

DGR 58版

January 2, 2017 (2017年1月2日)

2017 Addition to Operator Variations (Continued)

Further to the Notice dated 23 Dec. 2016 announcing Operator Variations filed since the DGR 58th Edition was issued, there has been further additional Operator Variations filed which is transmitted in the attached Revised List of added/amended Operator Variations (18 pages).

As said in the previous notification, this is not a formal addendum as there are no changes to the regulatory provisions of the 58th Edition of the DGR. Should there be a need to issue an addendum, then all these operator variation changes will be included in the formal addendum.

The attached document carries all the added/amended Operator Variations so far filed after the 58th Edition was issued.

2017年 運航者例外規定の追加 (更なる追加)

2016年12月26日に、既に発刊されている第58版のIATA危険物規則書に追加となる『運航者例外規定』の案内をさし上げましたが、この度、更なる追加・変更が集まりましたので、添付して最新の『運航者例外規定』の追加・修正版をお届けします。

前の Notice でご案内したように、これは規則書の規則そのものの改訂ではないので、Addendum (追補版) を出すまでに至らず、規則書を使われる各位の実務上の情報として添付した 18 ページの『改訂運航者例外規定』を参考にしてください。

将来、規則そのものが変更になった場合は、Addendum (追補版) を発行し、その際に、これら運航者例外規定も併せて Addendum の中に組み入れます。

Nothing more 以上

**Attachment: Revised Operator Variations – 18 pages**

貼付: 運航者例外規定の追加・変更版 – 18 ページ



## Revisions to 2017 operator variations as at 26 December 2016, Rev 1.

The following are operator variations that appear in the 2017, 58<sup>th</sup> edition of the IATA Dangerous Goods Regulations with amendments advised by airlines as of 26 December 2016. The changes to the variations in this document are identified by the standard revision symbols but are also shown with deleted text in strikethrough and new text in red and underline. The airlines that have advised of changes are as follows:

Air China	CA Air Hong Kong	LD
Air India	AI Air Austral	UU
Air Transat	TS Austrian Airlines	OS
Cargologicair	P3 Cathay Pacific	CX
Hong Kong Dragon Airlines (Cathay Dragon)	KA China Airlines	CI
Corsair International	SS FedEx Express	FX
Llc GloBus	GH Japan Airlines	JL
JetStar Asia	3K PJSC Siberia Airlines	S7
SunExpress	XQ SunExpress Deutschland GmbH	XG
Swiss International	LX UPS Airlines	5X

### 2.8.4 List of Operator Variations

The variations are listed in alpha-numeric order according to the code assigned.

#### 3K (Jetstar Asia)

**3K-01** Not used.

**3K-02** Division 4.1 Flammable Solids. Passengers and crew are not permitted to bring book matches onto aircraft for personal use. Book matches are only allowed as correctly packed and declared dangerous goods consignments (**see 2.3.5.6**).

**3K-03** New or used internal combustion engines will not be accepted for carriage in passenger baggage.

**3K-04** Oxygen or air, gaseous cylinders required for medical use are only accepted for transport in or as carry-on baggage (**see 2.3.4.1**).

- △ **3K-05** ~~Dangerous goods consigned as cargo are not accepted for carriage on any Jetstar Asia aircraft~~ Dangerous goods in consolidations will not be accepted for carriage except for UN 1845 Carbon dioxide solid (dry ice) up to maximum of 145 kg per flight when used as refrigerant for a non-dangerous goods consignment.

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 maximum of 145 kg per flight when used as refrigerant for non-dangerous goods.~~

- △ **3K-06** Lithium batteries when packed with or contained in equipment in accordance with Section II of Packing Instruction 966, 967, 969 and 970 have to be reported as Special Loads in the NOTOC.

#### 5X (United Parcel Service)

**Note:**

The most current information about UPS services and restrictions may be found at the following web site:  
<http://ups.com/hazmat>

- △ **5X-01** **Small Package Service – U.S. Domestic:** Shipments of Dangerous Goods in the UPS Small Package service with an origin and destination within the USA will be accepted by contract only, in accordance with the current UPS “Hazardous Materials Guide.” This information is posted under the SUPPORT topic on the UPS Home Page ([www.ups.com](http://www.ups.com)). See also the SITE GUIDE on UPS Home Page [www.ups.com](http://www.ups.com), at the link for “Hazardous Materials.” Users may also locate the UPS Guide for Shipping Hazardous Materials by using the SEARCH function on the website. Shipments of UN 3480, Lithium ion batteries and UN 3090, Lithium metal batteries are accepted only when prepared under Section IA or IB of the relevant Packing Instruction. Shipments



containing UN 3090 or UN 3480 prepared according to Section II are not accepted. Refer to 5X-08 for pre-approval requirements related to shipments of UN 3090.

- △ **5X-02 Small Package Service – Origins or Destinations outside U.S.:** UPS International Small Package service rules and restrictions apply to all dangerous goods shipments with an origin and/or destination outside of the USA. Such shipments, including Biological Substances, Category B, will be accepted by contract only (**see 5X-01 above for USA domestic shipments**). Countries available for service are shown at the following web site in the column for “Biological Substances, Category B:

Website: [www.ups.com/content/us/en/resources/ship/idg/information/acl.html](http://www.ups.com/content/us/en/resources/ship/idg/information/acl.html)

When shipping packages requiring an IATA Shipper's Declaration for Dangerous Goods, combination packagings must be used and packages must not exceed 30 kg gross weight. When applicable, not more than three compatible different dangerous goods may be contained in one outer packaging (5.0.2.11). The following classes/divisions of Dangerous Goods are prohibited from UPS international Small Package service:

- Class 1 (Explosives)
- Division 2.3 (Toxic Gas)
- Division 4.2 (Spontaneously Combustible)
- Division 4.3 (Dangerous When Wet)
- Division 5.1 (Oxidizer)
- Division 5.2 (Organic Peroxide)
- Division 6.1—Substances requiring a “Toxic” label

Shipments of UN 3506, Mercury contained in manufactured articles will be accepted only when the packages do not require a “Toxic” sub-risk label.

- Division 6.2 (Infectious Substances, Category A)
- Class 7—Substances requiring a “Radioactive” White–I, Yellow–II, Yellow–III, or Fissile label.
  - Radioactive Material, Excepted Package shipments are also prohibited.
- Class 9—
  - Shipments of UN 2807, Magnetized material which conform to Packing Instruction 953 are limited to origins and destinations within the UPS International Dangerous Goods (IDG) network. A listing of origins and destinations authorized for IDG may be found at the following link the following link: <http://www.ups.com/content/us/en/resources/ship/idg/information/acl.html>. Additionally, such shipments must be labelled in accordance with Packing Instruction 953 and documented in one of the following ways:
    - Identified as “Magnetized material” in a Package Reference field on the UPS Shipping Label; or
    - Accompanied by a written document, affixed directly to the outside of the package or contained in a resealable envelope on the package, identifying the contents as “Magnetized material”.
- Complete information about UPS Small Package International Dangerous Goods service, including specific limitations per package, may be found at the link for UPS GUIDE FOR SHIPPING INTERNATIONAL DANGEROUS GOODS at the site identified in variation 5X-01.
- All permitted Dangerous Goods in Excepted Quantities are accepted. UPS class/division restrictions do not apply to Dangerous Goods in Excepted Quantities.

Shipments of UN 3480, Lithium ion batteries and UN 3090, Lithium metal batteries are accepted only when prepared under Section IA or IB of the relevant Packing Instruction. Shipments containing UN 3090 or UN 3480 prepared according to Section II are not accepted. Refer to 5X-08 for pre-approval requirements related to shipments of UN 3090.

(see 1.3.2, 8.1.6.9.1 and 10.8.3.9.1).

- △ **5X-03 UPS Air Cargo Service:** 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.



Shipments of UN 3480, Lithium ion batteries and UN 3090, Lithium metal batteries are accepted only when prepared under Section IA or IB of the relevant Packing Instruction. Shipments containing UN 3090 or UN 3480 prepared according to Section II are not accepted. Refer to 5X-08 for pre-approval requirements related to shipments of UN 3090. Approval to ship UN 3090 lithium metal batteries is required. Refer to 5X-08 and the Air Cargo shipper contract for details.

△ **5X-04 UPS Global Freight Forwarding:** Dangerous Goods shipments in UPS Air **Freight** Services are accepted by arrangements between UPS Airlines and UPS Supply Chain Solutions. Prohibited hazard classes include:

- Divisions 1.1, 1.2, 1.3, 1.4F, 1.5 and 1.6 (Explosives)
- Division 2.3 Toxic Gases
- Materials having either a primary or subsidiary hazard of Division 6.1—with a Packing Group I inhalation toxicity
- Division 6.2—(Infectious Substances, Category A)
- Class 7 (outside of the U.S., Canada and Mexico)—substances requiring a “Radioactive” White-I, Yellow-II or Yellow-III label.
  - Materials requiring a Fissile label are not accepted in any UPS service.
  - Radioactive Material, Excepted Package shipments are also prohibited outside the U.S. and Canada.

Shipments of UN 3480, Lithium ion batteries and UN 3090, Lithium metal batteries are accepted only when prepared under Section IA or IB of the relevant Packing Instruction. Shipments containing UN 3090 or UN 3480 prepared according to Section II are not accepted. Refer to 5X-08 for pre-approval requirements related to shipments of UN 3090.

**5X-05 General:** When an IATA Shipper's Declaration for Dangerous Goods is required, the shipper must present three original copies.

**5X-06 General:** To maintain compliance with USG-18, for the following listed materials, UPS requires all packages to comply with U.S. DOT packaging requirements contained in 49 CFR 173.302(f) and 173.304(f). Such packagings must be marked with the text “DOT31FP” on the outer package. Affected entries are:

**UN 1070** — Nitrous oxide—see 49 CFR 173.340(f)

**UN 1072** — Oxygen, compressed—see 49 CFR 173.302(f)

**UN 2451** — Nitrogen trifluoride—see 49 CFR 173.302(f)

**UN 3156** — Compressed gas, oxidizing, n.o.s.—see 49 CFR 173.302(f)

**UN 3157** — Liquefied gas, oxidizing, n.o.s.—see 49 CFR 173.304(f)

**UN 3356** — Oxygen generator, chemical—see 49 CFR 173.168

Carbon dioxide and oxygen mixture, compressed—see 49 CFR 173.304(f)

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

- Shipments of UN3480, Lithium ion batteries and UN3090, Lithium metal batteries are accepted only when prepared under Section I.A or I.B of the relevant Packing Instruction. Shipments containing UN3090 or UN3480 prepared according to Section II are not accepted. Refer to 5X-08 for pre-approval requirements related to shipments of UN3090. 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.
- For shipments tendered without an IATA Air Waybill, lithium battery packages of UN 3480, UN 3481, UN 3090 or UN 3091 prepared **and marked/labelled** in accordance with Section II of the relevant Packing Instruction should **also** be marked with appropriate information on the address label or adjacent to the mark required by 7.1.5.5 or the label shown at 7.4.8, to enable UPS to identify the shipment type when transferring to partner air carriers. For example:
  - ~~P.I. 965-II~~
  - P.I. 966-II
  - P.I. 967-II
  - ~~P.I. 968-II~~
  - P.I. 969-II
  - P.I. 970-II



Alternatively, such information may be included on a document accessible from the outside of the package.

- 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 UN 3171 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.

△ **5X-08 General:** 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>

## **AI (Air India)**

**AI-01** Explosives shall not be carried with the exceptions of items covered under UN 0012 and UN 0014 subject to approval from Director General Civil Aviation.

**AI-02** Class 3, Flammable liquids in Packing Group I are not acceptable for carriage.

**AI-03** Division 4.3, Substances which on contact with water emit flammable gases are not accepted for carriage.

**AI-04** Dangerous Goods must not be consolidated with non-dangerous goods.

**AI-05** Carriage of carbon dioxide solid (dry ice) per aircraft shall be limited to the following:

(a) 1,500 kg on A330-200;

(b) 1,200 kg on B747-400/B777-300ER/B777-200LR;



- (c) 500 kg on B787-800/A310;
- (d) 200 kg on A319/A320/A321/B737-800.

**AI-06** A 24 hour emergency telephone number must be provided in the "Handling Information" box of the Shipper's Declaration and air waybill.

✦ **AI-07** Fissile material shall not be accepted for carriage.

△ **AI-08** ~~Only UN 3481, lithium ion batteries packed with equipment and lithium ion batteries contained in equipment prepared in accordance with PI 966 and PI 967, respectively will be accepted for transport. UN 3091, lithium metal batteries packed with equipment and lithium metal batteries contained in equipment prepared in accordance with PI 969 and PI 970 respectively, are forbidden.~~ **Not used.**

□ **AI-09** Small vehicles powered by lithium batteries are forbidden for carriage on Air India flights as a part of passenger's baggage (checked and carry-on), examples include but are not limited to airwheel, solowheel, hoverboard, mini-segway, balance wheel.

## CA (Air China)

**CA-01** Dangerous goods in consolidations will not be accepted for carriage, except for:

- consolidations with only one house air waybill;
- consolidations having one master air waybill with more than one house air waybill which have the same shipper and different consignees containing only dangerous goods of Class 9, (excluding UN 3480 Lithium ion batteries and UN 3090 Lithium metal batteries);
- consolidations having multiple house air waybills with different shippers/consignees containing only ID 8000, Consumer commodity and/or UN 1266, Perfumery products and/or UN 1845, dry ice.

(see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5).

**CA-02** Not used.

**CA-03** Not used.

**CA-04** Sufficient absorbent material to absorb the contents of all inner packagings must be used for combination packagings containing corrosive liquids in Packing Groups I, II and III.

**CA-05** The telephone or facsimile number of the consignee must be shown on the Air Waybill (see 8.2 and 10.8.8).

✦ **CA-06** Dangerous goods originating from China will not be accepted for carriage in air mail, except for radioactive materials in excepted packages which meet the requirement of 2.4.1 in these regulations (see 2.4 and 10.2.2).

**CA-07** Dangerous goods in excepted quantities originating from China will not be accepted, except for radioactive materials in excepted packages (see 2.6 and 10.5.8).

**CA-08** Cold storage for dangerous goods is not available, except when Carbon dioxide, solid (Dry ice) is used as a refrigerant for non-dangerous goods (see Packing Instruction 954).

**CA-09** Fireworks originating from China will not be accepted for carriage (see Packing Instruction 135).

**CA-10** Single packagings including composite packagings containing liquid dangerous goods are not accepted for carriage unless overpacks are used. Such overpacks must be strong enough for carriage.

**CA-11** The following dangerous goods are not accepted for carriage on Air China's international and domestic passenger flights:

- Class 1 explosives with exception of 1.4S.
- Division 2.3 toxic gas with exception of aerosols.
- Division 6.1 toxic substance of Packing Group I.
- Division 6.2 category A infectious substance, except when transported under the needs of the Ministry of Health of China, the CDC of China and the Ministry of Forest of China.
- Class 7 Radioactive Material in Type B or in Type C packaging with III-yellow category.

**CA-12** Oxygen or air, gaseous cylinders required for medical use are not permitted in passengers' checked or carry-on baggage and on one's person. Should a passenger require supplementary oxygen, a prior request must be made to Air China Limited (see 2.3.4.1).



**CA-13** UN 3480, lithium ion batteries (Section IA, Section IB and Section II) prepared in compliance with PI 965, UN 3090 Lithium Metal Batteries (Section IA, Section IB and Section II) prepared in compliance with PI 968 are not accepted as cargo.

△ **CA-14** Each passenger and crew member is not permitted to carry more than 8 spare batteries in total. Included in the total of eight spare batteries are:

- not more than 2 lithium ion batteries with a watt-hour rating exceeding 50 Wh but not exceeding 100 Wh or 2 lithium metal batteries, with a lithium metal content exceeding 1 g but not exceeding 2 g;

**Notes:**

1. *No more than two power banks are permitted.*
2. *Lithium ion batteries, lithium metal batteries or power banks without any clear marks of the Watt-hour or lithium metal content or where the Watt-hour rating can't be calculated are forbidden.*

3: Medical devices such as Portable Oxygen Concentrators (POC), which are permitted to be used on board, are specified in the relevant manuals or documents of Air China. The number of spare batteries for the devices mentioned above shall also be complied with the regulations in the relevant manuals or documents of Air China.

- the permitted number of spare lithium batteries for wheelchairs or other mobility aids is included in the total of 8 spare batteries, and must comply with the relevant requirements for wheelchairs and other mobility aids.

□ **CA-15** Small vehicles powered by lithium batteries such as balance wheel, air wheel, solo wheel, hoverboard, bike etc. are forbidden to be transported in the passengers luggage either as checked or carry-on baggage.

## CI (China Airlines)

△ **CI-01** The following dangerous goods will not be accepted for carriage as cargo on China Airlines' passenger flights:

1. Class 1 to Class 8; except for UN 1072 (in compliance with SP A302), UN 2908, UN 2909, UN 2910, UN 2911, UN 3164 meeting requirement of PI208(a) and UN 3373;
2. fully regulated lithium ion batteries (Class 9) as per ~~Section IA and IB of PI 965 and Section I of PI 966–PI 967 (RLI)~~;
3. fully regulated lithium metal batteries as per Section I of PI 969–PI 970 (RLM).

**Note:**

*The above prohibitions do not apply to CI company material.*

**CI-02** Dangerous goods in exempted quantities will not be accepted, except for radioactive materials, excepted package (**see Subsection 2.6**).

**CI-03** Dangerous goods in consolidations will not be accepted for carriage, except for:

- (a) consolidations having one master air waybill with one or more house air waybill(s) containing only dangerous goods; or
- (b) consolidations containing the following dangerous goods and general cargo:
  - UN 1845 Carbon dioxide, solid (Dry ice) when used as a refrigerant for non-dangerous goods;
  - UN 2807 Magnetized material as per PI 953 and with field strength no more than 0.418 A/m or 0.00525 Gauss measured at a distance of 4.6 m;
  - ID 8000 Consumer commodity/UN 1266 Perfumery product;

(**see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5**).

**CI-04** Any liquid dangerous goods having primary hazard or subsidiary hazard of Class 8–Corrosives in single packaging will not be accepted unless each single packaging overpacked with rigid material to protect at least the top and bottom of the packaging. The packages shall be stackable (**see 5.0.2.14**).

**CI-05** Oxygen Generator Chemical UN 3356 will not be accepted for carriage except CI company material.

✦ **CI-06** The shipper must obtain an approval from Atomic Energy Council/Taiwan for the import, export, transferring or transiting of Radioactive Material to, from, via Taiwan 7 days prior to flight departs from the State of origin. Radioactive material, excepted package is not subject to above requirement.



80, Section 1, Chenggong Road  
Yonghe District  
New Taipei City 23452  
Chinese Taipei

Tel: +886-2-8231 7919, Ext 2179/2187  
Fax: +886-2-8231 7829

**CI-07** Dangerous goods offered for transport under State exemptions or approvals (e.g. as required by Special Provision A1, A2, A106, etc.) will not be accepted for carriage.

- ✦ **CI-08** Radioactive material (Class 7), except for radioactive material, excepted package, must be segregated from packages containing Class 1, 2, 3 and 8 dangerous goods.

**CI-09** The following dangerous goods will not be accepted for carriage as cargo by China Airline's aircraft:

- (a) Lithium Ion cells and batteries (UN 3480) prepared in accordance with Section II of Packing Instruction 965.
- (b) Lithium Metal cells and batteries (UN 3090), prepared in accordance with Section IA, IB and II of Packing Instruction 968.

**Note:**

*Above prohibitions does not apply to CI company material.*

### **CX (Cathay Pacific Airways)**

**CX-01** 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-02** All combination packagings containing liquid dangerous goods in Packing Groups I, II or III must contain sufficient absorbent material to absorb the entire contents of all the inner packagings.

**CX-03** Not used.

**CX-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 case of an accident or incident concerning (each of) the dangerous goods being transported. This telephone number, including country and area code, preceded by the words "Emergency Contact" or "24-hour number" must be inserted on the 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**).

**CX-05** Liquid dangerous goods in single packagings of drums and jerricans of any material must be prepared as follows:

1. the steel drums/plastic drums/plastic jerricans must be protected by other strong outer packaging, for example fibreboard box; or
2. if prepared as an open overpack, a suitably sized plastic, foam or wooden pallet must be used to protect at least the top and bottom of the packaging.

**CX-06** In addition to the requirements of 8.2.5, the UN number(s) of all shipments of dangerous goods in excepted quantities must be indicated on the air waybill.

**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; 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-08** ~~All packages prepared in accordance with Section II of PI 967 or Section II of PI 970 must bear the lithium battery mark or lithium battery handling label as required by 7.1.5.5 or 7.2.4.7 respectively. This requirement~~





applies to all packages of lithium batteries contained in equipment, even where the package contains no more than four cells or two batteries installed in equipment. The requirement for the lithium battery mark or lithium battery handling label does not apply to packages containing only button cells installed in equipment (including circuit boards). Not used.

## △ FX (Federal Express)

### FX-01

- (a) Class 1 articles and substances offered on a FedEx International Priority Freight (IPF), FedEx International Premium (IP1), or FedEx International Express Freight (IXF) may require a pre-alert or pre-approval. Call the FedEx Express Freight Customer Service at (877) 398-5851 for additional information (**see Packing Instructions 101–143**). Any Class 1 shipments originating in a non-U.S. location requires pre-approval. Call your local FedEx customer service number and ask for FedEx Express Freight customer service.
- (b) FedEx Express will not accept for transport any explosives assigned to Division 1.3.

### FX-02

- (a) 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.
- (b) 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.
- (c) Polychlorinated biphenyls: The following Class 9 materials, if known or suspected to contain PCBs, must be packaged as follows—for liquids: IP3 or IP3A inner metal packaging with absorbent material utilized to fill all available space; for solids: any inner packaging as per applicable packing instruction is permitted. Outer packaging must be a 1A2 steel drum, 4H2 plastic box, USA DOT-SP 8249, 9168 or 11248 (**see Packing Instructions [–] listed after each substance**):
- UN 2315** — Polychlorinated biphenyls, liquid [964]  
**UN 3077** — Environmentally hazardous substance, solid, n.o.s. ★ [956, Y956]  
**UN 3082** — Environmentally hazardous substance, liquid, n.o.s. ★ [964, Y964]  
**UN 3432** — Polychlorinated biphenyls, solid [956]
- (d) All U.S. domestic shipments of Division 4.3 must be offered either under a limited quantity “Y” prefix Packing Instruction or offered using a DOT special permit that does not require placarding for road transport. Shipments originating in the U.S. and destined for a non-U.S. location must be offered under a limited quantity “Y” prefix Packing Instruction or dropped off at a FedEx Express staffed facility that accepts dangerous goods. Shipments originating in non-U.S. locations destined for a U.S. location must either be offered under a limited quantity “Y” prefix Packing Instruction or sent as hold for pickup at a staffed FedEx Express facility that accepts dangerous goods.
- (e) FedEx Express will only accept Oxygen, compressed (UN 1072) when packed in an ATA Specification 300 Category I outer packaging. Packaging must be marked in accordance with the marking criteria of Air Transportation Association (ATA) specification No. 300. In addition, FedEx Express will require the outer package to have the additional tested specification mark of DOT31FP (**see Packing Instruction 200 and USG-15(d)**). The additional tested specification mark of DOT31FP will be required in addition to the specification container utilized and marked for all UN numbers listed in USG-18 which include UN3156, UN 3157, UN 2451, UN 1070 and UN 3356.
- (f) When using International Economy (IE) or International Economy Freight (IEF) to ship liquids in the primary hazard classes/divisions of 3, 4.2, 5.1, 5.2 and 8, customers must use “V rated” packaging. **See [www.fedex.com/us](http://www.fedex.com/us)** ; keyword dangerous goods (search field); FedEx Services Available to Ship Dangerous Goods.

### ✦ FX-03

- (a) 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.



- (b) FedEx Express will not accept labelled radioactive material with a subsidiary risk of 1.4, 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.
- (c) All fissile shipments worldwide require pre-approval. Call 1-901-434-3200 for assistance.
- (d) For mixtures or solutions of radionuclides enter "mixture" or "solution" as appropriate in the Quantity and Type of Packaging in association with the physical and chemical form (e.g. liquid salt solution or solid oxide mixture).
- (e) FedEx Express will not accept Radioactive Material, Excepted Package (UN 2908, UN 2909, UN 2910, UN 2911) in an Overpack nor will more than one package on a skid/pallet be accepted.

#### **FX-04**

- (a) The following Class 8 substances will not be accepted for carriage (**see Packing Instructions [-] listed after each substance**):

##### **UN Number — Description**

**UN 1796 — Nitrating acid mixture**, over 40% concentration [854, 855]

**UN 1826 — Nitrating acid mixtures, spent**, over 40% concentration [854, 855]

**UN 2031 — Nitric acid**, over 40% concentration [854, 855]

When shipping the above substances in acceptable concentrations, the concentration MUST be indicated on the Shipper's Declaration in association with the proper shipping name.

- (b) Hazardous waste as defined in USG-04, will not be accepted for carriage.
- (c) Division 6.2, items classed as Risk Group 4 by the World Health Organization (WHO) will not be accepted for carriage.
- (d) The following substances will not be accepted for carriage (**see Packing Instructions [-] listed after each substance**):

##### **UN Number — Description**

**UN 1001 — Acetylene, dissolved** [200]

**UN 1162 — Dimethyldichlorosilane** [377]

**UN 1308 — Zirconium suspended in a flammable liquid**, Packing Group I, [361]

**UN 1873 — Perchloric acid**, over 50% concentration [553]

- △ (e) FedEx Express will not accept for transport any item with an A2 or that meets the definition of A183 or A209 Special Provision even with a Competent Authority approval.

#### **FX-05**

- (a) FedEx Express will not accept UN 3090 or UN 3480 offered as Section II.
- (b) All UN 3090 lithium metal batteries under Packing Instruction 968 (Section IA, IB) require pre-approval. **See [www.fedex.com/us](http://www.fedex.com/us)** ; keyword lithium batteries (search field).
- (c) All lithium batteries (Section I, IA, IB and II) in all packing instructions must not be shipped in the same package as the following dangerous goods classes/divisions: 1.4, 2.1, 3, 4.1, 4.2, 4.3, 5.1, 5.2 and 8 and 2.2 with a Cargo Aircraft Only label. This includes All Packed in One, Overpacks and combination All Packed in One/Overpacks.
- △ (d) ~~All Section II lithium batteries must have the UN number(s) added to the IATA lithium battery handling label (Caution) effective 1/1/17.~~ **Effective 1 July 2017. When the lithium battery handling label (IATA Figure 7.4.H) is applied to packages / overpacks for Section IB and II lithium battery shipments, the applicable UN number(s) must be marked on the package adjacent to the lithium battery handling label.**

**FX-06** Dangerous goods packages that cannot accommodate all of the required Federal Express and regulatory documentation as well as all required regulatory markings and labelling on the top or sides of the outer package, will not be accepted for carriage. Any required documentation, marking and labelling will not be permitted on the bottom of the package. FedEx branded packaging including brown boxes may not be used to ship dangerous goods or dry ice. Exceptions: FedEx Express white and brown boxes and tubes may be used for FedEx Express



Section II lithium battery shipments. UN 3373, Biological Substance Category B may be shipped in the FedEx UN 3373 Pak and the FedEx Clinical Box.

**FX-07** This variation applies only when FX-18 does not apply. Hand written Shipper's Declarations will not be accepted. The following fields on the Shipper's Declaration must be typed or computer generated:

UN or ID number including the prefix, Proper shipping name, Hazard class or division, Subsidiary risk or division(s), Packing Group, Packaging Type, Packing Instruction, Authorization, Emergency telephone number.

**Note:**

*The technical name, when required, may be handwritten.*

For radioactive shipments, in addition to the items listed above the following must also be typed or computer generated:

Radionuclide, Special Form or Physical and Chemical Form All other entries may be handwritten.

Handwritten alterations/amendments to an entry required to be typed per FX-07 are acceptable if each alteration/amendment is legible and signed with the same signature used to sign the Shipper's Declaration.

**FX-08** When a Shipper's Declaration is required, three (3) copies must be provided with each shipment at the origin location. At least two of the copies must have the diagonal hatchings printed vertically in the left and right margins and must be printed in red.

**FX-09** Not used.

**FX-10** Not used.

**FX-11** Not used.

**FX-12** Not used.

**FX-13** Not used.

**FX-14** Not used.

**FX-15** Not used.

**FX-16** Not used.

**FX-17** Not used.

**FX-18** Shipper's Declarations for dangerous goods for all FedEx Express® dangerous goods shipments originating in the U.S. 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 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](http://www.fedex.com/us/dangerous_goods) (keyword).*

## **GH (Llc GloBus)**

**GH-01** Shipment of dangerous goods transported by Llc GloBus flights will only be acceptable after getting advance approval of Llc GloBus. Requests for dangerous goods shipments must be sent to the following email address: email: [cgo@s7.ru](mailto:cgo@s7.ru)

Request for approval must be submitted and be made according to the special form of approval (form is provided by request). Form of approval to be attached to the set of accompanying documents and forwarded on board to the crew by the handling company at the airport of departure.

△ ~~GH-02 Patient specimens will only be accepted if assigned to UN 2814 or UN 2900 or UN 3373 as appropriate. Biological substance, Category B—UN 3373 may only be accepted for carriage under necessary requirements and after a prior Llc GloBus written approval has been granted~~ **Not used.**



**GH-03** The Shipper must provide a 24-hour emergency telephone number of a person/agency who is knowledgeable of the hazards, characteristics and actions to be taken in case of an accident or incident concerning (any of) the dangerous goods being transported. 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 DGD in the "Additional Handling Information" box, e.g. "Emergency Contact +7(495)-123-45-78".

## **JL (Japan Airlines)**

**JL-01** A unit load device (ULD) containing dangerous goods other than those indicated in 9.1.4, which is transferred from another carrier, will not be accepted, unless otherwise approved by Japan Airlines.

△ **JL-02** Not used.

✳ **JL-03** Type B(M) Packages and/or any SCO, or LSA Materials in Industrial Packagings will not be accepted for carriage (**see Subsection 10.5**).

**JL-04** Not used.

✳ **JL-05** Any Type B(U) Packages will not be accepted for carriage on passenger aircraft unless they are intended for use in or incident to medical diagnosis, treatment or research (**see 10.9.3, 10.5.11 and 10.10.2**).

**JL-06** Magnetized materials will not be carried aboard an aircraft if the net weight of the magnet itself exceeds:

- 2,000 kg or 4,400 lb in each Unit Load Device (ULD) and bulk compartment—(B-747F or B-747 aircraft);
- 2,000 kg or 4,400 lb in each Unit Load Device (ULD) and bulk compartment—(B-767F or B-767 aircraft);
- 2,000 kg or 4,400 lb in each Unit Load Device (ULD) and bulk compartment—(B-777 aircraft);
- 600 kg or 1,320 lb in one aircraft—(B-737 aircraft).

(**see Packing Instruction 953**).

**JL-07** Not used.

△ **JL-08** ~~Division 6.1, Toxic substances in Packing Group I will not be accepted for carriage.~~ Substances assigned to Packing Group I with a toxic primary or subsidiary hazard or substances with a toxic primary or subsidiary hazard that are required to be in Packing Group I performance standard packagings are forbidden for carriage.

**JL-09** Liquid dangerous goods in single packagings of steel drums (1A1 or 1A2) and steel jerricans (3A1 or 3A2), will not be accepted unless overpacked with suitable material to protect at least the top and bottom of the packaging.

**JL-10** Not used.

**JL-11** 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 DGD, preferably in the "Handling Information" box, e.g. Emergency Contact +47 67 50 00 00 (**see 8.1.6.11 and 10.8.3.11**).

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

## **KA (Hong Kong Dragon Airlines (Cathay Dragon))**

**KA-01** UN 3480 Lithium ion batteries. Lithium ion cells and batteries are prohibited from carriage as cargo on Cathay Dragon 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).

**KA-02** All combination packagings containing liquid dangerous goods in Packing Groups I, II or III must contain sufficient absorbent material to absorb the entire contents of all the inner packagings.

**KA-03** Not used.

**KA-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 case of an accident or incident concerning (each of) the dangerous goods being transported. This telephone number, including country and area code, preceded by the words "Emergency Contact" or "24-hour number" must be inserted on the 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**).

**KA-05** Liquid dangerous goods in single packagings of drums and jerricans of any material must be prepared as follows:

1. the steel drums/plastic drums/plastic jerricans must be protected by other strong outer packaging, for example fibreboard box; or
2. if prepared as an open overpack, a suitably sized plastic, foam or wooden pallet must be used to protect at least the top and bottom of the packaging.

**KA-06** In addition to the requirements of 8.2.5, the UN number(s) of all shipments of dangerous goods in exempted quantities must be indicated on the air waybill.

**KA-07** UN 3090 Lithium metal batteries. Lithium metal cells and batteries are prohibited from carriage as cargo on Cathay Dragon 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; 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).

~~△ **KA-08** All packages prepared in accordance with Section II of PI 967 or Section II of PI 970 must bear the lithium battery mark or lithium battery handling label as required by 7.1.5.5 or 7.2.4.7 respectively. This requirement applies to all packages of lithium batteries contained in equipment, even where the package contains no more than four cells or two batteries installed in equipment. The requirement for the lithium battery mark or lithium battery handling label does not apply to packages containing only button cells installed in equipment (including circuit boards). **Not used.**~~

## **LD (Air Hong Kong)**

**LD-01** 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 2.3.A).

**LD-02** All combination packagings containing liquid dangerous goods in Packing Groups I, II or III must contain sufficient absorbent material to absorb the entire contents of all the inner packagings.

**LD-03** Not used.

**LD-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 case of an accident or incident concerning (each of) the dangerous goods being transported. This telephone number, including country and area code, preceded by the words "Emergency Contact" or "24-hour number" must be inserted on the 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**).

**LD-05** Liquid dangerous goods in single packagings of drums and jerricans of any material must be prepared as follows:

1. the steel drums/plastic drums/plastic jerricans must be protected by other strong outer packaging, for example fibreboard box; or
2. if prepared as an open overpack, a suitably sized plastic, foam or wooden pallet must be used to protect at least the top and bottom of the packaging.



**LD-06** In addition to the requirements of 8.2.5, the UN number(s) of all shipments of dangerous goods in excepted quantities must be indicated on the air waybill.

**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; 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).

△ **LD-08** ~~All packages prepared in accordance with Section II of PI 967 or Section II of PI 970 must bear the lithium battery mark or lithium battery handling label as required by 7.1.5.5 or 7.2.4.7 respectively. This requirement applies to all packages of lithium batteries contained in equipment, even where the package contains no more than four cells or two batteries installed in equipment. The requirement for the lithium battery mark or lithium battery handling label does not apply to packages containing only button cells installed in equipment (including circuit boards).~~ Not used.

## **LX (Swiss International)**

✦ **LX-01** Following class 7 articles or substances will not be accepted for carriage (see Subsection 10.4):

### **UN Number — Description**

**UN 2919 — Radioactive material, transported under special arrangement non fissile or fissile excepted**

**UN 2977 — Radioactive material, uranium hexafluoride, fissile**

**UN 3321 — Radioactive material, low specific activity (LSA-II) non fissile or fissile excepted**

**UN 3322 — Radioactive material, low specific activity (LSA-III) non fissile or fissile excepted**

**UN 3324 — Radioactive material, low specific activity (LSA-II), fissile**

**UN 3325 — Radioactive material, low specific activity (LSA-III), fissile**

**UN 3326 — Radioactive material, surface contaminated objects (SCO-I or SCO-II), fissile**

**UN 3327 — Radioactive material, Type A package, fissile non-special form**

**UN 3328 — Radioactive material, Type B(U) package, fissile**

**UN 3329 — Radioactive material, Type B(M) package, fissile**

**UN 3330 — Radioactive material, Type C package, fissile**

**UN 3331 — Radioactive material, transported under special arrangement, fissile**

**UN 3333 — Radioactive material, Type A package, special form, fissile**

**LX-02** Except for ID 8000, **Consumer commodity**, dangerous goods in limited quantities (“Y” packing instructions) will not be accepted for carriage (see Subsection 2.7 and all “Y” Packing Instructions).

**LX-03** Mercurial barometers or thermometers will not be accepted for carriage in baggage, except a small medical or clinical thermometer for personal use when in its protective case (see 2.3.3.1).

**LX-04** Camping stoves (gas or fuel) will not be accepted for carriage in baggage. This variation applies also to used camping stoves which have been thoroughly cleaned (see 2.3.2.5).

**LX-05** The shipper must provide a 24-hour emergency telephone number of a person who is knowledgeable of the hazard, characteristics and actions to be taken in case of an accident or incident. The telephone number must include 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.

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

**LX-06** The following items are not accepted for carriage as cargo:

- UN 3090 Lithium metal batteries—PI 968, Section IA, IB and II
- 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

**LX-07 UN 3171 Battery-Powered Vehicles are not accepted as cargo. This prohibition does not apply to UN 3171 Battery-Powered Equipment.**

### **OS (Austrian Airlines)**

**OS-01 UN 3481 Lithium ion batteries contained in equipment, PI 967, Section I (battery/pack more than 100 Wh) will not be accepted for carriage as cargo. Dangerous goods in “Limited Quantities” (“Y” Packing Instructions) will not be accepted for carriage. Exception: Consumer commodity (ID 8000) will be accepted (see Subsection 2.7 and all “Y” Packing Instructions).**

**OS-02 Not used. Dangerous goods in consolidations will not be accepted for carriage, except for the following shipments:**

- consolidations containing UN1845, 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.

**OS-03 Dangerous goods in “Limited Quantities” (“Y” Packing Instructions) will not be accepted for carriage. Exception: Consumer commodity (ID 8000) will be accepted (see Subsection 2.7 and all “Y” Packing Instructions). Biological substance, Category B (UN 3373) will not be accepted in air mail (see 2.4).**

**OS-04 Biological substance, Category B (UN 3373) will not be accepted in air mail (see 2.4). UN 3356 Oxygen generator, chemical will not be accepted.**

**OS-05 UN 3373 Biological substance, Category B will be accepted as cargo if the packaging meets the requirements of Packing Instruction 620. Marking and entries on the air waybill must comply with IATA requirements for UN 3373.**

**OS-06 Fissile Material will not be accepted.**

**OS-07 Intermediate bulk containers (IBC) will not be accepted. Exception: The IBC packagings 11A, 21A, 11B, 21B, 11N, 21N and 11C will be accepted under the condition that they are stackable with a minimum topload of 2,000 kg (stacking test load at least 3,600 kg). Advance arrangements with Lufthansa Cargo AG are required.**

**OS-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 IA, IB and II PI 965 and UN 3090 Lithium metal batteries prepared in accordance with Section IA, IB and II PI 968 will not be accepted for carriage as cargo;**

**2. All consignments containing the following lithium batteries are prohibited as cargo on passenger aircraft and must be shown on the DGD as Cargo Aircraft Only with packages bearing the Cargo Aircraft Only label:**

- 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 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 lithium batteries are permitted as cargo on passenger and cargo aircraft:**

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



- OS-09** All consignments containing UN 3171 Battery-powered vehicle and Battery-powered equipment are prohibited on passenger aircraft.

### **P3 (Cargologicair)**

**P3-01** Packages with dangerous goods, primary risk of Class 8, labelled "Cargo Aircraft Only", are forbidden for transport on lower deck of the aircraft.

**P3-02** UN 3090, Section IA of PI 968 and UN 3091, Section I of PI 969 and PI 970 are accepted for carriage upon prior approval of the airline. Request for approval must be by email: [dg@cargologicair.com](mailto:dg@cargologicair.com)

- P3-03** UN3480, Section 1A of PI 965 and UN3481, Section 1 of PI 966 and PI967 are accepted for carriage upon prior approval of the airline. Request for approval must be via email: [dg@cargologicair.com](mailto:dg@cargologicair.com)

- P3-04** UN3480 Section 1B, 11 of PI965, UN3481 Section 11 of PI966 and PI967, UN3090 Section 1B, 11 of PI 968 and UN3091, Section 11 of PI969 and PI 970 are accepted for carriage only with a completed and signed "Shippers Declaration for Lithium Battery" form. This form can be obtained from local airline offices or via email: [dg@cargologicair.com](mailto:dg@cargologicair.com)

### **S7 (PJSC Siberia Airlines)**

**S7-01** Shipment of dangerous goods transported by Siberia Airlines flights will only be acceptable after getting advance approval of Siberia Airlines. Requests for dangerous goods shipments must be sent to the following email address: email: [cgo@s7.ru](mailto:cgo@s7.ru)

Request for approval must be submitted and be made according to the special form of approval (form is provided by request). Form of approval to be attached to the set of accompanying documents and forwarded on board to the crew by the handling company at the airport of departure.

- △ **S7-02** ~~Patient specimens will only be accepted if assigned to UN 2814 or UN 2900 or UN 3373 as appropriate. Biological substance, Category B—UN 3373 may only be accepted for carriage under necessary requirements and after a prior Siberia Airlines written approval has been granted.~~ **Not used.**

**S7-03** The Shipper must provide a 24-hour emergency telephone number of a person/agency who is knowledgeable of the hazards, characteristics and actions to be taken in case of an accident or incident concerning (any of) the dangerous goods being transported. 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 DGD in the "Additional Handling Information" box, e.g. "Emergency Contact +7(495)-123-45-78".

### **SS (Corsair)**

- ✦ **SS-01** Class 7—Radioactive material, including all categories of excepted packages, will not be accepted for transport (see 10.10.2).

- SS-02** Diving lamps are accepted by Corsair International only in carry-on baggage (see 2.3.4.6).

- SS-03** The word x package of "Lithium [ion or metal] batteries in compliance with Section II of PI966, PI967, PI969 or PI970" must be added in the "other load" part of the NOTOC, or as a remark, where "x" is the number of package(s).

**Note:**

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

- SS-04** For shipments of UN 3171 powered by lithium batteries, Corsair International 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.

- SS-05** Where any doubt arises regarding the classification or identification of a substance, the shipper must provide, upon request by Corsair Int 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.





## TS (Air Transat)

**TS-01** Air Transat Cargo will only accept for carriage dangerous goods of the following classes as cargo:

- Class 2: Gases;
- Class 3: Flammable liquids;
- Class 8: Corrosives; and
- Class 9: Miscellaneous dangerous goods.

**TS-02** In addition to the limits of TS-01, biological substance, Category B, UN 3373 will not be accepted.

**TS-03** The following dangerous goods will not be accepted as cargo:

- UN 3091, Lithium metal batteries packed with equipment (PI 969, Section I and II);
- UN 3091, Lithium metal batteries contained in equipment (PI 970, Section I and II); and
- UN 3480, Lithium ion batteries (PI 965, Section IA, IB and II).

**TS-04** Battery-powered wheelchairs or mobility-aids with spillable batteries will not be accepted.

**Note:**

*Battery-powered wheelchairs and mobility aids with non-spillable or lithium batteries are acceptable.*

- **TS-05** Lithium Ion battery UN 3481 when shipped as cargo prepared in accordance with Section II of Packing Instruction 966 or with Section II of Packing Instruction 967 must be identified on the NOTOC.

## UU (Air Austral)

**UU-01** Dangerous goods as defined in the current edition of the IATA Dangerous Goods Regulations will not be accepted in AIR MAIL (see 2.4 and 10.2.2).

**UU-02** Dangerous goods as defined below will not be accepted for carriage on board Air Austral aircraft:

- (a) Division 2.3—Toxic gases;
- (b) Division 6.1—Toxic substances in Packing Group I.

- △ ✦ **UU-03** Radioactive material will not be accepted for carriage ~~other than radioactive material, excepted package, AOC aircraft components,~~ (see 10.10.2).

**UU-04** Battery-powered mobility aids with spillable batteries will only be accepted through Air Austral Cargo (see 2.3.2.3).

**UU-05** All blood products and biological samples, human or animal origin, must be carried as Cargo. They are not permitted as baggage. They must be classified as UN 2814, **Infectious substance, affecting humans**, (liquid or solid) or UN 2900, **Infectious substances, affecting animals**, (liquid or solid) both in Division 6.2 and packed according to Packing Instruction 620. The only exception to this rule is human or animal blood and plasma free from any pathogen and destined for human or veterinary treatment. In these cases, the shipment must be classified as non-dangerous pharmaceuticals, life-saving drugs. The air waybill must bear a detailed commodity description to enable identification.

Biological substance, Category B, UN 3373 may be accepted only as cargo and as long as a valid and free from any Pathogen Biological Certification is duly given to the Operator and must be packed in accordance with Packing Instruction 650 (see **Packing Instruction 650**).

**UU-06** The following dangerous goods permitted in passenger baggage as per 2.3 and Table 2.3.A are only allowed with the approval of the operator:

- fuel cell cartridges (2.3.5.10);
- non-infectious specimens containing small quantities of flammable liquids (2.3.5.14);
- internal combustion or fuel cell engines (2.3.5.15).

- △ **UU-07** Chemical agent monitoring equipment containing radioactive materials carried by staff members of the Organization for the Prohibition of Chemical Weapons (OPCW) are forbidden on the Air Austral network.



---

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

**XG-01** Dangerous Goods in “Limited Quantities” (“Y” Packing Instruction) will not be accepted for carriage. Exceptions: Consumer commodity (ID 8000) will be accepted (**see Subsection 2.7 and all “Y” Packing Instructions**).

**XG-02** 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; or
- Consolidations with only one house Air waybill; or
- Consolidations with more than one house Air waybill, which have the same shipper and different consignees.

(**see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5**).

**XG-03** Dangerous goods will not be accepted in air mail. This includes items permitted under 2.4.2 (**see 2.4 and 10.2.2**).

**XG-04** UN 1845 Carbon dioxide, solid (Dry Ice) is restricted to a maximum of 200 kg per aircraft on all SunExpress aircraft types.

**XG-05** Biological substance, Category B, UN 3373 will not be accepted for transport (**see Packing Instruction 650**).

☛ **XG-06** Fissile Material will not be accepted.

**XG-07** 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, e.g. Emergency Contact +90 242-123-4567 and must also be visible on the outside of the package(s) (**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.

**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**).

☐ **XG-09** UN3171 Battery-powered vehicle powered by lithium batteries will not be accepted for carriage as cargo.

## **XQ (SunExpress)**

**XQ-01** Dangerous Goods in “Limited Quantities” (“Y” Packing Instruction) will not be accepted for carriage. Exceptions: Consumer commodity (ID 8000) will be accepted (**see Subsection 2.7 and all “Y” Packing Instructions**).

**XQ-02** 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; or
- Consolidations with only one house Air waybill; or
- Consolidations with more than one house Air waybill, which have the same shipper and different consignees.

(**see 1.3.3, 8.1.2.4, 9.1.8 and 10.8.1.5**).

**XQ-03** Dangerous goods will not be accepted in air mail. This includes items permitted under 2.4.2 (**see 2.4 and 10.2.2**).

**XQ-04** UN 1845 Carbon dioxide, solid (Dry Ice) is restricted to a maximum of 200 kg per aircraft on all SunExpress aircraft types.

**XQ-05** Biological substance, Category B, UN 3373 will not be accepted for transport (**see Packing Instruction 650**).

☛ **XQ-06** Fissile Material will not be accepted.



**XQ-07** 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, e.g. Emergency Contact +90 242-123-4567 and must also be visible on the outside of the package(s) (**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.

**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**).

**XQ-09** UN3171 Battery-powered vehicle powered by lithium batteries will not be accepted for carriage as cargo.