



IATA Dangerous Goods Regulations

52nd Edition (English)
Effective 1 January 2011

ADDENDUM II Posted 05 May 2011

Users of the IATA Dangerous Goods Regulations are asked to note the following amendments and corrections to the 52nd Edition, effective from 1 January 2011

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)

Add new **ROG (Romania)**

ROG-01 In order to perform flights with civil aircraft registered in another State for the carriage of dangerous goods, an authorization is required. This authorization may be given either by the Ministry of Transport and Infrastructure, or by the Romanian Civil Aeronautical Authority (RCAA), as the case may be, upon receipt of the advice of the Romanian Ministry of Defence.

The application to obtain the flight authorization and advice provided for must be submitted to the RCAA at least ten (10) working days before the date of flight and it must contain all relevant information and documents mentioned in the form shown in the Romanian AIP page GEN 1.2-12.

Upon request, a copy of the certificate issued by the appropriate authority of the State of registry of the air operator proving that it is entitled to carry dangerous goods must also be attached to the application.

ROG-02 Provided the period of submission of an application in accordance with ROG-01 above is met, the passenger and/or cargo scheduled air operator may be granted, upon request, a flight authorization (including Ministry of Defence advice) for the carriage of dangerous goods included in Classes 2, 3 (except liquid desensitized explosives, UN Nos.1204, 2059, 3064, 3343, 3357 and 3379), 4, 5, 6 (except infectious substances, Division 6.2, Category A, UN 2814, UN 2900), 8 or 9. The flight authorization/advice must be valid for limited periods of time and/or schedule of operation provided the following requirements are met:

- a) submission by the air operator, before starting the respective schedule of operation of the following documents edited either in the English language or in the Romanian language:
 - copy of the AOC and its operating specifications;
 - copy of the certificate issued by the competent authority of the State of registry of the air operator proving that it is entitled to carry dangerous goods;
 - copy of Chapter 9 — “Dangerous goods” of the Operation Manual, Part A;
 - copy of the training program for dangerous goods in the Operation Manual, Part D, or any other similar document referring to training, as approved by the aeronautical authority of the State of registry of the air operator.
- b) submission to RCAA of a notification twelve (12) hours before departure of aircraft of the details about the dangerous goods to be carried: class or division, UN number, proper shipping name, applicable packing instructions, type of package, weight of package, number of packages.

ROG-03 Civil aircraft involved in the carriage of dangerous goods that are forbidden for air transport under normal circumstances, in accordance with these Regulations, are not allowed to perform flights within the Romanian air space.

Waivers from the provisions may be granted by the Romanian Civil Aeronautical Authority only if the respective transport is justified by a major public interest. Such a waiver must be granted with the approval of the Minister of Transport and Infrastructure.

ROG-04 In case the consignment contains radioactive materials, the air operator must provide to the Romanian Civil Aeronautical Authority a copy of the authorization issued by the National Commission for the Control of Nuclear Activities (CNCAN).

The contact information of the National Commission for the Control of Nuclear Activity is as follows:

B-dul. Libertatii, Nr. 14, Sector 5
Bucuresti
ROMANIA
Tel: + 40 21 316 05 72
Fax: + 40 21 317 38 87

New or Amended Operator Variations (Section 2.8.4)

Amend 5X (UPS)

Amend 5X-02 as shown:

5X-02 Shipments of Dangerous Goods in the UPS Small Package service including shipments of Excepted Quantities, and Biological Substances, Category B, will be accepted by contract only. 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 package (5.0.2.11). Other than specifically approved shipments of dangerous goods in Excepted Quantities, 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
- Division 6.2 (Infections Substances, Category A)
- Class 7 – Substances requiring a “Radioactive” White-I, Yellow-II, Yellow-III, or Fissile label.
 - Radioactive Materials, Excepted Package shipments are also prohibited.
- **Class 9 - Miscellaneous**
 - Shipments of UN2807, Magnetized material which conform to Packing Instruction 953 can be shipped only to, from, and within the countries identified on 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 two ways:
 - Identified as “Magnetized material” in a Package Reference field on the UPS Shipping Label, or
 - Accompanied by a written document, affixed to the outside of the package, identifying the contents as “Magnetized material.”

(see 1.3.2, 8.1.6.9.1 and 10.8.3.9.1)

Amend 5X-06 as shown:

5X-06 To maintain compliance with ~~the editorial note in~~ USG-18, for the following listed materials, UPS requires all packages to comply with the 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
UN 1072 – Oxygen, compressed
UN 2451 – Nitrogen trifluoride
UN 3156 – Compressed gas, oxidizing, n.o.s.
UN 3157 – Liquefied gas, oxidizing, n.o.s.
UN 3356 – Oxygen generator, chemical
— Carbon dioxide and oxygen mixture, compressed

Amend 5X-07 as shown:

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

- Shipments of UN 3077, Environmentally hazardous substance, solid, n.o.s., will not be accepted when contained in Intermediate Bulk Containers (IBCs) in any UPS air services (including UPS Small Package, UPS Freight Air Services Freight or UPS Air Cargo services).
- Shipments of UN2807, Magnetized materials, for which the magnetic field strength exceeds 0.00525 gauss when measured at 4.6 meters from any surface of the package are not accepted in UPS services (including UPS Small Package; UPS Freight Air Services; or UPS Air Cargo services).
- Shipments of refurbished lithium batteries, or refurbished lithium batteries packed with or contained in equipment are not accepted unless specifically approved by the UPS Air Dangerous Goods Department (SDF).
- Shipments of UN3245, Genetically Modified organisms or Genetically modified micro-organisms with an origin and/or destination outside the U.S. will be considered on a case-by-case basis, subject to the requirements of UPS International Special Commodity program.

Amend **BA (British Airways)**

Add new

BA-07 UN3356 Oxygen generators, chemical are forbidden from carriage on BA aircraft.

Amend **CI (China Airlines)**

Amend CI-01 as shown:

CI-01 ~~Any consignment of Class 1 to Class 8 dangerous goods as shown in Subsection 4.2 of these Regulations, with the exception of Class 9 and AOG (excluding Oxygen Generators, chemical), will not be accepted for carriage on China Airlines' on its international passenger flights and domestic flights:~~

1. Class 1 to Class 8
2. fully regulated lithium ion batteries (Class 9) as per Section I of PI 965-967 (RLI)
3. fully regulated lithium metal batteries (Class 9) as per Section I of PI 968-970 (RLM)

Note:

Above prohibitions do not apply to CI company material.

Add new CI-06:

CI-06 Radioactive Materials other than “Radioactive material, excepted package” are prohibited when to or through Taiwan without prior approval by Taiwan authorities.

A request for approval must be addressed to Atomic Energy Council/Taiwan by shipper 7 days prior to flight departs from the State of origin:

Atomic Energy Council
80, Section 1, Chenggong Road
Yonghe District
New Taipei City 23452
Taiwan R.O.C
TEL: +886-2-82317919 ext 2179 / 2187
FAX: +886-2-82317829

Add new CI-07:

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.

Amend CO (Continental Airlines)

Replace all existing CO variations with the following:

CO-01 All liquid dangerous goods in all classes and divisions must be packed in combination packaging. Single packaging is not allowed. An overpack, by definition, is not a combination packaging. (See definitions in Appendix A) (See 5.0.2.14).

CO-02 All international and domestic shipments of dangerous goods requiring a DGD, including inter-line shipments, Dangerous goods in Excepted Quantities and COMAT parts and supplies, as defined by these Regulations, must be booked. U.S and Canadian locations must contact the Continental Airlines' Customer Service Centre for reservations (281-553-5050 or 1-800-421-2456) (Sita address: IAHFCCO). Asia/Pacific locations must be booked via the Asia/Pacific Customer Service Center (Sita address: GUMFSCO, GUMFXCO and GUMFFCO) (671-645-8570) (see 1.3.2). International locations must call the local cargo station (see 1.3.2 and 9.1.2).

CO-03 The carriage of Carbon dioxide, solid (Dry ice), UN1845 will be limited to the following established limits:

- Continental Express and Connection Partners will be limited to:
 - ➔ 2.5 kg net weight per package
 - ➔ 35 kg net weight per aircraft

(The above limits only apply to those carriers that accept UN 1845 as cargo and QUICKPAK)

Note: All shipments containing Carbon dioxide, solid (Dry ice), UN 1845, must have a Class 9 label affixed to each package. (See figure 7.3.18)).

Amend CS (Continental Micronesia)

Delete all CS variations.

Amend KZ (Nippon Cargo Airlines)

Amend KZ-03 as follows:

KZ-03 ~~Not used.~~ For packagings containing liquid dangerous goods, sufficient ullage must be left in the packaging as described in 5.0.2.8.

Amend KZ-07 as follows:

KZ-07 The following metal packagings without overpack are not acceptable for single and combination packaging:

- 1A1/1A2/1B1/1B2/1N1/1N2
- 3A1/3A2/3B1/3B2

These packagings must be overpacked to protect the top and bottom of the packaging.

Amend **NH (All Nippon Airways)**

Amend NH-04:

NH-04 Not used.

Add New **RO (TAROM Airlines)**

RO-01 Class 7 Radioactive material of any kind will not be accepted for carriage.

Amend **US (US Airways)**

Amend US-01 as follows:

US-01 US Airways will not accept shipments for carriage which contain articles and substances listed in these Regulations and/or DOT Hazardous Materials Regulations and revisions thereto, except for the following:

- Articles and substances listed as not restricted or non-regulated in said regulations;
- Carbon dioxide, solid (dry ice) in individual packages **with 5.5 pounds per package/2.5 kilos or less** cooling non-restricted contents;
- Envirotainer – unit load device equipment with dry ice cooling non-restricted contents;
- **Class 9 Dangerous Goods, with the exception of the following which will not be accepted for transportation UN 2807, Magnetized Material; UN 2211, Polymeric beads, expandable; UN 3082, Environmentally hazardous substance, liquid, n.o.s.; UN 3077, Environmentally hazardous substance, solid, n.o.s.; UN 3480, Lithium ion batteries; UN 3481, Lithium ion batteries contained in, or packed with equipment; UN 3090, Lithium metal batteries; and UN 3091, Lithium metal batteries contained in, or packed with equipment;**
- **UN3373 Biological substance, Category B;**
- US Airways company material transported as aircraft replacement items.

Add new:

US-02 Dangerous goods will not be accepted for carriage on US Airways Express.

Amend **UX (Air Europa)**

Amend UX-02 as follows:

UX-02 Dangerous goods in limited quantities **(“Y” packing instructions) will not be accepted for carriage, except for ID 8000, Consumer commodity,** COMAT, AOG, aircraft parts and supplies **will not be accepted for carriage** (see Subsection 2.7 **and all “Y” packing instructions**).

Section 4

Table 4.2: Revise the entries as shown:

UN/ ID no.	Proper Shipping Name/Description B	Class or Div. (Sub Risk) C	Hazard Label(s) D	PG E	EQ see 2.7 F	Passenger and Cargo Aircraft			Cargo Aircraft Only		S.P. see 4.4 M	ERG Code N	
						Ltd Qty		Pkg Inst I	Max Net Qty/Pk g J	Pkg Inst K			Max Net Qty/Pkg L
						Pkg Inst G	Max Net Qty/Pkg H						
3248	Medicine, liquid, flammable, toxic, n.o.s.	3 (6.1)	Flamm. Liquid & Toxic D	II III	E2 E1	Y341 Y344 Y343	1 L 2 L	352 355	1 L 60 L	364 366	60 L 220 L	A3 A80	3P 3P

Section 5

Page 422 – Revise Packing Instruction 454 as shown:

Additional Packing Requirements

- each reel must be placed in a tightly closed metal or strong cardboard or fibreboard inner packaging with a cover held in place by adhesive tape or paper;
- packagings must meet Packing Group II performance standards;
- fibre drums (1G), plastic drums (1H2), plastic jerricans (3H2), fibreboard boxes (4G) and plastic boxes (4H1, 4H2) may only contain 600 m of film.

Single packagings are not permitted.

Page 422/423 – Revise Packing Instruction Y454 as shown:

Additional Packing Requirements

- each reel must be placed in a tightly closed metal or strong cardboard or fibreboard inner packaging with a cover held in place by adhesive tape or paper;
- fibre drums, plastic drums, plastic jerricans, fibreboard boxes and plastic boxes may only contain 600 m or 1 kg of film, whichever is the most restrictive, in one outer packaging.

Single packagings are not permitted.

COMBINATION PACKAGINGS		
UN Number	Total net quantity per inner packaging	Total net quantity per package
UN 1324, Films, nitrocellulose base	1.0 kg	10.0 kg

Page 428 – Revise packing instruction 459 as shown:

Single packagings are not permitted.

COMBINATION PACKAGINGS					
LIQUIDS					
UN Number	Inner Packaging (see 6.1)	Net quantity per inner packaging Passenger Aircraft	Net quantity per inner packaging Cargo Aircraft Only	Total net quantity per package Passenger aircraft	Total net quantity per package Cargo Aircraft Only
UN 3223	Plastic	0.5 L	1.0 L	5.0 L	10.0 L
UN 3225	Plastic	0.5 L	1.0 L		
UN 3227	Plastic	1.0 L	2.5 L	10.0 L	25.0 L
UN 3229	Plastic	1.0 L	2.5 L		

SOLIDS					
UN 3224	Plastic	0.5 kg	1.0 kg	5.0 kg	10.0 kg
	Plastic bag	0.5 kg	1.0 kg		
UN 3226	Plastic	0.5 kg	1.0 kg	5.0 kg	10.0 kg
	Plastic bag	0.5 kg	1.0 kg		
UN 3228	Plastic	1.0 kg	2.5 kg	10.0 kg	25.0 kg
	Plastic bag	1.0 kg	2.5 kg		
UN 3230	Plastic	1.0 kg	2.5 kg	10.0 kg	25.0 kg
	Plastic bag	1.0 kg	2.5 kg		

Page 446 – Revise Packing Instruction 487 as shown:

SINGLE PACKAGINGS

Type	Drums				Jerricans			Composites	Cylinders
Desc.	Steel	Aluminium	Plastic	Other metal	Steel	Aluminium	Plastic	Plastic	
Spec	1A1 1A2	1B1 1B2	1H1 1H2	1N1 1N2	3A1 3A2	3B1 3B2	3H1 3H2	All	As permitted in 5.0.6.6

Page 446 – Revise Packing Instruction 488 as shown:

SINGLE PACKAGINGS

Type	Drums				Jerricans			Composites	Cylinders
Desc.	Steel	Aluminium	Plastic	Other metal	Steel	Aluminium	Plastic	Plastic	
Spec	1A1 1A2	1B1 1B2	1H1 1H2	1N1 1N2	3A1 3A2	3B1 3B2	3H1 3H2	All	As permitted in 5.0.6.6

Section 10

Page 665 – Revise 10.0.1.4 as follows:

10.0.1.4 Exceptions

These Regulations do not apply to:

- (a) radioactive material implanted or incorporated into a person or live animal for diagnosis or treatment;
- (b) a person who has been subject to accidental or deliberate intake of or contamination from radioactive material and is to be transported for medical treatment, taking into account the necessary radiological protection measures with respect to other passengers and crew, subject to approval by the operator;

Note:

Guidance material may be found on www.icao.int/anb/fls/dangerousgoods

- (bc) radioactive material in consumer products which have received regulatory approval, following their sale to the end user;
- (ed) natural material and ores containing naturally occurring radionuclides, which are either in their natural state, or have only been processed for purposes other than for extraction of the radionuclides, and not intended to be processed for use of these radionuclides, provided the activity concentration of the material does not exceed 10 times the values specified in 10.3.2.1(b) or calculated in accordance with 10.3.2.2 to 10.3.2.5;
- (ee) non-radioactive solid objects with radioactive substances present on any surfaces in quantities not in excess of the limit specified in the definition of contamination in 40.3.6 Appendix A.

Appendix D.1

Page 766 – Insert row for Kosovo

Page 773 – Insert information for Kosovo as follows:

KOSOVO, REPUBLIC (KOS)

Civil Aviation Authority of the Republic of Kosovo
Sejdi Kryeziu St., No 3-5
Peyton Place
10000 Prishtina
Republic of Kosovo
Tel: +381 (0) 38 248 629
Fax: +38 1 (0) 38 211 009
Email: infocaa@caa-ks.org
Website: www .caa-ks.org

Page 767 – Insert “X” in column “D.1 Dangerous Goods” for Serbia

Page 776 – Insert information for Serbia as follows:

SERBIA (SRB)

Civil Aviation Directorate
Bulevar Zorana Djindjica 144
11070 Novi Beograd
SERBIA
Tel. + 381 11 292 71 69
Fax + 381 11 311 75 79
Email: dgca@cad.gov.rs

Appendix D.2

Page 790 – Replace the information for Serbia with the following:

SERBIA (SRB)

Serbian Radiation Protection and Nuclear Safety Agency
Vlajkovicева 3
11000 Belgrade
SERBIA
Tel. + 381 11 339 88 28
Tel. + 381 11 339 88 25

Pages 768, 779, 793 – Delete reference to Yugoslavia: