

## Dangerous Goods Carried by Passengers and Crew



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## OBJECTIVES



- Explain the exceptions that allow passengers and crew to carry some personal-use Dangerous Goods in the cabin of the aircraft and in checked baggage.

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## Dangerous Goods Carried by Passengers & Crew

[Part 8](#) details the dangerous goods that can be carried in the aircraft cabin and/or in checked baggage.



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## Alcoholic Beverages

- Alcoholic beverages in retail packagings that contain between 24% and 70% alcohol (48 “proof” to 140 “proof”) may be carried in carry-on or checked baggage.
- Quantity limit is 5 liters (1.3 gallons) per container and per 5 liters (1.3 gallons) per person.



ICAO TI 8; 1.1.2(a)

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## Beer & Wine OK

- Beer and wine typically contain far less than 24% alcohol so they are not regulated as dangerous goods.
- Even “fortified” and “dessert wines” normally have less than 20% alcohol content.



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## Alcohol that is not allowed



- Alcoholic beverages that contain more than 70% alcohol (more than 140 proof) are not allowed in baggage.
- Examples of this are 95% grain alcohol and 151-proof rum.

ICAO TI 8; 1.1.2(a)

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## Non-radioactive Medicinal and Toilet Articles

- No more than 2 kg/L per person and no more than 0.5 kg/L per container.
- No ICAO definition of medicinal or toilet article.

ICAO TI 8; 1.1.2(b)




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## ...plus other nonflammable aerosols

- Additional nonflammable aerosols that are not medicinal or toilet or articles may be carried in checked baggage only.
- They are included in the medicinal/toilet article quantity limits.

ICAO TI 8; 1.1.2(b)



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## Is it a medicinal / toilet article?

All are flammable aerosols



Mosquito repellent ?



Laundry starch ?



Air freshener ?



Disinfectant ?  
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## Small gaseous oxygen or air cylinders for medicinal use

- Allowed with the approval of the operator.

ICAO TI 8; 1.1.2(c)



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## Carbon Dioxide gas cylinders in mechanical limbs

- ...And an adequate supply of spare cylinders for the journey.

ICAO TI 8; 1.1.2(d)



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## Securely Boxed Cartridges for Sporting Purposes

- With the approval of the operator and as checked baggage only.
- Securely boxed cartridges in Division 1.4S (small arms).
- No more than 5 kg gross mass per person.



ICAO TI 8; 1.1.2(e)<sub>12</sub>

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## Dry Ice

- 2.5 kg per person is allowed in the cabin.
- Permitted in checked baggage with the approval of the operator and marked "DRY ICE".



ICAO TI 8; 1.1.2(f)

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## Safety Matches or Lighter

- One small packet or one lighter allowed when carried on the person.
- Lighters containing unabsorbed liquid fuel, lighter fuel and lighter refills are not permitted in checked or carry-on baggage.
- "Strike anywhere" matches are forbidden for air transport.



ICAO TI 8; 1.1.2(g)

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## Pacemakers, Devices Contained in the Body, Radiopharmaceuticals

- Including radioisotopic cardiac pacemakers, devices powered by lithium batteries, and radiopharmaceuticals ingested/implanted.



ICAO TI 8; 1.1.2(h)

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## Wheelchairs with Non-spillable batteries

- With approval of the operator, allowed as checked baggage
- Battery terminals must be protected from short circuits.
- Battery must be securely attached to the wheelchair



ICAO TI 8; 1.1.2(i)

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## Wheelchairs with Spillable Batteries

- With approval of the operator, allowed in checked baggage.
- Battery must be disconnected, terminals protected.
- If battery can't be loaded, stowed, secured and unloaded in upright position, battery must be removed and packaged separately.
- Pilot must be notified of location.



ICAO TI 8; 1.1.2(j)

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## Hair curlers with hydrocarbon gas (butane, etc.)

- No more than one per person with one gas cartridge inside.
- Spare gas cartridges are not allowed.



ICAO TI 8; 1.1.2(k)

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## Mercurial Barometer or Thermometer

- With approval of operator, allowed in carry-on baggage only.
- Must be carried by a representative of a government weather bureau or similar agency.



ICAO TI 8; 1.1.2(l)

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## Self-inflating Lifejacket

- Self-inflating life jacket with compressed gas cylinders. With approval of the operator
- No more than two small div. 2.2 gas cylinders inside plus two spares cylinders allowed.



ICAO TI 8; 1.1.2(m)

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## Heat Producing Articles

- With approval of operator, allowed in carry-on baggage only
- Heat producing component (battery) must be removed to prevent unintentional functioning



Diving light

ICAO TI 8; 1.1.2(n)

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## Medical Mercury Thermometer

- One small medical or clinical thermometer allowed for personal use.
- Thermometer must be in a protective case.



ICAO TI 8; 1.1.2(o)

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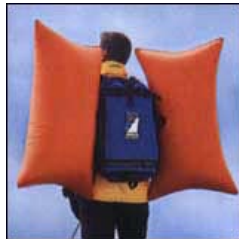
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## Avalanche Rescue Backpack

- One rescue pack allowed with the approval of the operator.
- Backpack must be packed to avoid any accidents.



ICAO TI 8; 1.1.2(p)

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## Fuel cells in Electronic devices

- May only contain flammable liquids.
- Cartridges marked IEC PAS 62282-6-1.
- No more than 2 spare cartridges.
- "APPROVED FOR CARRIAGE IN AIRCRAFT CABIN ONLY".



ICAO TI 8; 1.1.2(r)

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## Lithium Batteries in Electronic Devices

- Allowed for personal use.
- Spare batteries must be individually protected to prevent short circuit.
- Spare lithium batteries allowed in carry-on baggage only.



ICAO TI 8;1.1.2(q)

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## LESSON REVIEW

After completion of this lesson, you should be able to:

- Explain the exceptions that allow passengers and crew to carry some personal-use Dangerous Goods in the cabin of the aircraft and in checked baggage.

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