



**SUPPLEMENT TO THE IATA DANGEROUS GOODS REGULATIONS
42nd EDITION**

Effective July 1, 2001 – December 31, 2001

New or Amended State Variations:

AUG (Australia)

AUG-01 Replace text with: Dangerous goods requiring approval under Special Provisions A1 or A2 (Subsection 4.4) may only be carried on a passenger aircraft in Australian territory with the permission of the Civil Aviation Safety Authority (CASA). Applications for permission should be lodged with CASA at least ten days prior to the proposed flight.

AUG-02 Replace text with: Dangerous goods requiring approval under Special Provision A109 (Subsection 4.4) may only be carried on a cargo aircraft in Australian territory with the permission of the Civil Aviation Safety Authority (CASA). Applications for permission should be lodged with CASA at least ten days prior to the proposed flight.

CAG (Canada)

(Amend) Any request concerning the applicability of variations CAG-01, CAG-02, or CAG-03 must be addressed to:
Canadian Nuclear Safety Commission
Transportation Licensing Section
Materials Regulation Division
P.O. Box 1046
Ottawa, Ontario CANADA K1P 5S9
Facsimile: (613) 947-2054

CAG-02 Replace text with: „Type IP-1 and Type IP-2’ as prescribed in 10.5.10.9 for LSA material and SCO ‘not under exclusive use’ shall be replaced with ‘Type IP-3’“.

CAG-03 (Amend) Delete „Atomic Energy Control Board of Canada“ and replace with „Canadian Nuclear Safety Commission.“

CAG-04 (Amend) Replace with: In addition to the Transportation of Dangerous Goods Regulations and the ICAO Technical Instructions, the transportation by air of radioactive material to, from or within Canada is subject to the provisions of the Packaging and Transport of Nuclear Substances Regulations made by the Canadian Nuclear Safety Commission.

Requests for a copy of the Packaging and Transport of Nuclear Substances Regulations should be sent to:

Communications Division
Canadian Nuclear Safety Commission
280 Slater Street
P.O. Box 1046
Ottawa, Ontario
Canada K1P 5S9
Telephone 1-800-668-5284 (in Canada)
Fax: +1 (613) 992-2915
e-mail: **Fehler! Textmarke nicht definiert.**

CAG-05 (Amend) Renumber former CAG-04 as CAG-05.

CAG-06 (Amend) Renumber former CAG-05 as CAG-06 then: Delete telephone and fax numbers below first shown address. Also, delete all text of third paragraph beginning with „Where dangerous goods originating in Canada....“

CAG-07 (New) Dangerous goods requiring approval under Special Provisions A1 or A2 of the Technical Instructions may only be carried on a passenger or cargo aircraft to, from or within Canada with the approval of the Canadian authority for the air transport of dangerous goods.

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CAG-08 (New) Dangerous goods requiring approval under Special Provision A109, (Subsection 4.4) may only be carried on a cargo aircraft to, from or within Canada with the approval of the Canadian authority for the air transport of dangerous goods.

The Canadian authority for the air transport of dangerous goods for CAG-07 and CAG-08:

Chief, Dangerous Goods Standards
Transport Canada
Civil Aviation Directorate
Ottawa, Ontario
Canada, K1A 0N8
Facsimile: (613) 954-1602
Telephone: (613) 990-1060
E-mail: codej@tc.gc.ca

CHG (Switzerland)

CHG-03 (New) According to the „Radiological protection ordinance“ all transport of radioactive materials, except radioactive material in excepted packages from, to or in transit through Switzerland, is subject to a general authorization issued to the operator by the Federal Office of Public Health, Division of Radioprotection, 3003 Berne, Switzerland, Facsimile: +41 31 322 83 83. Further information may be obtained from Suva, B.J. Mueller, 6002 Lucerne, Switzerland, Telephone: +41 41 419 54 07, Facsimile: +41 41 419 62 13.

DEG (Germany)

DEG-01 (Amend) Delete all after **(2)**: Nature of contents & Package limits and (a),(b),(c) and (d).

ING (India) New

ING-A01 (New) The carriage of dangerous goods by air to, from, within or over India is prohibited unless authorised in writing by the Government of India. Normally, such authorisation is granted on application by:

The Director General of Civil Aviation
Block II and III (East)
R.K. Puram
New Delhi 110066
INDIA

In accordance with the principles governing the international transport of dangerous goods by air as contained in Annex 18 to the Convention on International Civil Aviation — The Safe Transport of Dangerous Goods by Air (see 1.2).

IRG (Islamic Republic Of Iran)

IRG-02 (New) In addition to the application of the regulations described in Table 9.3.A (II), packages containing divisions 6.1 from class 8 and divisions 4.1 from divisions 4.3 must be segregated from each other (See: 5.0.2.11, 9-9.3.2.1.1).

IRG-03 (New) Dangerous Goods which are Principally forbidden for air transport and are subject to special provisions of A1 or A2 and A109 (Subsection 4.4), may be imported to the IR of Iran subject to prior permission from Civil Aviation Organization of Iran.

Application for permission should be made at least 15 days prior to the proposed flight date and must be addressed to: (see: 1.3 and Appendix A).

NLG (Netherlands)

NLG-01 (Amend):
P.O. Box 10700 (changed from 1700)

OMG (United Arab Emirates) New

OMG-01 (New) On shipments to, from, within or transiting through the UAE, emergency response information, as described below, must be provided for all dangerous goods other than magnetized material and dangerous goods for which no Shipper's Declaration for Dangerous Goods is required.

Telephone number. The Shipper's Declaration for Dangerous Goods required by these Regulations must include a 24-hour emergency response telephone number (including area codes, and for international numbers for locations outside the UAE, the international access code and country and city codes are needed to complete the call from within the UAE), for use in the event of an incident involving dangerous good(s). The number must be monitored at all times by a person who:

- (1) is knowledgeable of the hazards and characteristics of the dangerous good(s) being transported;
- (2) has comprehensive emergency response and accident mitigation information for the dangerous good(s); or has immediate access to a person who possesses such knowledge and information.

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OMG-02 (New) Cargo Agents/Freight Forwarders accepting/processing dangerous goods for shipment by air must be continuously staffed by a minimum of two persons whose initial/recurrent dangerous goods training is current, such that the Competent Authority is then able to certify the agency concerned. Ground handling agents can only accept/process dangerous goods from cargo agents/freight forwarders so certified by the competent authority.

OMG-03 (New) Load planners, as an additional required category of personnel, must receive dangerous goods training equal to that required for flight crew members.

UKG (Ukraine) - New

UKG-01 (New) The exportation, importation and transit of all radioactive materials, without exceptions, are subject to the approval of the State Export Control Service of Ukraine and a decision from the Environmental Safety Ministry (State Nuclear Regulatory Administration of Ukraine). Any questions regarding this variation should be addressed to: State Export Committee of Ukraine, 19/21 Frunze Street, Kiev, 254080 UKRAINE, telephone/facsimile: 044-4624970 or State Nuclear Regulatory Administration of Ukraine, 9/11 Arsenaina Street, Kiev, 01011, UKRAINE, telephone: (044)-2944224, facsimile: (044) 2948895.

USG (United States)

USG-03 (Amend) For substances where A1 appears in column m of section 4.2, the substance may not be transported to, from, or within the United States aboard a passenger aircraft without the prior approval of the appropriate authority of the U.S. For substances where A2 appears in m of section 4.2, the substance may not be transported to, from, or within the United States aboard a passenger or cargo aircraft without the prior approval of the appropriate authority of the U.S. (See USG-01). For substances where A109 appears in column m of section 4.2, the substance may only be transported to, from, or within the United States aboard a cargo aircraft with the prior approval of the appropriate authority of the U.S. Oxygen generators, chemical, transported under UN3356 also require approval for transport by cargo aircraft.

USG-07 (Amend) Add „or other similar devices“ after „Lighters“ (cigarettes).

USG-08 (Amend paragraph (a))...except the word „Toxic“ or „Poison“ need not be....“.

(c) Replace with „Labeling: The package must bear the Poison Inhalation Hazard Label (see 49 CFR 172.429) or the Poison Gas Label (see 49 CFR 172.416) as appropriate.“

USG-12 (Amend last paragraph of (a)) Add „Consumer commodity“ between „Carbon Dioxide, solid“ and „Castor beans, flakes, meal or pomace“.

USG-13 (Amend paragraph (a)), delete „the operator also ensures that“ and add paragraph after (d) (3): Each package containing dangerous goods acceptable for cargo aircraft only must be loaded so that it is accessible during flight.

USG-15 (Amend) Fourth bullet point, change all wording within bullet after „USG-06“ with „and when loaded into a passenger-carrying aircraft or in an inaccessible cargo location of a cargo-only aircraft must be placed in an overpack conforming to the performance criteria of Air Transport Association (ATA) Specification 300 for Category I shipping containers.“

VCG (Sri Lanka) New

VCG-01 (New) No aircraft operator shall transport dangerous goods by air to, from or over Sri Lanka without explicit approval in writing from the Director General of Civil Aviation, Sri Lanka.

VCG-02 (New) Permission is usually granted for a specified period of time, subject to strict compliance with the ICAO Technical Instructions and any other conditions which the Director General of Civil Aviation deems necessary.

VCG-03 (New) Application for permission shall be made to the Director General of Civil Aviation, Department of Civil Aviation, 64, Galle Road, Colombo-03, Sri Lanka, Facsimile: 94-1-440231 or 94-1-424540, at least ten days before the date of the first flight on which dangerous goods are to be carried.

VCG-04 (New) Infectious substances, including diagnostic specimens and biological products, are not permitted in international mail either to or from Sri Lanka.

VCG-05 (New) English language shall be used for marking packages and overpacks.

VCG-06 (New) A brief text in the English language indicating the nature of the risk involved shall appear on all hazard labels.

VCG-07 (New) On shipments to, from or transiting through Sri Lanka, a 24-hour emergency response telephone number of a person who has all the information on the contents in the package (including access, country and city codes) must be provided on the Shipper's declaration form.

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New Or Amended Operator Variations

CM (Copa Airlines – Cargo) New

CM-01 (New) Explosives will not be accepted for carriage (see 3.1 and Packing Instructions 101-143) (Excepted: Explosives of Division 1.4S packed on passenger aircraft).

CM-02 (New) Division 2.1, Flammable Gas will not be accepted for carriage (see 3.2 and Packing Instructions 200-214).

CM-03 (New) Oxidizers and Organic Peroxides will not be accepted for a primary or subsidiary risk (see 3.5 and Packing Instruction 500-523) (Excepted: UN1072 Oxygen Compressed, with a subsidiary hazard).

CM-04 (New) Radioactive materials will not be accepted by carriage.

FX (Federal Express)

FX-12 (Amend) Add comma after „activity“. Replace „III“ with „YIII“.

GF (Gulf Air)

GF-05 (New) Overpacks will only be accepted provided all UN Specification Markings, UN Numbers, labels, and applicable special handling instructions appearing on interior packages are clearly visible from the outside of the over pack (see 5.0.1.5 & 7.1.4.1).

GF-06 (New) The Telephone number must be entered on the Shipper's Declaration for Dangerous Goods E.G. 24 Hours Emergency contact Telephone number for Shipper & Consignee on both Shipper's Declaration for Dangerous Goods & Airway Bill.

GF-07 (New) Fissile Radioactive Materials in any Quantity shall not be accepted for Carriage on GF services.

IR (Iran Air)

IR-04 (Amend) Carriage of all kinds of explosives on IRAN Air flights are strictly prohibited.

Exception: Cartridges for sporting purposes (in division 1.4S) with packing instruction 130 and UN 0012, will be acceptable as cargo:

Bullet text and reference stays as is.

JJ (Transportes Aéreos Meridionais) New

JJ-01 (New) Class 1, explosives, will not be accepted for carriage.

JJ-02 (New) Fuel products will not be accepted for carriage.

JJ-03 (New) The shipper's declaration for dangerous goods as defined in these regulations must include a 24 hour emergency response phone number.

JJ-04 (New) The following maximum loading limits for radioactive material will be applied:

1. Fokker 100 - 3 TI per hold.
2. Airbus 319 / 320 / 330 - 5 TI per hold.

KL (KLM)

KL-06 (Amend) Replace with: Not Used

KZ (Nippon Cargo Airlines)

KZ-06 (New) In the case of transfer, „photocopy of Dangerous Goods Shipper's Declaration“ will not be accepted. Necessary number of original Shipper's Declaration must be accompanied (see 8.1.2.3 Number of copies).

KZ-07 (New) Following metal-made single packagings without overpack when used for single packagings will not be accepted

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

(see 5.0.1.5 Overpacks).

MN (Comair (Pty) Limited) New

MN-01 (New) Dangerous goods, as defined by these regulations, will not be accepted for carriage, with the exception of those permitted for passengers and crew (see table 2.3.A).

PZ (Transportes del Mercosul) New

PZ-01 (New) Class 1, explosives, will not be accepted for carriage.

PZ-02 (New) Fuel products will not be accepted for carriage.

PZ-03 (New) The shipper's declaration for dangerous goods as defined in these regulations must include a 24 hour emergency response phone number.

PZ-04 (New) The following maximum loading limits for radioactive material will be applied:

1. Fokker 100 - 3 TI per hold.
2. Airbus 319 / 320 / 330 - 5 TI per hold.

PR (Philippine Airlines)

PR-01 (Amend) The following dangerous goods under Class I – Explosives, Division 1.4S is acceptable to Philippine Airlines for air carriage:

- UN 0012 – Cartridges for weapons, inert projectile
- UN 0012 – Cartridges, small arms
- UN 0014 – Cartridges for weapons, blank
- UN 0014 – Cartridges, small arms, blank
- UN 0044 – Primers, cap type
- UN 0055 – Cases, cartridge, empty, with primer
- UN 0323 – Cartridges, power device
- UN 0405 – Cartridges, signal

All other text stays as is except the following:

VP – Safety & Environment Department
Philippine Airlines
Intermediate Level, South Wing
Centennial Terminal 2, NAIA
1300 Pasay City, Metro – Manila
Philippines
Tel: +63 (2) 833 3862/879 5714
Fax: +63 (2) 831 1810
Telex: MNLNWPR
Email: **Fehler! Textmarke nicht definiert.**

TN (Air Tahiti Nui) New

TN-01 (New) All FRG (France), JPG (Japan) and USG (United States) State Variations are applicable on TN flights regardless of flight's origin and destination.

TN-02 (New) Shipments under state approval in accordance with Special Provisions A1 or A2 are not accepted.

TN-03 (New) Cylinders of Oxygen, compressed (UN 1072), either as cargo or (for medical use only) as baggage, are accepted only if contained in a fire resistant outer packaging meeting ATA 300 Type I shipping container specification or equivalent.

New Or Amended IATA Endorsed Training Schools.

- Pg. 766 Delete – Centre de Conformité International ICC
- Pg. 767 Delete – International Compliance Center Ltd (Ontario)
- Pg. 771 Delete – International Compliance Center Ltd (New York)
- Pg. 771 Delete – International Compliance Center Ltd (Texas)

General Amendments:

Subsection 4.1

Table 4.1.A (Pg. 99)
Add ☒ to all Radioactive PSN's in Table 4.1.A

Subsection 4.2

Pg#	UN Number	Amendment																												
107 and 221	0503	The word „ pyrotechnic “ must be bold.																												
125	1694	ERG code for 1694 (shaded – both entries) should be 6i.																												
128	1407 (New)	Add the following:																												
		<table border="1"> <thead> <tr> <th>A</th> <th>B</th> <th>C</th> <th>D</th> <th>E</th> <th>F</th> <th>G</th> <th>H</th> <th>I</th> <th>J</th> <th>K</th> <th>L</th> <th>M</th> <th>N</th> </tr> </thead> <tbody> <tr> <td>1407</td> <td>Caesium</td> <td>4.3</td> <td></td> <td>Dang. when wet</td> <td>I</td> <td></td> <td></td> <td>Forbidden</td> <td></td> <td>412</td> <td>15Kg</td> <td></td> <td>4W</td> </tr> </tbody> </table>	A	B	C	D	E	F	G	H	I	J	K	L	M	N	1407	Caesium	4.3		Dang. when wet	I			Forbidden		412	15Kg		4W
A	B	C	D	E	F	G	H	I	J	K	L	M	N																	
1407	Caesium	4.3		Dang. when wet	I			Forbidden		412	15Kg		4W																	
133	(New)	Add cross-reference next to the ☒ symbol, following UN3078 for Cesium (Deleted). „See Caesium (UN1407)“.																												
139	1139	Delete „A47“ in column M.																												
145 and 146	8001	Delete „9“ in Column C and „Miscellaneous“ in column E.																												
181 and 182	3091	Add A8 to both entries in column M.																												
184	1945	Add A125 to column M.																												
187	1230	Remove toxic label in column E.																												
196	3270, 2557, 2556 and 2555	Add A57 to shaded column (M).																												
201	3280	Delete „toxic“ in column B of both entries.																												
201	3282 & 3280 (liquid)	Delete A6 from column M - shaded.																												
203	1263	Paint - Add ☒ to the first entry and add ☐ and shading to the second entry.																												
203	1263	Paint related material - Add ☒ to the first entry and add ☐ and shading to the second entry.																												
212	1210	Delete entry in its entirety.																												
213	1210	Add ☒ beside 1210 – Printing Ink – flammable.																												
216	3324 & 3326	Add „& fissile“ to column E for both entries.																												
216	2913	Delete „& fissile“ in column E – shaded.																												
216	2910	Add A130 in column M of shaded 2910 and delete for 2910 unshaded area and replace with A78 and A98.																												
221	3268	Add ☒ to the first 3268 and add ☐ and shading to the second entry.																												

Subsection 4.4 Special Provisions

A78, A79, A98 (Pg. 277 & 278) - Add ☒ to first entry and add ☐ and shading to second entry.
Additional Amendment for A78 (second entry): Change reference in (b) from 10.8.3.9.2(c) to 10.8.3.9.2(b).

A87 (Shaded) (Pg. 277) – Amend Paragraph: Articles which are not fully enclosed by packaging, crates or other means that prevent ready identification are not subject.....

Subsection 5.1

PI 209 (Pg. 312) - Add as 2nd paragraph: Packagings must meet Packing Group II performance standards.

Subsection 5.8

PI 817 (Pg. 462) - Add UN1829 as per table:

INNER PACKAGINGS						
Desc.	Glass, Earthenware	Plastic	Metal (not aluminium)	Aluminium	Glass ampoule	PPR (see below)
UN1829	1.0	1.0	1.0	F	0.5	5

Subsection 6.0

6.0.4.2 (d) (Pg. 499)

Sentence beginning with „for packagings intended to contain solids....“ should be indicated as **(e)**. Subsequent paragraphs should be re-numbered accordingly. (e.g. Paragraph beginning with „followed by, for single packagings intended to contain....“ should become **(f)** and so on).

Further to this correction, cross references must be changed in section 6.0.5 and 6.0.7 accordingly.

6.0.7 (Pg. 501)

Below subparagraph (d), section beginning „for packagings intended to contain solids or inner packagings...“ should be indicated as subparagraph (e). Subsequent subparagraphs should be renumbered accordingly from (f) to (j), and cross references changed accordingly.

Subsection 7.2

7.2.6.2.2 (Pg. 525) - Delete last sentence.

7.2.6.2.3 (Pg. 525) - Change „should“ to „must“.

Subsection 7.3

Figure 7.3.H (Pg. 530) – The flammable liquid label figure must have an inner border. (c.f. 7.3.I)

Subsection 8.1

8.1.6.9.1 (Pg. 540)

Step 2: Add ☒ to second paragraph.

Step 5: Amend last sentence: In the case of substances to which Special Provisions A63 or A127 apply, a Class 3 subsidiary risk must be indicated.

8.1.6.9.2 (Pg. 540) (g) Add ☐ symbol to paragraph.

Subsection 9.2

9.2.1.1.1 (b) (Pg. 563) Replace „1 µSv“ with „1 mSv“.

9.2.1.2.3 (Pg. 563): Last sentence amend: replace „10.9.2“ with „10.6.2.4“.

Subsection 9.3

9.3.8.1: (Pg. 565)

Amend second to last sentence: The primary and secondary hazard class(es)

9.3.10.1.1: (Pg. 565)

Amend: Radioactive material must be segregated sufficiently from workers such that workers in regularly occupied ~~working~~ work areas do not receive a dose in excess of 5 mSv in a year.

9.3.10.3.2: (Pg. 566)

Amend: Any package or overpack having ~~either~~ a transport index greater than 10 shall be transported only under exclusive use.

Appendix E

(Pg. 661)

Denmark (DK) correction as follows:

Tel: +45 (3) 618 6000

Fax: +45 (3) 618 6001

~~Telex: 27096~~

Tty: CPHQGSK

E-mail: **Fehler! Textmarke nicht definiert.**

Appendix G

10.3.7.2.1 (a) (Pg. 710)

Delete „provided that the smallest external dimension of each package is not less than 100mm (4in)“.

Table 10.4.A (Pg. 712) Amend heading to include units as follows:

Radionuclide ^a	Element (Atomic No)	A ₁ (Special Form) TBq	A ₂ (Other Form) TBq	B _q /g Activity concentration for exempt material	B _q Activity limit for an exempt consignment
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Table 10.4.A (Pg. 715) Hg203 „Change „45“ to „5“ in Column A₁.

Table 10.4.B (Pg. 724) - Delete Note after table.

10.5.8.2 (Pg. 726) - Reference for Type C should be 10.5.14.

10.5.17.4 (Pg. 731)

Amend paragraph: „Packages and overpacks must be assigned to Category I-White, II-Yellow or III-Yellow in accordance with Table ~~10.5.E~~ 10.5.F and 10.5.17.5 through 10.5.17.10.

Table 10.5.E (Pg. 731) - Delete table.

Table 10.5.F (Pg. 599)

Add Table 10.5.F from Pg. 599 to Pg. 731.

10.6.1.1.10.2(b) (Pg. 733) - Amend reference to 10.6.3.4.3.

10.6.2.1.1 (Pg. 733)

Add: Type A packages must be designed to meet the requirements of 10.5.3 and 10.6.2.1.1.1 to 10.6.2.1.1.6, 10.6.2.1.2, 10.6.2.1.3 and 10.6.2.1.4.

10.6.2.1.2.5 (Pg. 734) - Change 25 kPa to 60 kPa in first sentence.

10.6.2.2.1 (Pg. 734) - Add cross reference 10.5.3 before other cross references.

10.8.3.9 (Pg. 748)

Amend: Each sequence of information must be clearly separated or identified with no additional information interspersed.

10.8.4.1 (Pg. 749)

Amend example: Radioactive material Type A n.o.s., ~~UN2982~~ UN2915, Sr 90 metal solid, 1.48 GBq, Am 241 metal solid, 74 MBq, III -Yellow, TI 0.2, Dimensions 20 x 20 x 20 cm, All packed in one Type A package.

Figure 10.8.C (Pg. 752).

Amend: „~~NON-RADIOACTIVE~~“ should be crossed out and „RADIOACTIVE“ should not be crossed out.

10.8.6.4 (Pg. 755) – Amend Second Bullet: ■ Fissile Material package shipment approval certificate is required for each package containing fissile materials if the sum of the ~~transport criticality safety~~ indexes of the individual package exceeds 50 as provided in 9.3.10.5.2.

10.10.3.2.4 (Pg. 758)

Amend: Each Type C package design requires unilateral approval, i.e. approval by the competent authorities of the State of origin only, except that:

- a) a Type C package design for fissile material, which is also subject to 10.6.2.4.1 shall require multilateral approval; and
- b) a Type C package design for low dispersible radioactive material shall require multilateral approval.

Questions/Comments:

Mr. Neil McCulloch
Senior Manager, Cargo Safety & Dangerous Goods
IATA.

E-mail: **Fehler! Textmarke nicht definiert.**

Tel: (514) 874-0202 ext. 3524