



6th Edition (2010)

Addendum/Corrigendum I

Revision – 17-May, 2010

Dear A.I.R. Shipper User,

Occasionally, modifications are made to regulations after the manual is printed. While every effort is made to include all intended changes into the manual, this is not always possible.

This Addendum/Corrigendum includes changes notified after the manuscript had been sent to press including state and airline variations.

We will continue to bring updates to you, if necessary.

Author, A.I.R. Shipper 2010

Dangerous Goods List (Table 3.1)

(1) UN No	(2) Proper Shipping Name (description)	(3) T	(4) Class.	(5) PG	(6) SP	(7) Excepted Quantity max/IP max/pkg		(8) Limited Quantity PI max/pkg		(9) Passenger A/C PI max/pkg		(10) Cargo A/C PI max/pkg		(11) Variations
						30 mL	500 mL	Y808	0.5 L	808	1 L	812	30 L	
1779	Formic acid with not more than 85% acid, by mass		8	II		30 mL	500 mL	Y808	0.5 L	808	1 L	812	30 L	
3399	Organometallic substance, liquid, water reactive, flammable	T	4.3 (3)	I		Forbidden		Forbidden		Forbidden		409	1 L	
				II		30 mL	0.5 L	Forbidden		409	1 L	431	5 L	
				III	A3	30 mL	1 L	Forbidden		431	5 L	432	60 L	
3356	Oxygen generator, chemical including when contained in associated equipment e.g. passenger service units (PSUs), portagale breathing equipment (PBE), etc.		5.1	II	A1, A111, A116, A144	Forbidden		Forbidden		Forbidden		523	25kg ^E	BR.1, USA.3, FX.6
3463	Propionic acid with not less than 90% acid, by mass		8 (3)	II		30 mL	0.5 L	Y808	0.5 L	808	1 L	812	30 L	
									1.5 L					

List of UN Numbers (Table 3.2)

UN	Proper Shipping Name (See Table 3.1 for psn description)	T	Class'cation	EQ	PAX	CAO	ERG
1230	Methanol		3 (6.1)				3 ^L
3090	Lithium metal batteries		9				9W
3091	Lithium metal batteries contained in equipment Lithium metal batteries packed with equipment		9				9W

Combination Packaging–Outer (Page 361)

Material Type	Metal			Plastic		Wood			
	Steel	Al	Other	Expand	Solid	Fibre	Plywood	Recon	Natural
Drums	✓	✓	–	–	✓	✓	✓	–	–
Jerricans	✓	✓	–	–	✓	–	–	–	–
Boxes	✓	✓	–	–	✓	✓	✓	✓	✓

Table 6.1: Summary of Packagings Currently used in Air Transport (Page 444)

Type	Material	Code	Category	Max Capacity(L)	Max Net Mass(kg)
Jerricans		3B2	removable head	60	120
Jerricans	Plastic	3H1	jerricans, non-removable head	60	120
Jerricans		3H2	jerricans, removable head	60	120

(Pages 485 through 614):

Page	Section	Amendment
422	PI 968	Update airline variations list at the end of the packing instructions as follows: <i>Airline:</i> Not accepted on passenger aircraft – BA.7, CO.1, CS.1, CZ.7, FX.1 , FX.2 , NW.7
485	7.6.2.2	Add the new sentence and the subsequent paragraph as follows: 7.6.2.2 Wheelchairs or other mobility aids , for use by passengers whose mobility is restricted by either a disability, their health or age, or a temporary mobility problem such as a broken leg. ...where feasible... (c) with lithium-ion batteries, provided the batteries are of a type permitted by packing instruction 065, the battery terminals are protected from short circuits, the battery is securely attached to the wheelchair/mobility aid. The airline must load such that unintentional activation and damage by the movement of other cargo is prevented.
606	D.5	Multiple Overpacks: Delete notes 1 through 3: <ol style="list-style-type: none"> 1) Proper shipping name includes the description “flammable”, (XB.1) 2) 5 overpacks, each containing 200 boxes, each containing 9kg of aerosols. 3) An overpack identification mark is required (KAN1 etc.) and the total quantity of dangerous goods being offered is also needed. These assist the airline in efficiently transporting the consignment, (XB.7)
614		Delete Graphic P.2 Limited Quantities

Airline Variations – Appendix A.1.2

Page	Section	Amendment
567	5X	Add the following new variation: 5X.5 To maintain compliance with USA.18, all packages containing the following dangerous goods must comply with 49CFR 173.302(f) and 173.304(f) and be marked with the text DOT31FP. Nitrous oxide (UN 1070), Oxygen, compresses (UN 1072), Nitrogen trifluoride (UN 2451), Compressed gas, oxidizing, n.o.s. (UN 3156), Liquefied gas, oxidizing (UN 3157), Oxygen generator (UN 3346) and Carbon dioxide and oxygen mixture, compressed.
568	8V	Add the following new variation: 8V (Astral Aviation) 8V.6 The dangerous goods transport document must include a 24 hour emergency telephone number. Interline transfer of dangerous goods will only be accepted if accompanied by a copy of the original dangerous goods checklist.
568	AA.1	Add the following new variation: The following dangerous goods consignments will not be accepted: Division 2.2(5.1) gases except when offered as COMAT in DOT31FP compliant containers.

568	AF.8	Replace paragraph with the following: AF.8 Patient specimens will only be accepted if assigned to UN 2814 or UN2900. These specimens are not permitted in baggage. Prior written approval from Air France is required for the acceptance of Biological substance, category B, UN 3373.
569	AR.1	Add a second bullet with Airmail under Excepted quantities.
569	AR.9	Add the following new variation: AR.9 Division 2.2 gases will not be accepted in baggage Small oxygen or air cylinders will only be accepted in checked baggage if empty. Blood products for transfusion and biological specimens will only be accepted as cargo. Radioactive material will only be accepted if the transport index is less than 3.0. Wheelchairs/mobility aids will only be accepted if the battery is removed. Spillable batteries will only be accepted as cargo.
570	BD.9	Remove the entire BD (bmi) and BD.9 section
571	CA.1	Add the following new bulleted points right after the heading "The following dangerous goods consignments will not be accepted:" <ul style="list-style-type: none"> • Class 1 explosives other than division 1.4S; • Division 2.3 gasses other than aerosols; • Division 6.1 packing group I toxic substances; • Division 6.2, category A infectious substances except when transport under the requirements of the Ministry of Health for China, the CDC of China or the Ministry of Forests; • Class 7 III-Yellow, radioactive material, in type B or type C packaging;
571	CA.5	Add the following variation: CA.5 Single and composite packagings containing liquid dangerous goods must be overpacked.
571	CA.9	Add following variation: CA.9 Oxygen or air cylinders for medical use will not be accepted in passenger checked or carry-on baggage.
571	CI.1	Add the following bulleted item to the top of the list: <ul style="list-style-type: none"> • Chemical oxygen generators, UN 3356, except as company materials;
572	CX.3	Add the highlighted text to paragraph: The following packagings will only be accepted if contained in a strong overpack which protects the top and bottom of the packaging: 1A1, 1A2, 1B1, 1B2, 1N1, 1N2, 6HA1, 6HB1.
573	DL.5	Add these new variations to DL (Delta Airlines): DL.5 All packed in one consignments will not be accepted if overpacked DL.6 All packed in one consignments containing an acid and a hydroxide must include the following statement on the dangerous goods transport document: "This shipment complies with 5.0.211, the acid and the hydroxide, if mixed will not react dangerously."
574	FX.5	Add the following exception to the bottom of the list: e) In the case of liquids in classes 3, 4.2, 5 and 8, on International Economy and International Economy Freight, the dangerous goods must be packed in "V" rated packaging.
576	IG	Add the following airline and variations to the top of the page: IG (Meridiana) IG.1 The following dangerous goods will not be accepted: <ul style="list-style-type: none"> • Class 1 explosives except 1.4S UN 0323. Ammunition for sporting purposes will only be carried in checked baggage. IG.9 Dry ice is limited to 200kg per hold.
577	KA.3	Add the following as the second paragraph: Dangerous goods in metal drums and 6HA1 and 6HB1 composite packagings must be overpacked so as to protect the top and bottom of the packaging.

578	KC	<p>Add the following airline and variations before KE (Korean Airlines):</p> <p>KC (Air Astana)</p> <p>KC.1 Following dangerous goods will not be accepted:</p> <ul style="list-style-type: none"> • Class 1 explosives • Class 7 radioactive material • Infected animals, alive or dead <p>KC.2 Consignments must be delivered so as to permit all appropriate checks and documentation procedures to be completed.</p> <p>KC.4 All labels must contain the appropriate hazard text</p> <p>KC.5 Single packagings of liquid dangerous goods must be overpacked to protect the top and bottom of the packaging.</p> <p>KC.6 The dangerous goods transport document must include a 24 hour emergency telephone number. The air waybill must include the telephone number of the consignee. Interline transfer of dangerous goods will only be accepted if accompanied by a copy of the original dangerous goods checklist.</p>
579-580	LA	<p>Make the following changes to LA (Lan Chile Airlines)</p> <p>LA.1: Delete all of LA.1</p> <p>LA.2: Add the following text as the 1st paragraph below “Advance arrangements are required for consignments of excepted quantities.” Prior approval will only be accepted by prior review and approval from the LAN Dangerous Goods Technical Committee</p> <p>LA.6: Delete all of LA.6</p> <p>LA.7: Delete all of paragraph a), Delete all of paragraph f)</p> <p>Add the highlighted text to paragraph i) number 3) Inner packagings IP.1, IP.2 and IP.8 will not be accepted.</p> <p>Delete all of paragraph i) number 4).</p>
581	LD.3	<p>Add the highlighted text to the end of the paragraph:</p> <p>Dangerous goods in metal drums and 6HA1 and 6HB1 composite packagings must be overpacked so as to protect the top and bottom of the packaging.</p>
584	MS.1	<p>Please make the following changes to the bullets in MS.1 so they look exactly as follows (“Excepted quantities originating in Egypt” will be deleted):</p> <ul style="list-style-type: none"> • Infected animals (alive or dead) • Airmail.
584	MS.2	<p>Add the following variation as follows:</p> <p>MS.2 Advance arrangements are required. Prior notification of at least 48 hours is required for all types of radioactive material. If the shipment does not clear customs within 7 days, it will be returned to the consignor at their expense.</p>
584	MS.6	<p>Add the following text:</p> <p>c) Where there is doubt as to the classification of a consignment, the consignor must provide and MSDS identifying the classification or a declaration on company letterhead identifying the classification and explicitly accepting full liability.</p>
584	MX.1	<p>Modify the following classes to read as follows:</p> <ul style="list-style-type: none"> • Class 3 flammable liquids in packing group I; • Class 4 flammable solids in packing group I; • Class 5 oxidizers and organic peroxides in packing group I; • Class 7, radioactive material except if for medical diagnosis, research, treatment, and analysis and where the Transport Index does not exceed 1.0;
584	NF	<p>Add the following section and text after section MX:</p> <p>NF (Air Vanuatu)</p> <p>NF.1 Radioactive material (Class 7) including excepted materials, will not be accepted.</p>
585	NW	<p>Make the following changes to NW (Northwest Airlines):</p> <p>NW.1 Change first sentence to the following: Dangerous goods will not be accepted other than dry ice (UN 1845) or Company materials. (Delete the bulleted points)</p> <p>NW.2 Delete all of NW.2</p> <p>NW.6 Delete all of NW.6</p>

		NW.7 Delete all of NW.7
586	PS	Add the following section and text after Section PR: PS (Ukraine International Airlines) PS.9 Radioactive material (Class 7) other than excepted, will not be accepted on passenger aircraft.
586	PX.1	Add a second bullet point above Consolidations to read: <ul style="list-style-type: none"> Limited quantities
587	QR	Add the following section and text after section QF: QR (Qatar Airways) QR.1 The following dangerous good consignments will not be accepted: <ul style="list-style-type: none"> Airmail QR.9 Carbon dioxide solid (UN 1845) is limited to 200 kg per aircraft hold.
588	SV.1	Delete "Salvage packings;" from the bulleted dangerous goods
588	SV.5	Delete all of section SV.5
588	SV.9	Add the following text as paragraph 2: Salvage packagings require prior approval from the Cargo Operations Control Centre. Edit Paragraph 3 to read as follows: Maximum net weight of dry ice for loading is 200 kg per hold of a passenger aircraft.
590	UA.1	Delete the 1 st bullet point that reads: "Excepted quantities;" Modify the 2 nd bullet point to read as follows: <ul style="list-style-type: none"> Toxic Substances (Division 6.1), primary or subsidiary including excepted quantities; Delete the 7 th bullet point that reads: "Consolidations containing dangerous goods except;" and all the sub bulleted points below it. Delete all of UA.6 Delete all of UA.7
592	XK.1	Modify all of XK.1 to read as follows: The following dangerous goods consignments will not be accepted: <ul style="list-style-type: none"> Limited quantities; Explosives (Class 1), except 1.4S; (All other bullet points should be deleted)