

## **Notice on Dangerous Goods Carried in Passengers Baggage**

1. When passengers carrying dangerous goods, the rules of ICAO *Technical Instruction for the Safe Transport of Dangerous Goods (TI)* and CAAC shall be observed.

2. Dangerous goods must not be carried by passengers as checked, carry-on baggage or on one's person , except as otherwise provided in the table below. The provisions in the following table are the main provisions of the dangerous goods that passengers are allowed to carry. For specific requirements, please consult the on-site staff or the service hotline of Shenzhen Airlines: 95361.

3. Variations may exist in different airports and countries. It is suggested to consult the departure airport when necessary.

4. The following rules are applied when Shenzhen Airlines is the actual carrier. For interline or code share flight, passengers must observe the requirements of the actual operator.

**Note: in the following table,“N” stands for “No”,“Y” stands for “Yes”,“FB” stands for “Forbidden”**

<b>The pilot-in-command must be informed of the location</b>				
<b>Permitted in or as carry-on baggage</b>				
<b>Permitted in or as checked baggage</b>				
<b>The approval of Shenzhen Airlines is required</b>				
<b>Alcoholic beverage</b> , when in retail packagings, containing more than 24% but not more than 70% alcohol by volume, in receptacles not exceeding 5 L, with a total net quantity per person of 5 L.  Note 1: CAAC requirements on liquids also shall comply with.	N	Y	Y	N
<b>Ammunition, cartridges for weapons</b> (in Div. 1.4S, UN 0012 or UN 0014 only), Only for shooting competitive sports groups and athletes, in quantities not exceeding 5 kg gross weight per person for that person's own use. Allowances for more than one person must not be combined into one or more packages.	Y	Y	N	N
<b>Avalanche rescue backpack</b> , one (1) per person, containing a cartridge of compressed gas in Div. 2.2. May also be equipped with a pyrotechnic trigger mechanism containing no more than 200 mg net of Div. 1.4S. The backpack must be packed in such a manner that it cannot be accidentally activated. The airbags within the backpacks must be fitted with pressure relief valves.	FB	FB	FB	FB
<b>Baggage with installed lithium batteries</b> non-removable batteries exceeding 0.3 g lithium metal or 2.7 Wh.	FB	FB	FB	FB

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<b>Baggage with installed lithium batteries:</b>	N	Y	Y	N
– non-removable batteries. Batteries must contain no more than 0.3 g lithium metal or for lithium ion must not exceed 2.7 Wh;				
– removable batteries. Batteries must be removed if baggage is to be checked in. Removed batteries must be carried in the cabin.				
<b>Batteries, spare/loose, including lithium batteries, non-spillable batteries, nickel-metal hydride batteries and dry batteries</b> for portable electronic devices, must be carried in carry-on baggage only. Articles which have the primary purpose as a power source, e.g. power banks are considered as spare batteries. These batteries must be individually protected to prevent short circuits. Lithium metal batteries: the lithium metal content must not exceed 2 g. Lithium ion batteries: the Watt-hour rating must not exceed 100 Wh. Each person is limited to a maximum of 20 spare batteries. Non-spillable batteries: must be 12 V or less and 100 Wh or less. Each person is limited to a maximum of 2 spare batteries.	N	N	Y	N
<b>Camping stoves and fuel containers</b> that have contained a flammable liquid fuel with empty fuel tank and/or fuel container.	FB	FB	FB	FB

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<b>Chemical agent monitoring equipment</b> , when carried by staff members of the Organization for the Prohibition of Chemical Weapons on official travel.	Y	Y	Y	N
<b>Disabling device</b> , such as mace, pepper spray, etc. containing an irritant or incapacitating substance are forbidden on the person, in checked and carry-on baggage.	FB	FB	FB	FB
<b>Dry ice (carbon dioxide, solid)</b> , in quantities not exceeding 2.5 kg per person when used to pack perishables not subject to these Regulations in checked or carry-on baggage, provided the baggage (package) permits the release of carbon dioxide gas. Checked baggage must be marked “dry ice” or “carbon dioxide, solid” and with the net weight of dry ice or an indication that there is 2.5 kg or less dry ice.	Y	Y	Y	N
<b>E-cigarettes</b> , (including e-cigars, e-pipes, other personal vaporizers) containing batteries must be individually protected to prevent accidental activation.	N	N	Y	N
<b>Electro shock weapons</b> (e.g. Tasers) containing dangerous goods such as explosives, compressed gases, lithium batteries, etc. are forbidden in carry-on baggage or checked baggage or on the person.	FB	FB	FB	FB
<b>Fuel cells containing fuel</b> , powering portable electronic devices (e.g. cameras, cellular phones, laptop computers and camcorders).	N	N	Y	N

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<b>Fuel cells cartridges, spare for portable electronic devices</b>	N	Y	Y	N
<b>Gas cartridge, small, non-flammable</b> containing carbon dioxide or other suitable gas in Division 2.2. Up to two (2) small cartridges fitted into a self-inflating safety device such as a life jacket or vest. Not more than two (2) devices per passenger and up to two (2) spare small cartridges per person, not more than four (4) cartridges up to 50 mL water capacity for other devices.	Y	Y	Y	N
<b>Gas cylinders, non-flammable, non-toxic</b> worn for the operation of mechanical limbs. Also, spare cylinders of a similar size if required to ensure an adequate supply for the duration of the journey.	N	Y	Y	N
<b>Hair styling equipment containing a hydrocarbon gas cartridge</b> , up to one (1) per passenger or crew-member, provided that the safety cover is securely fitted over the heating element. This hair styling equipment must not be used on board the aircraft. Spare gas cartridges for such hair styling equipment are not permitted in checked or carry-on baggage.	N	Y	Y	N

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<p><b>Insulated packagings containing refrigerated liquid nitrogen</b> (dry shipper), fully absorbed in a porous material containing only non-dangerous goods.</p>	N	Y	Y	N
<p><b>Internal combustion or fuel cell engines</b>, must meet DGR A70. (For detailed requirements please refer to appendix following this table)</p>	N	Y	N	N
<p><b>Lithium batteries, PED contain lithium batteries</b> containing lithium metal or lithium ion cells or batteries, including medical devices and consumer electronics such as cameras, mobile phones, laptops and tablets, when carried by passengers or crew for personal use. For lithium metal batteries the lithium metal content must <b>not exceed 2 g and for lithium ion batteries the Watt-hour rating must not exceed 100 Wh</b>. If in checked baggage, measures must be taken to protect the device from damage and to prevent unintentional activation; the device must be completely switched off (not in sleep or hibernation mode) unless the device contains lithium batteries only and not exceed:</p> <ul style="list-style-type: none"> <li>--lithium metal battery, lithium metal content 0.3g;</li> <li>--lithium ion battery, Watt hour rating 2.7Wh.</li> </ul> <p>Each person is limited to a maximum of 15 PED.</p> <p>Note 2 : According to CCAR121.574 , Shenzhen Airlines currently forbid passengers from carrying portable oxygen concentrator (POC).</p>	N	Y	Y	N

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<b>Permitted in or as checked baggage</b>				
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<b>Lithium batteries, spare/ loose, including power banks ,see Batteries, spare/ loose</b>				
<b>Lithium batteries-powered electronic device</b> Lithium ion batteries for portable (including medical) electronic devices, a Wh rating exceeding 100 Wh but not exceeding 160 Wh. For portable medical electronic devices only, lithium metal batteries with a lithium metal content exceeding 2 g but not exceeding 8 g. Devices in checked baggage must be completely switched off and must be protected from damage.	Y	Y	Y	N
<b>Lithium batteries spare/ loose</b> with a Watt-hour rating exceeding 100 Wh but not exceeding 160 Wh for consumer electronic devices and PMED or with a lithium metal content exceeding 2 g but not exceeding 8 g for PMED only. Maximum of two spare batteries in carry-on baggage only. These batteries must be individually protected to prevent short circuits.	Y	N	Y	N

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<b>Permitted in or as checked baggage</b>				
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<p><b>Matches, safety (one small packet) or a small cigarette lighter</b> that does not contain unabsorbed liquid fuel, other than liquefied gas, intended for use by an individual when carried on the person. Lighter fuel and lighter refills are not permitted on one's person or in checked or carry-on baggage.</p> <p><i>Note3:</i> According to CAAC regulations, passengers are forbidden to carry cigarette lighter or matches as/in carry-on baggage, as/in checked baggage, or on person; the crew (including the supernumeraries may carry on person the cigarette lighter and matches for implementing flight mission )</p>	N	N	See the Note	N
<p><b>Mobility Aids:</b> Battery-powered wheelchairs or other similar mobility devices with <b>non-spillable wet batteries, nickel-metal hydride batteries or dry batteries</b>. Battery(batteries) is either adequately protected against damage by the design and securely attached to the mobility aid, the electrical circuits must be isolated following the manufacturer's instructions or be removed following the manufacturer's instructions. The removed and spare batteries are carried in strong, rigid packaging and must be carried in the cargo compartment.</p>	Y	Y	N	Y
<p><b>Mobility Aids:</b> Battery-powered wheelchairs or other similar mobility devices with spillable batteries.</p>	FB	FB	FB	FB
<p><b>Mobility Aids:</b> Battery-powered wheelchairs or other similar mobility devices with <b>lithium ion batteries</b>. Battery(batteries) is either adequately protected against damage by the design and securely attached to the mobility aid, the electrical circuits must be isolated following the manufacturer's instructions or be removed following the manufacturer's instructions. Each removed battery must not exceed 300Wh. The removed and spare batteries must be protected from damage and carried in the passenger cabin.</p>	Y	Y	N	Y



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<b>Permitted in or as carry-on baggage</b>				
<b>Permitted in or as checked baggage</b>				
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<p><b>Non-radioactive medicinal or toiletry articles</b> (including aerosols) such as hair sprays, perfumes, colognes and medicines containing alcohol; and <b>Non-flammable, non-toxic aerosols in Division 2.2</b>, with no subsidiary risk, for sporting or home use.</p> <p>The total net quantity of non-radioactive medicinal or toiletry articles and non-flammable, non-toxic aerosols in Division 2.2 must not exceed 2 kg or 2 L and the net quantity of each single article must not exceed 0.5 kg or 0.5 L. Release valves on aerosols must be protected by a cap or other suitable means to prevent inadvertent release of the contents.</p> <p><b>Note4:</b> according to the CAAC regulation, cosmetics for personal use during air travel meet the three conditions at the same time can be carried in carry-on baggage: (1) limited to one for each type,(2) placed in a container with container volume not exceeding 100 ml,(3) subject to open bottle inspection.</p>	N	Y	See the Not e	N
<p><b>Oxygen or air, gaseous, cylinders</b> required for medical use. The cylinder must not exceed 5 kg gross weight.</p> <p><i>Note: Liquid oxygen systems are forbidden for transport.</i></p>	FB	FB	FB	FB
<p><b>Permeation devices</b>, must meet DGR A41. (For detailed requirements please refer to appendix following this table)</p>	N	Y	N	N
<p><b>Portable electronic devices containing non-spillable batteries</b>, batteries must meet DGR A67 and must be 12 V or less and 100 Wh or less. A maximum of 2 spare batteries may be carried. (For detailed requirements of A67 ,please refer to appendix following this table)</p>	N	Y	Y	N

The pilot-in-command must be informed of the location				
Permitted in or as carry-on baggage				
Permitted in or as checked baggage				
The approval of Shenzhen Airlines is required				
<b>Power Bank</b> The portable power bank that not exceeding a watt-hour rating of 100 Wh, is acceptable without Shenzhen Airlines' approval.	N	N	Y	N
<b>Power Bank</b> The portable power bank that exceeding a watt-hour rating of 100 Wh but not exceeding 160 Wh, is acceptable with Shenzhen Airlines' approval, no more than two pieces of this type per person.  It is forbidden to carry the power bank with a watt-hour rating exceeding 160Wh; it is prohibited to carry a power bank that does not indicate the watt-hour rating and also fails to calculate the watt-hour rating through the other parameters marked.  The power bank can only be carried in or as carry-on baggage, and it is strictly prohibited to carry it in the checked baggage; the power bank should be placed in the original retail packaging or other insulation treatment, so that it can be individually protected to prevent short circuits. It is not allowed to use the power bank to charge electronic devices on the aircraft, or to charge the power bank on the aircraft. For power banks with a start switch, they shall always be turned off during the flight.	Y	N	Y	N
<b>Radioisotopic cardiac pacemakers</b> or other devices, including those powered by lithium batteries, implanted into a person or fitted externally.	N	N	One's per son	N

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<b>Permitted in or as checked baggage</b>				
<b>The approval of Shenzhen Airlines is required</b>				
<p><b>Security-type attache cases, cash boxes, cash bages, etc.</b> incorporating dangerous goods, such as lithium batteries and/or pyrotechnic material, can be carried in checked baggage when meeting the following requirements:</p> <p>(a) the equipment must be equipped with an effective means of preventing accidental activation;</p> <p>(b) if the equipment contains an explosive or pyrotechnic substance or an explosive article, this article or substance must be excluded from Class 1 by the appropriate national authority of the State of Manufacture in compliance with <i>Dangerous Goods Regulations</i> 3.1.7.1;</p> <p>(c) if the equipment contains lithium cells or batteries, these cells or batteries must comply with the following restrictions:</p> <ol style="list-style-type: none"> <li>1. for a lithium metal cell, the lithium content is not more than 1 g;</li> <li>2. for a lithium metal battery, the aggregate lithium content is not more than 2 g;</li> <li>3. for lithium ion cells, the Watt-hour rating is not more than 20 Wh;</li> <li>4. for lithium ion batteries, the Watt-hour rating is not more than 100 Wh;</li> <li>5. each cell or battery is of the type proven to meet the requirements of each test in the UN Manual of Tests and Criteria, Part III, subsection 38.3.</li> </ol> <p>(d) if the equipment contains gases to expel dye or ink, only gas cartridges and receptacles, small, containing gas with a capacity not exceeding 50 mL, containing no constituents subject to <i>Dangerous Goods Regulations</i> other than a Division 2.2 gas, are allowed. The release of gas must not cause extreme annoyance or discomfort to crew</p>	Y	Y	N	N

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members so as to prevent the correct performance of assigned duties. In case of accidental activation all hazardous effects must be confined within the equipment and must not produce extreme noise;				
(e) security type equipment that is defective or that has been damaged or can't meet the above requirements is forbidden for transport.				
<b>Specimens, non-infectious</b> packed with small quantities of flammable liquid, must meet DGR A180 (For detailed requirements please refer to appendix following this table).	N	Y	Y	N
<b>Thermometer, medical or clinical</b> , which contains mercury, one (1) per person for personal use, when in its protective case.	N	Y	N	N
<b>Thermometer or barometer, mercury filled</b> carried by a representative of a government weather bureau or similar official agency.	Y	N	Y	Y

## Appendix: Special Provisions in Dangerous Goods Regulations (DGR)

### 1.DGR Special Provision A41

Permeation devices that contain dangerous goods and that are used for purposes of calibrating air quality monitoring devices are not subject to these Regulations when carried as cargo provided the following requirements are met:

(a) each device must be constructed of a material compatible with the dangerous goods it contains;

(b) the total quantity of dangerous goods in each device is limited to 2 mL and the device must not be liquid full at 55° C;

(c) each permeation device must be placed in a sealed, high impact-resistant, tubular inner packaging of plastic or equivalent material. Sufficient absorbent material must be contained in the inner packaging to completely absorb the contents of the device. The closure of the inner packaging must be securely held in place with wire, tape or other positive means;

(d) each inner packaging must be contained in a secondary packaging constructed of metal, or plastic having a minimum thickness of 1.5 mm. The secondary packaging must be hermetically sealed;

(e) the secondary packaging must be securely packed in strong outer packaging. The completed package must be capable of withstanding, without breakage or leakage of any inner packaging and without significant reduction in effectiveness:

(1) the following free drops onto a rigid, non-resilient, flat and horizontal surface from a height of 1.8 m:

- one drop flat on the bottom;
- one drop flat on the top;
- one drop flat on the long side;
- one drop flat on the short side;
- one drop on a corner at the junction of three intersecting edges; and

(2) a force applied to the top surface for a duration of 24 hours, equivalent to the total weight of identical packages if stacked to a height of 3 m (including the test sample).

Note: Each of the above tests may be performed on different but identical packages.

(f) the gross weight of the completed package must not exceed 30 kg.

### **2.DGR Special Provision A67**

Wet cell batteries can be considered as non-spillable provided that they are capable of withstanding the vibration and pressure differential tests given below, without leakage of battery fluid.

**Vibration test:** The battery is rigidly clamped to the platform of a vibration machine and a simple harmonic motion having an amplitude of 0.8 mm (1.6 mm maximum total excursion) is applied. The frequency is varied at the rate of 1 Hz/min between the limits of 10 Hz to 55 Hz. The entire range of frequencies and return is traversed in  $95 \pm 5$  minutes for each mounting position (direction of vibration) of the battery. The battery must be tested in three mutually perpendicular positions (to include testing with fill openings and vents, if any, in an inverted position) for equal time periods.

**Pressure differential test:** Following the vibration test, the battery is stored for six hours at  $24^{\circ}\text{C} \pm 4^{\circ}\text{C}$  while subjected to a pressure differential of at least 88 kPa. The battery must be tested in three mutually perpendicular positions (to include testing with fill openings and vents, if any, in an inverted position) for at least six hours in each position.

### **3. DGR Special Provision A70**

For flammable liquid powered engines, internal combustion or fuel cell engines or machinery, without batteries or other dangerous goods, can be carried as checked baggage, passenger shall provide written or electronic documentation to prove comply with th

e following requirements:

(a) the engine is powered by a fuel that does not meet the classification criteria for any class or division; or

(b) the fuel tank of the vehicle, machine or other apparatus has never contained any fuel, or the fuel tank has been flushed and purged of vapours and adequate measures taken to nullify the hazard;

(c) the entire fuel system of the engine has no free liquid that is subject to these Regulations and all fuel lines are sealed or capped or securely connected to the engine and vehicle, machinery or apparatus.

#### **4.DGR Special Provision A123**

This entry applies to Batteries, electric storage, not otherwise listed in Subsection 4.2-List of Dangerous Goods. Examples of such batteries are:alkali-manganese,zinc-carbon and nickel-cadmium batteries.Any electrical battery or battery powered device,equipment or vehicle having the potential of a dangerous evolution of heat must be prepared for transport so as to prevent:

(a) a short-circuit (e.g.in the case of batteries,by the effective insulation of exposed terminals;or,in thecase of equipment,by disconnection of the battery and protection of exposed terminals);and

(b)unintentional activation.

#### **5.DGR Special Provision A180**

Non-infectious specimens, such as specimens of mammals, birds, amphibians, reptiles, fish, insects and other invertebrates containing small quantities of UN1170, UN 1198, UN1987, or UN 1219 are not subject to these Regulations provided the following packing and marking requirements are met:

(a) specimens are:

(1) wrapped in paper towel and/or cheesecloth moistened with alcohol or an alcohol solution and then placed in a plastic bag that is heat-sealed. Any free liquid in the bag must not exceed 30 mL; or

(2) placed in vials or other rigid containers with no more than 30 mL of alcohol or an alcohol solution;

(b) the prepared specimens are then placed in a plastic bag that is then heat-sealed;

(c) the bagged specimens are then placed inside a another plastic bag with absorbent material then heat sealed;

(d) the finished bag is then placed in a strong outer packaging with suitable cushioning material;

(e) the total quantity of flammable liquid per outer packaging must not exceed 1 L; and

(f) the completed package is marked “scientific research specimens, not restricted Special Provision A180 applies”.

## **6. DGR Special Provision A199**

Nickel-metal hydride batteries or nickel-metal hydride battery-powered devices, equipment or vehicles having the potential of a dangerous evolution of heat are not subject to these Regulations provided they are prepared for transport so as to prevent:

(a) a short circuit (e.g. in the case of batteries, by the effective insulation of exposed terminals; or, in the case of equipment, by disconnection of the battery and protection of exposed terminals); and

(b) unintentional activation.