana Civil Aviation Authority Legislation expressly forbids the transportation of the following items by aircraft, except with the prior permission from Ghana Civil Aviation Authority and in accordance with conditions mentioned in this permission:

- Weapons and ammunition
- Explosives, unless required on board the aircraft for its operation
- Poisonous gases
- Infectious substances
- Radioactive material, radioisotopes and similar substance

**GHG-03** The transportation of arms, ammunition and all classes of explosives from/to/through Ghana requires prior permission to be obtained from the National Security (Ministry of Interior) and Ghana Civil Aviation Authority.

**GHG-04** The operator must be responsible to coordinate with the shipper and consignee to return any remaining unclaimed, damaged and/or leaking dangerous goods to the State of origin whenever instructed to do so by GCAA.

All applications should be directed to:

The Director-General  
Ghana Civil Aviation Authority  
Private Mail Bag  
Kotoka International Airport  
Accra, GHANA

Telephone: +233 (0) 302-776171  
Fax: +233 (0) 302-773293  
Sita: ACCIYX;AFTN:DGAAFYX  
email: [info@gcaa.com.gh](mailto:info@gcaa.com.gh)  
Website: [www.gcaa.com.gh](http://www.gcaa.com.gh)

### Add new **IDG (Indonesia)**

**IDG-01** Air operators wishing to carry dangerous goods into, transiting or out of Indonesia must obtain a dangerous goods permit from Directorate General of Civil Aviation c.q Directorate of Aviation Security. All applications are to be made on prescribed forms and addressed to the Indonesian Authority for Dangerous Goods Transported by Air.

**IDG-02** Air operators wishing to carry dangerous goods Class 1 (explosive), except Division 1.4, Division 6.2 (infectious substances) and Class 7 (radioactive) overflying Indonesia must notify the National Authority for Dangerous Goods Transported by Air in Indonesia.

### **New or Amended Operator Variations (Section 2.8.4)**

In 2.8.3.4 List add:

After Atlasjet Airlines	Atlasjet Ukraine	UH
After Garuda Indonesia:	GOL Airlines	G3
After Jetstar Asia:	Jetstar Japan	GK
After Jetstar Japan:	Jetstar Pacific	BL

### Amend **3K (Jetstar Asia)**

**3K-03** ~~New or used internal combustion engines will not be accepted for carriage in passenger baggage. Operator approval is required for carriage all new and used internal combustion engines (see 2.3.5.15).~~

**3K-05** ~~Dangerous Goods in consolidation will not be accepted for carriage except for~~

~~Dangerous goods consigned as cargo are not accepted for carriage on any Jetstar Asia aircraft.~~

~~The only exceptions are:~~

- ~~aircraft stores and equipment when prepared for transport in accordance with the current IATA Dangerous Goods Regulations; and~~
- ~~UN 1845 Carbon dioxide solid/dry ice, up to maximum of 145 kg per flight, when used as refrigerant for non-dangerous goods consignment.~~

### Amend **4C (LAN Colombia)**

**4C-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

**Note:** The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Add new

**4C-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;

- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

#### Amend **4M (LAN Argentina)**

**4M-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

**Note:** The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Add new

**4M-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

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

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

- Depending on required routing, shipments of 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. **Please refer to UPS.com for details.**
- 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);
- **For UPS Small Package service, shipments of UN 3171, Battery-powered vehicle, will only be accepted under the following conditions:**
  - **Passenger aircraft quantities only; not accepted as CAO;**
  - **Shipment is limited to a maximum gross weight of 30 kg;**
  - **Vehicle containing lithium battery or batteries therein that would separately be classified as UN 3480 or UN 3090. The battery contained in the vehicle is limited to 5 kg maximum net weight;**
  - **For shipments of UN3171 powered by lithium batteries, UPS requires the additional marking, "Contains Lithium Batteries." The marking must meet the requirements as stated in 7.1.4.4.1 and be near the proper shipping name mark;**
  - **Vehicle containing a wet, non-spillable battery or batteries therein that would separately be classified as UN 2800. The battery contained in the vehicle is limited to 25 kg maximum net weight.**

**Shipments of UN 3171, Battery-powered vehicle, containing defective or damaged batteries are not accepted by UPS.**

- 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 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 services or UPS Air Cargo services);
- 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.

#### Amend **AA (American Airlines)**

**AA-03** Mercurial barometers will not be accepted for carriage as carry-on or checked baggage, **except for persons identified in Section 2.3.3.1 of the IATA DGR.**

**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. When tendering Section II Lithium batteries in PI 966, PI 967, PI 969 and PI 970; the shipper must indicate the number of batteries and the number of packages. When tendering Section II lithium batteries with multiple packing instructions, shippers must indicate the number of batteries and packages per packing instruction. When tendering Section II Lithium batteries in OVERPACK or SLAC, shipper must indicate the number of batteries and packages in each OVERPACK or SLAC. This information must be shown on the air waybill or a separate document.**

#### Amend **AC (Air Canada)**

**AC-06** The number of packages of Section II Lithium Batteries in Packing Instructions **965-966-967, 969-970** and 970 must be indicated on the Air Waybill.

Add new

**AC-07** Effective March 1, 2016, Air Canada will not accept UN 3480, lithium ion or lithium polymer cells and batteries as cargo prepared in accordance with Section II of Packing Instruction 965. All consignments of UN 3480, lithium ion or lithium polymer cells and batteries must be offered for transport in accordance with Section IA or IB of Packing Instruction 965.

**AC-08** UN 3171, **Battery-powered vehicle**, that are powered by lithium ion batteries, the following additional requirements must be met:

- an indication that the vehicle is powered by lithium ion batteries, and **the net weight of lithium ion batteries in each vehicle** must be added to the "Additional Handling Information" section on the Shipper's Declaration for Dangerous Goods;
- vehicles must be equipped with an effective means of preventing accidental activation.

Lithium ion batteries which have been removed from the vehicle and are packed separate from the vehicle in the same outer packaging must be offered for transport as UN 3481, **Lithium ion batteries packed with equipment** and Packing Instruction 966 applies.

Amend **AS (Alaska Airlines)**

Add new.

**AS-13** UN 3480 lithium ion cells and batteries (including lithium polymer batteries) are prohibited from carriage as cargo on Alaska Airlines passenger-carrying aircraft. This applies to Section IA, IB and II of Packing Instruction 965. Shipments prepared in compliance with PI 965 are limited to Alaska's cargo-only aircraft service.

***Exception:** UN 3480 Lithium ion cells and batteries (including lithium polymer batteries) prepared in compliance with PI 965 as AAG COMAT when shipped by or to Alaska Airlines or Horizon Air Stores Departments are permitted on Alaska Airlines passenger carrying aircraft.*

Amend **AY (Finnair)**

Add new.

**AY-05** UN 3480 Lithium ion batteries. Secondary (rechargeable) lithium ion batteries and cells are prohibited from carriage as cargo on Finnair. This applies to Section IA, IB and II of Packing Instruction 965.

Add new **BL (Jetstar Pacific)**

**BL-01** Dangerous goods consigned as cargo are not accepted for carriage on any Jetstar Pacific aircraft.

Amend **EK (Emirates)**

**EK-02** 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 includes lithium metal batteries shipped under an approval in accordance with Special Provision A88 and 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 includes lithium **metal-ion** batteries shipped under an approval in accordance with Special Provision A88 and A99.

**Note:**

The prohibitions for lithium batteries do not apply to 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).

- UN 2809 – Mercury.

Amend **ES (DHL Aviation EEMEA)**

**ES-01** Dangerous Goods shipments transported by DHL Aviation EEMEA (DHX) will only be accepted by advance arrangements and approval by the Regional Restricted **Commodity Commodities** Group—DHL Express **MENA Europe Headquarters** before presenting for transport:

Regional Restricted Commodities Group—DHL Express **MENA Europe Headquarters**

Tel: +49 (0) 341 4499 4949

Fax: +49 (0) 341 4499 88 4942

email: [rcgmena@dhl.com](mailto:rcgmena@dhl.com) [rcgalert@dhl.com](mailto:rcgalert@dhl.com)

Amend **FJ (Fiji Airways)**

Add new

**FJ-03** UN 3480, lithium ion batteries are not permitted as cargo. This applies to Sections IA, IB and II of PI 965.

### Add new **G3 (GOL Airlines)**

**G3-01** These classes will not be accepted for carriage, unless prior approval and arrangement with the airline:

- Class 1 – Explosives
- Class 2 – Gases
- Class 3 – Flammable Liquids
- Class 4 – Flammable Solids; Substances Liable to Spontaneous Combustion; Substances Which In Contact with Water, Emit Flammable Gases
- Class 7 – Radioactive Material

Requests for authorization must be made in advance via email to the following address:

email: [gr-controlededequalidadecgo@voegol.com.br](mailto:gr-controlededequalidadecgo@voegol.com.br)

**Note:** The most current information about GOL Airlines and restrictions may be found at the following website: <http://voegol.com.br>

**G3-02** Infectious substances will be accepted subject to prior arrangements in accordance with the following:

- the shipper must provide proof that the shipment is legally accepted for transport and all State requirements have been met;
- the shipper must send to the airline a certificate signed by a doctor, scientist or other similar professional that the shipment meets the criteria for Biological Substances Category B.

Infected Animals are not accepted for transport.

**G3-03** Dangerous goods will not be accepted for transport by airmail.

**G3-04** 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, preferably in the "Handling Information" box (see 8.1.6.11 and 10.8.3.11).

This is not required for the following:

- Limited quantities as described in 2.7;
- Dry Ice;
- Consumer commodities.

**G3-05** Dangerous Goods must not be consolidated with non-dangerous goods.

**G3-06** Fissile material shall not be accepted for carriage.

**G3-07** UN 3480 (Lithium ion batteries), UN 3090 (Lithium metal batteries) and UN 3091 (Lithium metal batteries contained in or packed with equipment) are prohibited from carriage as cargo on airline passenger carrying aircraft. This prohibition does not apply to: Lithium ion cells and batteries packed with or contained in equipment (UN3481) in accordance with PI 966 or PI 967. Electronic cigarettes containing lithium batteries are prohibited for transport as Cargo on GOL Aircraft.

### Amend **GA (Garuda Indonesia)**

**GA-04** Where any doubt arises regarding the classification or identification of a substance, the shipper must provide, upon request by Garuda Indonesia or its representative, the Material Safety Data Sheet (MSDS) for the substance. The MSDS must include the UN number, packing group if necessary, proper shipping name, and all other relevant transport information.

Material Safety Data Sheet (MSDS) must be provided for dangerous goods except for dangerous goods in Class 7, vehicles, dangerous goods in apparatus or machinery and engines, ID 8000, magnetized material, carbon dioxide, solid (dry ice) and Division 6.2. The MSDS must be written in English. The MSDS must include the UN number, proper shipping name and other relevant transport information.

Add new

**GA-11** Dangerous goods forbidden unless exempted will not be accepted for carriage.

**GA-12** The carriage of ammunition in checked baggage is not permitted on board Garuda Indonesia International flight.

**GA-13** Oxygen or Air, gaseous, cylinders required for medical use permitted on one's person will be provided by Garuda Indonesia. Passengers are not allowed to use their own oxygen bottle. Passenger's oxygen bottle may be carried in cabin and as checked baggage after approval has been obtained.

**GA-14** Salvage packaging will not be accepted for carriage.

Add new **GK (Jetstar Japan)**

**GK-01** Not Used

**GK-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 (2.3.5.6).

**GK-03** New or used internal combustions engines will not be accepted for carriage in passenger baggage.

**GK-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).

**GK-05** Shipments of UN 3090, lithium metal cells and batteries are prohibited from carriage on Jetstar aircraft. This applies to Section IA, IB and Section II of Packing Instruction 968.

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 3481, lithium ion cells and batteries when packed with or contained in equipment in accordance with Packing Instructions 966 and 967;
- Lithium batteries when carried in accordance with the Provisions for Dangerous Goods Carried by Passengers or Crew.

**GK 06** 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 exempted from this prohibition are:

- UN 3480 Lithium batteries (including polymer batteries), when shipped as AOG spares.
  - The words "AOG 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 used 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. Shipper's Declaration if applicable);
- not exceed 100 kg total per aircraft; and
- be loaded into a Class C cargo compartment (lower deck only).

#### Amend **JJ (TAM Airlines)**

**JJ-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

**Note:** The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Add new

**JJ-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

#### Amend **JQ (Jetstar)**

Add new

**JQ-05** Shipments of UN 3090, lithium metal cells and batteries are prohibited from carriage on Jetstar aircraft. This applies to Section IA, IB and Section II of Packing Instruction 968.

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 3481, lithium ion cells and batteries when packed with or contained in equipment in accordance with Packing Instructions 966 and 967;
- Lithium batteries when carried in accordance with the Provisions for Dangerous Goods Carried by Passengers or Crew.

Amend existing JQ-05 to become JQ-06 as follows:

**JQ-0506** Shipments of UN 3480– Lithium ion **cells and** 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 exempted from this prohibition are:

- UN 3480 Lithium batteries (including polymer batteries), when shipped as AOG spares.



- The words “AOG Spares” must be entered in the “Additional Handling Information” on the Shipper’s Declaration or on the airway bill 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 used 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 airway bill 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. Shipper’s Declaration if applicable);
- not exceed 100 kg total per aircraft; and
- be loaded into a Class C cargo compartment (lower deck only).

#### Amend **KC (Air Astana)**

**KC-01** 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 case of an accident or incident concerning (each of) the dangerous goods being transported for which a Shipper’s Declaration is required (see 8.0.1). This telephone number, including country and area code, preceded by the words “Emergency Contact” or “24-hour number” must be inserted on the Shipper’s Declaration DGD preferably in the “Additional Handling Information” box, e.g. “Emergency Contact +47 67 50 00 00” (**see 8.1.6.11 and 10.8.3.11**).

~~A 24-hour emergency telephone number is not required for shipments that do not require a Shipper’s Declaration for Dangerous Goods.~~

**KC-02** The following Classes/classes/divisions are **NOT** ACCEPTED for carriage without prior permission from KC Head Office:

- Class 1 Explosives, except ONLY—Ammunition of Division 1.4S in passenger baggage, (permitted according to DGR 2.3);
- ~~Division 2.2 Non-flammable, non-toxic gases~~
- ~~Class 3 Flammable liquids;~~
- Class 8 Corrosives Division 6.2, Infectious substances;
- Class 9 Miscellaneous Class 7 Radioactive materials.

~~For carriage of all other Classes and Divisions, Local Cargo Sales Office and/or requires pre-approval of KC Cargo Sales Head office (cargo@airastana.com) should be contacted in advance during office working hours.~~

**KC-04** ~~The carriage of dangerous goods onboard of Fokker 50 aircraft is PROHIBITED~~ Not used.

**KC-05** ~~The operative telephone or facsimile number of the consignee must be shown on the Air Waybill~~ Not used.

**KC-07** All hazard labels must include text indicating the nature of the risk (see Figure 7.3.A through Figure 7.3.W, Figure 7.4.A and 10.7.7) Not used.

Add new

**KC-13** Lithium ion or lithium polymer cells and batteries UN 3480, packed in accordance with Section IA, IB and II of Packing Instruction 965 are forbidden for carriage as cargo on Air Astana aircraft.

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

**KL-06** When built on or in a ULD. 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 **KQ (Kenya Airways)**

**KQ-09** Primary (non-rechargeable). Lithium metal batteries and cells, UN 3090 and UN 3091 will ~~only~~ be transported on Cargo Aircraft Only (CAO).

This prohibition does not apply to:

(a) Lithium batteries covered by the provisions for dangerous goods carried by passengers ~~and or~~ crew (see Table 2.3.A).

~~(b) Lithium metal batteries and cells contained in medical equipment being transported for humanitarian reasons.~~

Amend **L7 (LANCO-Línea Aérea Carguera de Colombia S.A.)**

**L7-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

**Note:** The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Add new

**L7-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

Amend **LA (LAN Airlines)**

**LA-16** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

**Note:** The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Add new

**LA-17** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

Amend **LH (Deutsche Lufthansa/Lufthansa Cargo AG)**

**LH-02** Not Used.

~~Dangerous goods in consolidations will not be accepted for carriage, except for the following shipments:~~

- ~~• consolidations containing UN 1845, Carbon dioxide, solid (Dry ice) when used as a refrigerant;~~
- ~~• consolidations with only one house air waybill;~~
- ~~• consolidations with more than one house air waybill, in case of identical shipper.~~

~~(see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5)~~

**LH-08** The following restrictions apply to lithium ion and lithium metal batteries as follows:

1. UN 3480 Lithium ion batteries prepared in accordance with Section II of Packing Instruction (PI) 965 and UN 3090 Lithium metal batteries prepared in accordance with Section II of Packing Instruction (PI) 968 will not be accepted for carriage as cargo;
2. ~~All consignments containing the following UN 3480 Lithium ion batteries prepared in accordance with Section IA and IB of PI 965 are prohibited as cargo on passenger aircraft. All consignments of UN 3480 and must be shown as CAO Cargo Aircraft Only with packages bearing the Cargo Aircraft Only label:~~
  - ~~• UN 3090 Lithium metal batteries prepared in accordance with Section IA and IB of PI 968;~~
  - ~~• UN 3091 Lithium metal batteries packed with equipment prepared in accordance with Section I of PI 969;~~
  - ~~• UN 3091 Lithium metal batteries contained in equipment prepared in accordance with Section I of PI 970;~~
  - ~~• UN 3480 Lithium ion batteries prepared in accordance with Section IA and IB of PI 965;~~
  - ~~• UN 3481 Lithium ion batteries packed with equipment prepared in accordance with Section I of PI 966;~~
  - ~~• UN 3481 Lithium ion batteries contained in equipment prepared in accordance with Section I of PI 967.~~
3. ~~All consignments containing the following UN 3090 Lithium metal batteries prepared in accordance with Section IA and IB of PI 968 are accepted as CAO as defined in these Regulations are permitted as cargo on passenger and cargo aircraft:~~

~~These restrictions not apply to:~~

- UN 3481 Lithium ion batteries packed with equipment in accordance with Section I+ II of PI 966;
- UN 3481 Lithium ion batteries contained in equipment in accordance with Section I+ II of PI 967;
- UN 3091 Lithium metal batteries packed with equipment in accordance with Section I+ II of PI 969;
- UN 3091 Lithium metal batteries contained in equipment in accordance with Section I+ II of PI 970.

#### Amend LP (LAN Peru)

**LP-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

**Note:** The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Add new

**LP-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

#### Amend LU (LAN Express)

**LU-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

**Note:** The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Add new

**LU-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

#### Amend LX (Swiss International)

**LX-06** The following items ~~must are~~ not ~~be~~ accepted for carriage ~~on LX as cargo~~:

- UN 3090 lithium metal batteries—PI 968, Section IA, **IB and II**
- ~~UN 3090 Lithium Metal Batteries—PI 968, Section IB~~

- UN 3091 lithium metal batteries packed with equipment–PI 969, Section I
- UN 3091 Lithium metal batteries contained in equipment–PI 970, Section I
- UN 3480 lithium ion batteries–PI 965, Section IA, **IB and II**
- **UN 3481 lithium ion batteries packed with equipment – PI 966, Section I**
- **UN 3481 lithium ion batteries contained in equipment – PI 967, Section I**

**For Lithium Ion Batteries of UN 3480 PI 965, Section IB an approval by LX Headquarters is required. For more information, please contact your local LX Cargo office.**

#### **Amend M3 (ABSA Cargo Airline)**

**M3-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

**Note:** The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Add new

**M3-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

#### **Amend M7 (MASAIR–Aerotransportes Mas de carga SA. De CV.)**

**M7-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

**Note:** The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Add new

**M7-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;

- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

**Amend MN (Comair Pty)**

Add new

**MN-08** Dry ice, UN 1845 will be accepted for transportation, provided that packing instruction 954 is complied with. This is outside the Company Policy as specified in MN-01.

**MN-09** Environmentally hazardous substance, liquid, UN 3082 will be accepted for transportation, provided that packing instruction 964 or Y964 is complied with. This is outside the Company Policy as specified in MN-01.

**MN-10** Biological substance, Category B, UN 3373 will be accepted for transportation, provided that packing instruction 650 is complied with. This is outside the Company Policy as specified in MN-01.

**Amend MP (Martinair Holland)**

**MP-06** **When built on or in a ULD,** 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 OM (MIAT—Mongolian Airlines)**

**OM-15** Lithium metal and 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 PI 969 and PI 970).

**Note:**

**The above requirement does not apply to Company Material.**

**OM-19** Lithium ion batteries as follows will not be accepted for carriage as cargo:

- UN 3480 Lithium ion cells and batteries, including lithium polymer cells and batteries, prepared in accordance with **Section IA and IB of** Packing Instruction 965;
- UN 3481 Lithium ion and or lithium polymer cells and batteries packed with or contained in equipment, prepared in accordance with Section I of Packing Instructions 966 and 967.

**Note:**

*The above restriction does not apply to MIAT-Mongolian Airlines Company Material-COMAT.*

**Amend PZ (Transportes del Mercosul—TAM)**

**PZ-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

**Note:** **The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.**

Add new

**PZ-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:



- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

#### Amend **QK (Jazz Aviation LP)**

**QK-06** The number of packages of Section II Lithium Batteries in Packing Instructions **965, 966, 967, 969 and 970** must be indicated on the Air Waybill.

#### Add new

**QK-07** Effective March 1, 2016, Jazz Aviation will not accept UN3480, Lithium ion or lithium polymer cells and batteries as cargo prepared in accordance with Section II of Packing Instruction 965. All consignments of UN3480, Lithium ion or lithium polymer cells and batteries must be offered for transport in accordance with Section IA or IB of Packing Instruction 965.

**QK-08** UN3171, **Battery-powered vehicle**, that are powered by lithium ion batteries, the following additional requirements must be met:

- an indication that the vehicle is powered by lithium ion batteries, and **the net weight of lithium ion batteries in each vehicle** must be added to the “Additional Handling Information” section on the Shipper’s Declaration for Dangerous Goods;
- vehicles must be equipped with an effective means of preventing accidental activation.

Lithium ion batteries which have been removed from the vehicle and are packed separate from the vehicle in the same outer packaging, must be offered for transport as UN 3481, **Lithium ion batteries packed with equipment** and Packing Instruction 966 applies.

#### Amend **QR (Qatar Airways)**

**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 **and Section IB** 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.

#### Add New **RO (TAROM Airlines)**

**RO-04** Lithium ion or lithium polymer cells and batteries UN 3480 are prohibited for carriage as cargo on TAROM aircrafts.

This applies to Section IA, Section IB and Section II of PI 965.

This prohibition does not apply to:

- Lithium metal or lithium alloy cells and batteries packed with or contained in equipment (UN 3091) in accordance with PI 969 and PI 970.
- Lithium ion or lithium polymer cells and batteries packed with or contained in equipment (UN 3481) in accordance with PI 966 and PI 967.

#### Amend **RV (Air Canada Rouge)**

**RV-06** The number of packages of Section II Lithium Batteries in Packing Instructions **965, 966, 967, 969 and 970** must be indicated on the Air Waybill.



Add new

**RV-07** Effective March 1, 2016, Air Canada Rouge will not accept UN3480, Lithium ion or lithium polymer cells and batteries as cargo prepared in accordance with Section II of Packing Instruction 965. All consignments of UN3480, Lithium ion or lithium polymer cells and batteries must be offered for transport in accordance with Section IA or IB of Packing Instruction 965.

**RV-08** UN3171, **Battery-powered vehicle**, that are powered by lithium ion batteries, the following additional requirements must be met:

- An indication that the vehicle is powered by lithium ion batteries, and **the net weight of lithium ion batteries in each vehicle** must be added to the “Additional Handling Information” section on the Shipper’s Declaration for Dangerous Goods;
- vehicles must be equipped with an effective means of preventing accidental activation.

Lithium ion batteries which have been removed from the vehicle and are packed separate from the vehicle in the same outer packaging, must be offered for transport as UN 3481, **Lithium ion batteries packed with equipment** and Packing Instruction 966 applies.

Amend **SV (Saudi Arabian Airlines)**

Add new

**SV-14** The following dangerous goods will not be accepted for carriage as cargo on Saudia aircraft (passenger and cargo):

- 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 and 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.

**Note:**

*Exception: COMAT parts and Supplies offered by SV Stores.*

Amend **TG (Thai Airways International)**

**TG-09** UN 3480–Lithium ion cells and batteries packed in accordance with Section IA, **IB and II** of Packing Instruction 965 and UN 3481 prepared in accordance with Section I of Packing Instruction 966 and Packing Instruction 967 will not be accepted for carriage as cargo on TG aircraft.

Add new **UA (United Airlines)**

**UA-05** UN 3171, Battery-powered vehicle will not be accepted by United Airlines. In addition, devices containing lithium ion batteries will not be accepted as follows:

- the device with the installed lithium ion battery meets the definition of a vehicle as set out in Special Provision A21;
- the lithium ion battery is packed with a device that meets the definition of a vehicle as set out in Special Provision A21.

Amend **UC (LAN Cargo)**

**UC-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;

- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.

**Note:** The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Add new

**UC-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

Add new **UH (Atlasjet Ukraine)**

**UH-01** 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 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 “Handling Information” box of the DGD and also outside of the package (see 8.1.6.11 and 10.8.3.11).

A 24-hour emergency telephone number is not required for shipments that do not require a Shipper's Declaration for Dangerous Goods.

**UH-02** Dangerous goods in consolidations will not be accepted for carriage except for the following shipments:

- consolidated shipments/consolidations containing Carbon dioxide, solid (dry ice) when used as a refrigerant;
- one master air waybill with one house air waybill;
- one master air waybill with more than one house air waybill from the same shipper and different consignees.

**UH-03** Booking and confirmation are required for all dangerous goods shipments as defined in these regulations (see 1.3.2 and 9.1.2).

Atlasjet Ukraine Cargo:

Tel: +38 044 277 41 41 / +38 044 277 41 41 (ext. 8648)

Fax: +38 044 277 41 41

e-mail: [cargo-ua@atlasglb.com](mailto:cargo-ua@atlasglb.com)

**UH-04** Material Safety Data Sheet (MSDS) must be provided for dangerous goods except for dangerous goods in Class 7, vehicles, dangerous goods in apparatus or machinery and engines, ID 8000, Magnetized material, carbon dioxide, solid (dry ice) and Division 6.2. The MSDS must be written in English. The MSDS must include the UN number; proper shipping name and other relevant transport information (see 8.0.1 and 8.3).

**UH-05** Explosives will not be accepted for carriage, except substances and articles of Division 1.4S (see Packing Instructions 101–143).

**UH-06** Dangerous Goods in Excepted Quantities will not be accepted.

**UH-07** Class 8, Corrosive materials Packing Group I & II will not be accepted for carriage (see 800 series packing instruction).

**UH-08** Class 7, Radioactive materials will not be accepted for carriage.

**UH-09** The following items will not be accepted on Atlasjet Ukraine flights:

- UN 2803—Gallium;
- UN 2809—Mercury; and
- UN 3506 — Mercury contained in manufactured articles.

**UH-10** UN 3090 Lithium metal batteries. Lithium metal cells and batteries are prohibited from carriage as cargo on Atlasjet Ukraine 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 DGR 2.3.2 to 2.3.5 and Table 2.3.A).

**UH-11** All shipments of lithium batteries contained in equipment prepared in accordance with Section II of PI 967 or PI 970 must include the mandatory wording on the air waybill as shown in Section II (“Lithium ion batteries in compliance with Section II of PI 967” or “Lithium metal batteries in compliance with Section II of PI 970”). This applies even to shipments where no lithium battery handling label is required to be affixed to the package(s).

**UH-12** Dangerous goods as defined in these Regulations will not be accepted in Air Mail (see DGR 2.4).

#### **Amend VA (Virgin Australia)**

Add new

**VA-04** Gaseous oxygen or air cylinders required for medical use are only accepted for transport in or as carry-on baggage (see 2.3.4.1).

#### **Amend XG (SunExpress Deutschland GmbH)**

Add new

**XG-08** Lithium ion and lithium metal cells and batteries will not be accepted for carriage as cargo. This prohibition applies to all parts of Packing Instructions 965 to 970.

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 2.3.2 to 2.3.5 and Table 2.3.A).

#### **Amend XL (LAN Ecuador)**

**XL-08** Lithium Batteries and Cells, UN 3090, UN 3091 and UN 3480 are forbidden as cargo on passenger aircraft and will only be transported in Cargo Aircraft Only (CAO). This prohibition does not apply to:

- Lithium Batteries UN 3480 Section II;
- Lithium batteries covered by the Provisions for Dangerous Goods Carried by Passengers or Crew (see Table 2.3.A);
- Lithium Metal Batteries and Cells contained in medical equipment being transported for humanitarian reasons. They will only be accepted and may be transported on passenger aircraft whenever a document proving such condition is present. The documents may be issued by health institution or authority.



**Note:** The number of packages marked with the lithium battery handling label in compliance with the Section II of the packing instructions 965-966-967, 968-969-970, should be added in the nature of the product box of the air waybill.

Add new

**XL-11** Liquid Dangerous Goods in single packagings contained in plastic drums or plastic jerricans and presented on skids (pallets), must have the following protective barriers:

- overpack with a strong wooden crate or cage;
- overpack with a rigid fibreboard;
- if presented on a wooden skid, there must be a fibreboard layer protecting the cans from the skid.

Amend **XQ (SunExpress)**

Add new

**XQ-08** Lithium ion and lithium metal cells and batteries will not be accepted for carriage as cargo. This prohibition applies to all parts of Packing Instructions 965 to 970.

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 2.3.2 to 2.3.5 and Table 2.3.A).

**Section 2**

Pages 24-25, revise Table 2.3.A as below:

**TABLE 2.3.A Provisions for Dangerous Goods Carried by Passengers or Crew (Subsection 2.3)**

	The pilot-in-command must be informed of the location			
	Permitted in or as carry-on baggage			
	Permitted in or as checked baggage			
	The approval of the operator is required			
<b>Avalanche rescue backpack</b> , one (1) per person, containing a cartridge of compressed gas in Div. 2.2. May also be equipped with a pyrotechnic trigger mechanism containing <b>less no more</b> than 200 mg net of Div. 1.4S. The backpack must be packed in such a manner that it cannot be accidentally activated. The airbags within the backpacks must be fitted with pressure relief valves.	YES	YES	YES	NO
<b>Batteries, spare/loose, including lithium metal or lithium ion cells or batteries</b> , for portable electronic devices must be carried in carry-on baggage only. <b>Articles which have the primary purpose as a power source, e.g. power banks are considered as spare batteries.</b> These batteries must be individually protected to prevent short circuits.	NO	NO	YES	NO
<b>Heat producing articles</b> such as underwater torches (diving lamps) and soldering irons. (See 2.3.4.6 for details.)	<b>NO YES</b>	YES	YES	NO
<b>Lithium Batteries: Portable electronic devices containing lithium metal or lithium ion batteries, including medical devices</b> such as portable oxygen concentrators (POC) and consumer electronics such as cameras, mobile phones, laptops, <b>and tablets and power banks</b> , when carried by passengers or crew for personal use. (see 2.3.5.9). Batteries must not exceed 2 g for lithium metal batteries and 100 Wh for lithium ion batteries.	NO	YES	YES	NO
...				

Page 27, revise paragraph as shown:

**2.3.5.9 Portable Electronic Devices (Including Medical Devices) containing Batteries**

Portable electronic devices, which may include medical devices such as portable oxygen concentrators (POC) and consumer electronics such as cameras, mobile phones, laptops, **and tablets and power banks** 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, e.g. power banks, 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.

**Section 4**

Table 4.2: Add new entries as shown:

UN/ ID no.	Proper Shipping Name/Description	Class or Div.  (Sub Risk)	Hazard Label(s)	PG	EQ see 2.6	Passenger and Cargo Aircraft				Cargo Aircraft Only		S.P. see 4.4	ERG Code
						Ltd Qty		Pkg Inst	Max Net Qty/Pkg	Pkg Inst	Max Net Qty/Pkg		
						Pkg Inst	Max Net Qty/Pkg						
A	B	C	D	E	F	G	H	I	J	K	L	M	N
	1,3,2-Benzodioxaborole					Forbidden		Forbidden		Forbidden		A210	
	Catecholborane					Forbidden		Forbidden		Forbidden		A210	

Page 376 add new special provision

**A210** This substance is forbidden for transport by air. It may be transported on cargo aircraft only with the prior approval of the appropriate authority of the State of Origin and the State of the Operator under the written conditions established by those authorities.

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## **Section 5**

Page 492, amend Packing Instruction 492 as shown:

### **PACKING INSTRUCTION 492**

---

...

#### **Compatibility Requirements**

- substances must be compatible with their packagings as required by 5.0.2.6;
- metal packagings must be corrosion resistant or be protected against corrosion.

...

#### **Additional Packing Requirements**

- packagings must meet Packing Group II performance standards;
- cells must be packed in outer packagings with sufficient cushioning material to prevent contact between cells and between cells and the internal surfaces of the outer packaging and to ensure that no dangerous movement of the cells within the outer packaging occurs in transport;
- batteries must be protected against short circuit and must be isolated in such a manner as to prevent short circuits.

...

Pages 564 and 565, amend Packing Instruction 952 as shown:

### **PACKING INSTRUCTION 952**

---

This instruction applies to UN 3171 Battery-powered equipment and Battery-powered vehicle on passenger aircraft and Cargo Aircraft Only. This applies to vehicles and equipment that are powered by wet batteries or sodium batteries and to vehicles powered by lithium batteries and which are transported with these batteries installed. Examples of such vehicles and equipment are electrically powered cars, lawn mowers, wheelchairs and other mobility aids. Vehicles that also contain an internal combustion engine or fuel cell engine must be consigned under UN 3166 (see PI 950 or PI 951).

Where vehicles could possibly be handled in other than an upright position, the vehicle must be secured in a strong, rigid outer packaging of the type below. The vehicle must be secured by means capable of restraining the vehicle in the outer packaging to prevent any movement during transport which would change the orientation or cause the vehicle to be damaged.

...

Battery-powered vehicles, machines or equipment must meet the following requirements:

- (a) Batteries. All batteries must be installed and securely fastened in the battery holder of the vehicle, machinery or equipment and be protected in such a manner as to prevent damage and short circuits. In addition:
1. if spillable batteries are installed and it is possible for the vehicle, machine or equipment to be handled in such a way that batteries would not remain in their intended orientation, they must be removed and packed according to Packing Instruction 492 or 870, as applicable;
  2. if lithium batteries are installed in a vehicle, they must meet the provisions of 3.9.2.6, unless otherwise approved by the appropriate national authority of the State of origin. Lithium batteries identified by the manufacturer as being defective for safety reasons, or that have been damaged, that have the potential of producing a dangerous evolution of heat, fire or short circuit are forbidden for transport (e.g. those being returned to the manufacturer for safety reasons). The batteries must be securely fastened in the vehicle, machinery or equipment and must be protected in such a manner as to prevent damage and short circuits;

...



UN number	Quantity per package Passenger aircraft	Quantity per package Cargo Aircraft Only
UN 3171, <b>Battery-powered equipment, or Battery-powered vehicle</b>	No limit	No limit

**OUTER PACKAGINGS – Strong outer packagings - vehicles**

Type	Drums						Jerricans			Boxes							
Desc	Steel	Alum- inium	Ply- wood	Fibre	Plastic	Other metal	Steel	Alum- inium	Plastic	Steel	Alum- inium	Wood	Ply- wood	Recon- stituted wood	Fibre- board	Plastic	Other metal

Pages 580 to 582; amend Packing Instruction 965 as shown:

**PACKING INSTRUCTION 965**

...

**Section IA**

...

Each cell or battery must:

1. meet the provisions of 3.9.2.6; **and**
2. meet the General Requirements, above; **and**

**With effect 1 April 2016**

3. **lithium ion cells and batteries must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity. Cells and/or batteries at a SoC of greater than 30% may only be shipped with the approval of the State of Origin and the State of the Operator under the written conditions established by those authorities.**

**Note:**

**Guidance and methodology for determining the rated capacity can be found in Section 38.3.2.3 of the UN Manual of Tests and Criteria, 5th revised edition, Amend. 1.**

...

**Section IB**

Lithium ion cells and batteries may be offered for transport provided that each cell and battery meets the provisions of 3.9.2.6(a) and (e) and they meet all of the following:

1. for lithium ion cells, the Watt-hour rating is not more than 20 Wh; **and**
2. for lithium ion batteries, the Watt-hour rating is not more than 100 Wh. The Watt-hour rating must be marked on the outside of the battery case except for those batteries manufactured before 1 January 2009; **and**

**With effect 1 April 2016**

3. **lithium ion cells and batteries must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity. Cells and/or batteries at a SoC of greater than 30% may only be shipped with the approval of the State of Origin and the State of the Operator under the written conditions established by those authorities.**

**Note:**

**Guidance and methodology for determining the rated capacity can be found in Section 38.3.2.3 of the UN Manual of Tests and Criteria, 5th revised edition, Amend. 1.**



...

## Section II

Lithium ion cells and batteries meeting the requirements in this section are not subject to other additional requirements of these Regulations except for:

- (a) restrictions on dangerous goods in consolidations (1.3.3.2.3 and 1.3.3.2.6);
- (ab) dangerous goods in passenger and crew baggage (Subsection 2.3). Only those lithium metal batteries as specifically permitted may be carried in carry-on baggage;
- (bc) dangerous goods in air mail (Subsection 2.4);
- (d) use of unit load devices (5.0.1.3);
- (ee) reporting of dangerous goods accidents, incidents and other occurrences (9.6.1 and 9.6.2).

...

Cells and batteries must be packed in strong outer packagings that conform to 5.0.2.4, 5.0.2.6.1 and 5.0.2.12.1.

### **With effect 1 April 2016**

Lithium ion cells and batteries must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity.

#### **Note:**

Guidance and methodology for determining the rated capacity can be found in Section 38.3.2.3 of the UN Manual of Tests and Criteria, 5th revised edition, Amend. 1.

## Additional Requirements–Section II

...

Each package must be labelled with a lithium battery handling label (Figure 7.4.H).

A Shipper's Declaration for Dangerous Goods is not required.

### **With effect 1 April 2016**

A shipper is not permitted to offer for transport more than one (1) package prepared according to this section in any single consignment.

The words "Lithium ion batteries in compliance with Section II of PI 965" must be included on the air waybill, when an air waybill is used. The information should be shown in the "Nature and Quantity of Goods" box of the air waybill.

Packages and overpacks of lithium ion batteries prepared in accordance with the provisions of Section II must be offered to the operator separately from cargo which is not subject to these Instructions and must not be loaded into a unit load device before being offered to the operator.

Any person preparing or offering cells or batteries for transport must receive adequate instruction on these requirements commensurate with their responsibilities.

## Overpacks–Section II

### **With effect 1 April 2016**

~~Individual packages each~~ Not more than one (1) package complying with the requirements of Section II may be placed in an overpack. The overpack may also contain packages of dangerous goods or goods not subject to these Regulations provided that the packages do not contain substances which might react dangerously with each other. An overpack must be marked with the word "Overpack" and labelled with the lithium battery label (Figure 7.4.H), unless the label (s) on the package (s) inside the overpack are visible.

**Note:**

*For the purpose of Section II, an overpack is an enclosure used by a single shipper that contains no more than one package prepared in accordance with this section. For shipments prepared in accordance with Section IA and/or IB, this limit of one package of Section II batteries per overpack still applies.*

...

Pages 589 to 590; amend Packing Instruction 968 as shown:

**PACKING INSTRUCTION 968**

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...

**Section II**

...

**Additional Requirements–Section II**

...

A Shipper's Declaration for Dangerous Goods is not required.

**With effect 1 April 2016**

*A shipper is not permitted to offer for transport more than one (1) package prepared according to this section in any single consignment.*

The words "Lithium metal batteries in compliance with Section II of PI 968" and "Cargo Aircraft Only" or "CAO" must be included on the air waybill, when an air waybill is used. The information should be shown in the "Nature and Quantity of Goods" box of the air waybill.

...

**Overpacks–Section II**

**With effect 1 April 2016**

~~Individual packages each~~ *Not more than one (1) package* complying with the requirements of Section II may be placed in an overpack. The overpack may also contain packages of dangerous goods or goods not subject to these Regulations provided that the packages do not contain substances which might react dangerously with each other. An overpack must be marked with the word "Overpack" and labelled with the lithium battery label (Figure 7.4.H) and the Cargo Aircraft Only label (Figure 7.4.B), unless the label(s) on the package(s) inside the overpack are visible.

**Note:** *For the purpose of Section II, an overpack is an enclosure used by a single shipper that contains no more than one package prepared in accordance with this section. For shipments prepared in accordance with Section IA and/or IB, this limit of one package of Section II batteries per overpack still applies.*

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## PACKING INSTRUCTION 970

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...

### Section II

...

#### Additional Requirements–Section II

The equipment must be packed in strong **rigid** outer packagings constructed of suitable material of adequate strength and design in relation to the packaging's capacity and its intended use unless the cell or battery is afforded equivalent protection by the equipment in which it is contained.

...

#### Appendix D.1

Page 854 amend contact details for Switzerland as follows:

##### Switzerland (CH)

Federal Office of Civil Aviation (FOCA)  
~~Process~~ Safety Division – Flight Operations  
Operations of complex airplanes  
P.O. Box 41  
8048 Zurich Airport  
~~Standardisation and Enforcement~~  
~~3003 Berne~~  
SWITZERLAND  
  
Tel: +41 (31) 325 8039 (58) 465 8039  
Fax: +41 (31) 325 8032 (43) 816 4066  
Telex: 912 601  
Website: [www.aviation.admin.ch](http://www.aviation.admin.ch)  
email: [gefahrhut@bazl.admin.ch](mailto:gefahrhut@bazl.admin.ch) or [info@bazl.admin.ch](mailto:info@bazl.admin.ch)

#### Appendix D.2

Page 868 amend contact details for Switzerland as follows:

##### Switzerland (CH)

Approvals of special form. Calculation of unlisted A values. Approvals and notifications for all Type-B packages, fissile packages, shipments and special arrangements:

Swiss Federal Nuclear Safety Inspectorate  
Section for Transport and Waste Management  
Industriestrasse 19  
CH-5200 Brugg  
CH 5232 Villigen/HSK  
SWITZERLAND  
  
Tel: +41 (56) 310 3918 460 8618 / +41 (56) 460 8400  
Fax: +41 (56) 310 3855 460 8499  
email: [Stefan.theis@hsk.ch](mailto:Stefan.theis@hsk.ch) [Stefan.theis@ensi.ch](mailto:Stefan.theis@ensi.ch)  
email: [info@ensi.ch](mailto:info@ensi.ch)

Import, export, transport and transit licences for nuclear materials and nuclear wastes:

Federal Office of Energy  
Nuclear Energy Section

CH-3003 Bern  
SWITZERLAND

Tel: +41 (31) 322 5642 (58) 462 56 42 / +41 (58) 462 56 36  
Fax: +41 (31) 322 0078 (58) 462 00 78  
email: [office@bfe.admin.ch](mailto:office@bfe.admin.ch) - [peter.koch@bfe.admin.ch](mailto:peter.koch@bfe.admin.ch)  
email: [info@bfe.admin.ch](mailto:info@bfe.admin.ch)

Copy of application to:

Swiss Federal Nuclear Safety Inspectorate  
Section for Transport and Waste Management  
Industriestrasse 19  
CH-5200 Brugg  
CH 5232 Villigen/HSK  
SWITZERLAND

Licences for the import/export of non-nuclear radioactive material and carriers' licences for radioactive material:

Federal Office of Public Health  
Division of Radiation Protection  
Section Research Facilities and Nuclear medicine  
Schwarzenburgstrasse 165  
CH-3003 Bern  
SWITZERLAND

Tel: +41 (31) 322 9603 +41 (58) 463 41 55  
Fax: +41 (31) 322 8383 +41 (58) 422 83 83  
email: [Werner.zeller@bag.admin.ch](mailto:Werner.zeller@bag.admin.ch) - [raphael.stroude@bag.admin.ch](mailto:raphael.stroude@bag.admin.ch)  
email: [info@bag.admin.ch](mailto:info@bag.admin.ch)

Advice concerning the sending of radioactive material by post:

Swiss Post  
Customer Service international  
~~Paketpost~~  
CH-3030 Bern  
SWITZERLAND

Tel: +41 (31) 338 2724 +800 888 777 00 (for international calls)  
Tel: 0800 888 100 (calls within Switzerland only)  
Fax: +41 (31) 338 0500  
email: [gefahrengut@post.ch](mailto:gefahrengut@post.ch) - [international@post.ch](mailto:international@post.ch)

## **Appendix E.2**

Page 886, add a new entry for **China, People's Republic of**, as follows:

Inspection Center for Dangerous Goods and Packaging  
Jiangsu Entry-Exit  
Inspection and Quarantine Bureau of P.R. of China  
No.1268 Longjin Road, Xinbei Dist  
Changzhou, Jiangsu, 213022  
PEOPLES REPUBLIC OF CHINA

Tel: +86 (519) 8515 2627  
Fax: +86 (519) 8690 6172  
Email: [gaox@jsciq.gov.cn](mailto:gaox@jsciq.gov.cn)

Page 887, add a new entry for India as follows:

**India**

C.C.Shah & Sons  
239, Adarsh Industrial Estate  
Andheri Sahar Road,Chakala  
Andheri (E)  
MUMBAI-400099  
INDIA

Tel: +91 22-67575757  
Fax : +91 22-28203746  
Mobile: 9833684357  
e-mail: dipti@zline.in / pritesh@zline.in

Page 888, add new:

**Kenya**

Kenya Bureau of Standards  
PO Box 54974  
Nairobi 00200  
KENYA

Tel: +254 20 600 5490  
Fax: +254 20 600 9660  
email: info@kebs.org  
Website: www.kebs.org

Page 889, amend contact details for Switzerland as follows:

**Switzerland**

Swiss TS Technical Services AG  
Richtstrasse 15  
**P.O. Box**  
CH-8304  
Wallisellen  
SWITZERLAND

Tel: +41 (1) 877 6111 44  
Fax: +41 (1) 877 6215 02  
E-mail: info@swissts.ch  
Website: [www.swissts.ch](http://www.swissts.ch)