



**OPERATIONS MANUAL**  
**Parte A – General / Basic**

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**A. Table of Provisions related to dangerous goods transported by passengers or crew**

**Table 8-1. Provisions relating to dangerous goods carried by passengers or crew**

<i>dangerous goods yes</i>	<i>Location</i>		<i>Is required approval of explosive</i>	<i>restrictions</i>
	<i>Luggage invoiced</i>	<i>Luggage of hand</i>		
<b>batteries</b>				
1) Lithium batteries (including portable electronic devices)	Yes  [except g and h]	Yes	[see c) and d)]	<p>a) Batteries must be of a type that meets the conditions of each of the tests <i>Manual of Tests and Criteria</i> of the United Nations, part III, subsection 38.3;</p> <p>b) no battery shall exceed the following:</p> <ul style="list-style-type: none"> <li>— for lithium metal batteries, a lithium content of 2 grams; either</li> <li>— for lithium ion batteries, a nominal capacity of 100 Wh;</li> </ul> <p>c) each battery may have a nominal capacity of more than 100 Wh but not more than 160 Wh for lithium ion with the approval of the operator;</p> <p>d) each battery may have a content of more than 2 grams, but not more than 8 grams of lithium metal for portable electronic devices for medical use with the approval of the operator;</p> <p>e) batteries installed in portable electronic devices should be transported as carry-on baggage; however, if transported as checked baggage:</p> <ul style="list-style-type: none"> <li>— measures must be taken to prevent accidental activation and to protect the apparatus from damage; Y</li> <li>— devices have to be completely turned off (not in sleep or hibernation mode);</li> </ul> <p>f) Batteries and heating elements must be insulated in portable electronic devices capable of generating extreme heat that could cause a fire if activated by removing the heating element, battery or other component;</p> <p>g) spare batteries, including power banks:</p> <ul style="list-style-type: none"> <li>— must be transported as hand baggage; Y</li> <li>— must be individually protected to prevent short circuits (by placing them in their original retail packaging or otherwise insulating the terminals, e.g. by taping exposed terminals or placing each battery in a plastic bag or protective sleeve);</li> </ul>



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	Classification		Is required approval of explosive	restrictions
	Luggage invoiced	Luggage of hand		
<i>dangerous goods yes</i>				
h) baggage equipped with lithium batteries that exceed the following:  — for lithium metal batteries, a lithium content of 0.3 grams; either  — for lithium ion batteries, a nominal capacity of 2,7 Wh, must be carried as carry-on baggage, except when batteries are removed from baggage, in which case batteries must be carried in accordance with g);  i) no more than two spare batteries meeting the requirements of c) or d) may be transported per person.				
2) Accumulators/batteries liquid-storable electrolyte, batteries of metallic, and dry batteries	Yes	Yes	Not	<p>a) for non-spillable accumulators/batteries:</p> <p>i) the conditions of Special Provision A67 must be satisfied;</p> <p>ii) each accumulator must have a voltage of not more than 12 volts and a nominal capacity of not more than 100 Wh;</p> <p>iii) each accumulator must be protected against short circuits by effectively insulating the exposed terminals; Y;</p> <p>iv) no more than two spare batteries per person may be transported; Y</p> <p>v) if installed in equipment, the equipment must be protected against accidental activation, or each accumulator must be disconnected and exposed terminals must be insulated;</p> <p>b) for dry batteries or nickel-metal hydride batteries, each battery must comply with Special Provision A123 or A199, respectively; Y</p> <p>c) Batteries and heating elements must be isolated in battery-powered equipment capable of generating extreme heat by removing the heating element, battery or other components.</p>
3) Portable electronic smoking devices, powered by batteries (such as electronic cigarettes/cigars, electronic pipes, personal vaporizers, electronic systems nicotine administration)	Not	Yes	Not	<p>a) if powered by lithium batteries, each battery must meet the restrictions of 1) a), b), and g);</p> <p>b) devices and/or batteries must not be recharged on board the aircraft; Y</p> <p>c) measures must be taken to prevent accidental activation of the heating element when on board aircraft.</p>



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<i>dangerous goods yes</i>	<i>classification</i>		<i>Is required approval of operations</i>	<i>restrictions</i>
	<i>Luggage invoiced</i>	<i>luggage of hand</i>		
<p>4) Motor aids (eg, chairs wheel) powered by:</p> <ul style="list-style-type: none"> <li>- batteries/accumulators spillable;</li> <li>- batteries/accumulators non-spillable liquid electrolyte;</li> <li>- dry batteries;</li> <li>- nickel-hydrate batteries or metallic; either</li> <li>- lithium ion batteries</li> </ul>	Yes	[see ...]	Yes	<p>a) for use by passengers with restricted mobility due to either disability, their state of health or age, or a temporary mobility problem (eg broken leg);</p> <p>b) passengers should make advance arrangements with each operator and provide information on the type of battery installed and handling of the mobility aid (with instructions for isolating the battery);</p> <p>c) in the case of dry batteries or nickel-metal hydride batteries, each battery must comply with Special Provision A123 or A199, respectively;</p> <p>d) in the case of non-spillable liquid electrolyte batteries/accumulators:</p> <ul style="list-style-type: none"> <li>i) each battery must comply with Special Provision A67; Y</li> <li>ii) a maximum of one spare battery may be carried per passenger;</li> </ul> <p>e) in the case of lithium ion batteries:</p> <ul style="list-style-type: none"> <li>i) the batteries must be of a type that satisfies the conditions of each of the tests of the <i>Manual of Tests and Criteria</i> of the United Nations, Part III, subsection 38.3;</li> <li>ii) when the mobility aid does not provide adequate protection to the battery: <ul style="list-style-type: none"> <li>- the battery must be removed according to the manufacturer's instructions;</li> <li>- the battery must not exceed 300 Wh;</li> <li>- the battery terminals must be protected against short circuits (by insulating the terminals, eg by covering exposed terminals with adhesive tape);</li> <li>- the battery must be protected from damage (eg by placing it individually in a protective case); Y</li> <li>- the battery must be transported in the cabin;</li> </ul> </li> <li>iii) a maximum of one spare battery not exceeding 300 Wh or two spare batteries not exceeding 160 Wh each may be transported. Spare batteries must be carried in the cabin.</li> </ul>



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dangerous goods yes	classification		Is required approval of explosive	restrictions
	luggage invoiced	luggage of hand		
<b>Flame and fuel sources</b>				
5) Cigarette lighters A small pack of matches of security	Not	[see b)]	Not	a) no more than one per person; b) must be transported on the person; Y c) must not contain unabsorbed liquid fuel (other than liquefied gas); Y d) if the cigarette lighter is powered by lithium batteries, each battery must meet the restrictions of 1) a), b) and g), and 3) b) and c).
6) Alcoholic beverages containing 24% but less than 70%, in alcohol no more volume,	Yes	Yes	Not	a) they must go in retail packaging; Y b) total net quantity of no more than 5 L per person. <i>Note.— Alcoholic beverages containing less than 24% alcohol by volume are not subject to any restrictions.</i>
7) Internal combustion engines or fuel cells motors	Yes	Not	Not	Steps must be taken to nullify the hazard. See Special Provision A70 for more information.
8) Fuel cells containing no fuel you	Not	Yes	Not	a) fuel cell cartridges may only contain flammable liquids, corrosive substances, flammable liquefied gases, reactive substances with water or hydrogen in metal hydrides;
Spare cartridges for fuel cells of	Yes	Yes	Not	b) the refilling of fuel cells on board the aircraft is not allowed, except when it comes to the installation of a spare cartridge; c) the maximum amount of fuel in each fuel cell or fuel cell cartridge must not exceed: — 200 mL for liquids; — 200 grams for solids; — 120 mL for liquefied gases in the case of non-metallic fuel cell cartridges or 200 mL for fuel cells or metallic fuel cell cartridges; Y — for hydrogen in metal hydrides, fuel cells or fuel cell cartridges must have a maximum water capacity of 120 mL; d) each fuel cell and fuel cell cartridge must comply with IEC 62282-6-100 Ed. 1 including Amendment 1 and must bear the manufacturer's certification mark to indicate compliance with the specification. In addition, each fuel cell cartridge must be marked with the maximum amount and type of fuel in the cartridge;





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	Luggage invoiced	Luggage of hand		
<i>dangerous goods yes</i>				
				<p>e) fuel cell cartridges containing hydrogen in metal hydrides must comply with the conditions of Special Provision A162;</p> <p>f) no more than two spare fuel cell cartridges may be carried per passenger;</p> <p>g) fuel cells containing fuel are allowed in carry-on baggage only;</p> <p>h) Interaction between fuel cell systems and batteries integrated into an apparatus must be in accordance with IEC 62282-6-100 Ed. 1 including Amendment 1. Fuel cells whose sole function is to charge a battery in the device are not allowed;</p> <p>i) Fuel cells must be of a type that cannot be used to charge batteries when the portable electronic device is not in use and must bear a durable manufacturer's marking: "APPROVED FOR CARRIAGE IN THE AIRCRAFT CABIN ONLY" (APPROVED FOR CARRIAGE IN AIRCRAFT CABIN ONLY), to indicate so; Y</p> <p>j) in addition to languages that may be required by the State of origin in the specified marks, English should be used.</p>
<b>Gases in cylinders and cartridges</b>				
9) Oxygen or air cylinders required for medical use	Yes	Yes	Yes	<p>a) not more than 5 kg of gross mass per cylinder;</p> <p>b) cylinders, valves and regulators, when there are, they must be protected to avoid the damage that the inadvertent release of the content can cause;</p> <p>c) advance arrangements are recommended; Y</p> <p>d) the pilot-in-command must be informed of the number of oxygen or air cylinders loaded on board and their location in the aircraft.</p>
10) Cartridges Division 2.2 to activate extreme des mechanics	Yes	Yes	Not	Spare cartridges of similar size are also allowed, when necessary, to ensure a sufficient supply throughout the trip.
11) Hydrocarbon gas cartridges contained in with hair styling devices	Yes	Yes	Not	<p>a) no more than one per person;</p> <p>b) the safety cover must be installed so that it covers the heating element; Y</p> <p>c) Spare cartridges must not be transported,</p>
12) Cartridges Division 2.2 no secondary hazard placed self-inflating personal safety nal and device that the person provides use, as and for a life jacket	Yes	Yes	Yes	<p>a) no more than two personal security devices per person;</p> <p>b) personal safety devices must be packed in such a way that they cannot be activated accidentally;</p> <p>c) must be for the devices to inflate;</p>



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<i>dangerous goods yes</i>	<i>classification</i>		<i>is required approval of explosive</i>	<i>restrictions</i>
	<i>Luggage invoiced</i>	<i>luggage of hand</i>		
				d) no more than two cartridges contained in each device; Y e) no more than two spare cartridges per device.
13) Cartridges of the Division 2.2 no secondary that is not NO hazard for safety devices eg staff self-inflating	Yes	Yes	Yes	a) no more than four cartridges per person; Y b) the water capacity of each cartridge must not exceed 50 mL. <i>Note.— For carbon dioxide, a gas cartridge with a 50 mL water capacity is equivalent to a 28 g cartridge.</i>
14) Division 2.2 cartridges without choose secondary p contained in backpack; S of avalanche rescue	Yes	Yes	Yes	a) no more than one avalanche rescue backpack per person; b) the backpack must be packed in such a way that it cannot be accidentally activated; c) may contain a pyrotechnic actuation mechanism that must not contain more than 200 mg net of Division 1.4S; Y d) the inflatable bags inside the backpack must have decompression valves.
<b>radioactive material</b>				
15) Cardiac pacemakers or other devices positives of medical use containing radiois otopes	n/a (see the restriction nes)	n/a (see the restriction nes)	Not	They must be implanted in a person's body or outside of the body, as a consequence of medical treatment.
<b>Mercury</b>				
16) Small medical or clinical thermometer: i dream that contains mercury	Yes	Not	Not	a) no more than one per person; Y b) must be in its protective packaging.
<b>Other dangerous goods</b>				
17) Non-radioactive medicinal you (even items aerosols), toiletries (i even aerosols) and aerosols from the Division 2.2 without secondary hazard	Yes	Yes	Not	a) a total net quantity of not more than 0.5 kg or 0.5 L for each item; b) a total net quantity of not more than 2 kg or 2 L for all items (eg, four 0.5L aerosol cans) per person; c) aerosol decompression valves must be protected by a lid or other suitable means to prevent the inadvertent release of the content; Y d) the release of the gas must not cause extreme annoyance or discomfort that prevents crew members from properly performing their assigned duties.



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	Liability		Is required approval of aviation?	restrictions
	Baggage involved	Baggage of hand		
<i>dangerous goods yes</i>				
18) Dry ice	Yes	Yes	Yes	a) no more than 2.5 kg per person; b) it is used to pack perishable goods that are not subject to these instructions; c) the package must allow the escape of carbon dioxide; Y d) when transported in checked baggage, each piece must be marked:  i) "DRY ICE" (DRY ICE) or "SOLID CARBON DIOXIDE" (CARBON DIOXIDE, SOLID); Y  ii) the net weight of dry ice or an indication that the net weight is equal to 2.5 kg or less.
19) Cartridges of the Division 1.4S (UN 0012 or UN 0 014 only)	Yes	Not	Yes	a) no more than 5 kg of gross mass per person; b) must be securely packaged; c) they must not include ammunition with explosive or incendiary projectiles; Y d) Quantities that are allowed for more than one person must not be combined in one or more packages.
20) Permeation devices	Yes	Not	Not	Instructions on how to package permeation devices for calibrating air quality monitoring equipment are given in Special Provision A41.
21) Specimens non-infectious in flammable solutions	Yes	Yes	Not	Instructions on how to pack and mark specimens are given in Special Provision A180.
22) Refrigerated Liquid Nitrogen	Yes	Yes	Not	It must be contained in insulated packages (eg. cryogenic dry receptacles) that do not allow for pressure build-up and that fully absorb the liquid in a porous material so that there is no release of liquid from the package.  See Special Provision A152 for more information.
23) Dangerous goods incorporated in security, security bags and on	Yes	Not	Yes	Safety equipment must be provided with an effective means of preventing accidental activation and the dangerous goods incorporated in the equipment must satisfy the conditions of Special Provision A178.

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When you want to take on board items that require authorization from the Company for their transport, the Commercial department will request the ROV when hiring the flight.

In cases where due to time constraints this is not possible, Handling will notify the Flight Commander to obtain said authorization.

Both the Company and its handling agent will provide passengers with information on the types of dangerous goods that are prohibited from being transported on board the aircraft. This information will be delivered as a minimum in the form of notices in places where there is interaction with passengers.



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Dangerous Goods and Weapons

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