



IATA Lithium Battery Shipping Guidelines

8th Edition (English)
Effective 1 January 2021

ADDENDUM

Posted 27 January 2021

Users of the IATA Lithium Battery Shipping Guidelines (LBSG) are invited to note the following amendments and corrections to the 8th Edition, effective from 1 January 2021.

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 Operator Variations (Section 2.3.3)

In 2.3.3.3 List:

After Atlasjet Ukraine	Delete: Austral Lineas Aereas	AU
After GOL Airlines	Delete: Llc GloBus	GH
After Hong Kong Airlines	Delete: Hong Kong Dragon Airlines	KA
After Jetstar Japan	Delete: Jetstar Pacific	BL

Amend AF (Air France)

AF-01 Packages and overpacks containing **Lithium batteries – UN 3480 (Packing Instruction 965)**, Lithium ion batteries packed with/contained in equipment – UN 3481 (respectively Packing Instruction 966 and 967), Lithium metal batteries packed with/contained in equipment – UN 3091 (respectively Packing Instruction 969 and 970) shall not exceed a max height of 1.6 m. **A derogation may be exceptionally granted upon prior request.**

AF-02 Irrespective of variation AF-03, Lithium ion batteries – UN 3480 and Lithium metal batteries – UN 3090 complying with Special Provision A201 are not accepted on Air France **flights passenger aircraft.**

Delete AU (Austral Lineas Aereas)

~~**AU-03** Airmail containing radioactive material or lithium metal batteries contained in equipment is not accepted for carriage (see 2.4 and 10.2.2).~~

~~**AU-09** 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 shown in the Additional Handling Information box of the DGD (see 8.1.6.11 and 10.8.3.11).~~

~~**AU-10** Material Safety Data Sheet (MSDS) must be provided for all dangerous goods classes, excepted for carbon dioxide, solid (dry ice) (UN 1845, vehicles (UN 3166 and UN 3171) and engines (UN 3528, UN 3529 and UN 3530). The MSDS may be in Spanish or English. The MSDS must include the UN number, packing group if applicable, proper shipping name and all other relevant transport information.~~

~~**AU-11** Only the following lithium batteries are accepted for carriage:~~

- ~~• lithium ion batteries (UN 3481) prepared in accordance with Section II of Packing Instructions 966 and 967.~~
- ~~• lithium metal batteries (UN 3091) contained in temperature monitoring devices (e.g. data loggers), meeting the provisions of Section II of Packing Instruction 970 that are used for tracking shipments during flight.~~

Note:



~~This restriction does not apply to company materials (COMAT). For COMAT prepared in accordance with UN 3091, only one spare part will be uplifted per flight.~~

~~**AU-13** Lithium battery shipments will only be accepted when accompanied by one of the following documents:~~

- ~~(a) duly completed Lithium Battery Declaration Form (the form is available at the cargo commercial office); or~~
- ~~(b) a MSDS or a duly signed business letter or a declaration on the air waybill. The MSDS or business letter or the air waybill must include the UN number, Packing Instruction(s) and Section that are applicable to the lithium batteries, and phone number of a person/agency, who can provide additional information about the batteries.~~

Delete BL (Jetstar Pacific)

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

Amend CZ (China Southern)

CZ-08 The following lithium cells and batteries will not be accepted:

- **UN 3480**, Lithium ion cells and batteries when prepared in accordance with Section IA, Section IB and Section II of Packing Instruction 965;
- **UN 3090**, Lithium metal or lithium alloy cells and batteries (~~UN 3090~~) when prepared in accordance with Section IA, Section IB and Section II of Packing Instruction 968;
- **UN 3091**, Lithium metal or lithium alloy cells and batteries contained in or packed with equipment (~~UN 3091~~) when prepared in accordance with Section I of Packing Instruction 969 or 970. This restriction does not apply to lithium cells and batteries packed with or contained in equipment (UN 3091) that fall into the category of company materials (COMAT).

~~**CZ-09** For UN 3480, Lithium ion cells and batteries (Section IA, Section IB and Section II), the shipper must clearly indicate that Lithium ion cells and batteries are at a state of charge (SOC) not exceeding 30% of their rate capacity. On the Shipper's Declaration the information should be shown in the "Additional Handling Information" box. For UN 3480, Section II, the Shipper must indicate this information with the compliance statement on the air waybill. Example: Lithium ion batteries are at a state of charge (SOC) not exceeding 30% of their rate capacity. Not used.~~

Amend FX (Federal Express)

Add new:

FX-10 Shipments containing accessible dangerous goods (ADG) and inaccessible dangerous goods (IDG) that are dropped off at staffed FedEx U.S. locations must be processed using a FedEx or third-party automation system, not paper airbills or air waybills.

FX-18 Shipper's Declarations for dangerous goods for all FedEx Express® dangerous goods shipments originating in the US must be prepared using software (~~not paper airbills or air waybills~~) with dangerous goods compliance edit checks and by one of the following methods:

- FedEx electronic shipping solutions (see updated information below);
- Recognized shipper proprietary software; or
- FedEx recognized dangerous goods vendor software.

Update – All FedEx electronic shipping solutions must be version 2016 or newer on or before January 1, 2022. This includes FedEx Server applications and FedEx Web-Services uploads. If the upload of the DG information is not using the FedEx DG Ready DG Data Upload Mode, or is not using the newest version of FedEx Café and FedEx.com by this date, then shipments will not be accepted into the FedEx Express network.

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 <https://www.fedex.com/us>; dangerous goods (keyword).

Amend FZ (flydubai)

~~FZ-01 flydubai does not accept dangerous goods consignments as cargo. For dangerous goods that are excepted from the regulations, e.g. by a special provision, please contact flydubai local office or at cargo.capacity@flydubai.com.~~

~~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 in the Additional Handling Information box of the Shipper's Declaration for Dangerous Goods.~~

Add new

FZ-03 Effective 1st July 2021, all cargo shipments originated or re-exported from the United Arab Emirates are prohibited to use outer opaque shrink-wrap. This prohibition does not apply to interline cargo from another operator in the UAE for transport within the UAE, and UAE military and Ministry of Interior shipments carried on civilian aircraft.

Delete 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: sgo@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** 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) 12 45 78."~~

Amend GK (Jetstar)

~~**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. Not used.~~

~~**GK-06** 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 Section II of Packing Instruction 965. Not used.~~

Amend JQ (Jetstar)

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

JQ-06 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 Section II of Packing Instruction 965. Shipments exempt from this prohibition are:

- ~~UN 3480 Lithium ion batteries (including lithium polymer batteries), shipped as A.O.G. spares:~~
 - ~~The words “A.O.G. Spares” must be entered in the “Additional Handling Information” on the Shipper’s Declaration or on the air waybill when no Shipper’s Declaration is required in the “Handling Information” or “Nature and Quantity of Goods”.~~
- ~~UN 3480 Lithium ion batteries (including lithium polymer batteries), when shipped for use in urgent life-saving devices (where no other means of transport is available):~~
 - ~~The words “Urgently required to Support Life-Saving Devices” must be entered in the “Additional Handling Information” on the Shipper’s Declaration or on the air waybill when no Shipper’s Declaration is required in the “Handling Information” or “Nature and Quantity of Goods”.~~

~~The above exempt shipments must:~~

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

Delete 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-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-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 3481) 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).~~

Amend KM (Air Malta)

KM-03 ~~Dangerous Goods are not permitted in the following:~~

- ~~air mail including those items permitted by 2.4.2;~~
- ~~courier shipments carried on board Air Malta flights. **Not used.**~~



Amend **MN (Comair)**

MN-01 The following dangerous goods are prohibited for carriage on all Comair aircraft:

- (a) Class 1 to Class 8; with the exception of UN 1044, UN 1072, UN 1863, UN 1956, UN 2795, UN 2911, UN 2915, UN 3356 and UN 3373;
- (b) Class 9; with the exception of UN 1845, **UN 2990**, UN 3082, UN 3091, UN 3363 and UN 3481.

Amend **QR (Qatar Airways)**

QR-03 The shipper must provide a 24-hour emergency contact telephone number of a person/agency, who is knowledgeable of the hazards, characteristics and actions to be taken **during an emergency 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 **"24-hour emergency contact telephone number"** **"Emergency contact"** or **"24-hour number"**, must be inserted on the DGD preferably in the "Additional Handling Information" box, e.g. **"Emergency contact + 974 6750 0000 (see 8.2.1 and 8.3.1). "Handling Information" box of the DGD.**

QR-08 The following **packaging** restrictions **apply to lithium ion cells and batteries (UN 3480 and UN 3481) and lithium metal cells and batteries (UN 3090 and UN 3091) when transported as cargo must be adhered to** on all Qatar Airways flights:

- packages containing lithium cells or batteries must not be placed in an overpack with packages containing **any other** dangerous goods **in Classes 1, 2, 3, 4, 5, or 8;**
- lithium cells and batteries must not be packed in the same outer packaging with **any other** dangerous goods **in Classes 1, 2, 3, 4, 5 or 8.**

Amend **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

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. Dangerous goods are only accepted with prior approval. Requests for an approval can be submitted through the informational system of Siberia Airlines. User instructions and access to the informational system can be requested by email at cgo@s7.ru.

Section 4

Table 4.2: Amend 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
3481	Lithium ion batteries contained in equipment † (including lithium ion polymer batteries)	9	Miscellaneous Lithium batt.		E0	Forbidden		967	5 kg	967	35 kg	A48 A88 A99 A154 A164 A181 A185 A206 A213 A220	12FZ
3481	Lithium ion batteries packed with equipment † (including lithium ion polymer batteries)	9	Miscellaneous Lithium batt.		E0	Forbidden		966	5 kg	966	35 kg	A88 A99 A154 A164 A181 A185 A206 A213 A802	12FZ
3091	Lithium metal batteries contained in equipment † (including lithium alloy batteries)	9	Miscellaneous Lithium batt.		E0	Forbidden		970	5 kg	970	35 kg	A48 A88 A99 A154 A164 A181 A185 A206 A213 A220	12FZ
3091	Lithium metal batteries packed with equipment † (including lithium alloy batteries)	9	Miscellaneous Lithium batt.		E0	Forbidden		969	5 kg	969	35 kg	A88 A99 A154 A164 A181 A185 A206 A213 A802	12FZ

4.3 Special Provisions

Page 175, revise Special Provision A99 as follows:

A99 Irrespective of the per package quantity limit for cargo aircraft specified in Column L of the List of Dangerous Goods (Subsection 4.2) and in Section I of Packing Instructions 965, 966, 967, 968, 969 or 970, a lithium battery or battery assembly (UN 3090 or UN 3480), including when packed with, or contained in equipment (UN 3091 or UN 3481) that meets the other requirements of Section I of the applicable packing instruction may have a mass exceeding 35 kg, if approved by the appropriate authority of the State of origin and the State of the operator and the requirements in Packing Instruction 974 of the ICAO Supplement to the Technical Instructions are met. A copy of the document of approval must accompany the consignment.



- ☞ When lithium batteries are shipped under an approval in accordance with this special provision, the packing instruction number shown on the Shipper's Declaration must be "974".
- ☞ **A copy of the document of approval must accompany the consignment. Transport in accordance with this special provision must be noted on the Shipper's Declaration.**

Page 179, add new Special Provision A220 as follows:

A220 Packages containing COVID-19 vaccines accompanied by data loggers and/or cargo tracking devices containing lithium batteries are not subject to the marking and documentation requirements of Section II of Packing Instruction 967 or 970, as applicable.

Page 180, add new Special Provision A802 as follows:

Notwithstanding the absence of a packing group in column E, substances and articles assigned to these entries must be packed in UN Specification packagings that meet packing group II performance standards. This does not apply when aerosols are prepared for transport in accordance with the limited quantity provisions or for lithium batteries prepared in accordance with Section IB of Packing Instructions 965 or 968.