

# Special Provisions DGR 4.4 - Lithium Batteries

## **A48**

Packaging tests are not required.

## **A88**

Prototype lithium cells/ batteries which have not been tested according to the requirements of UN Manual of Test & Criteria Subsection 38.3, may be transported by air when the following requirements are met: -

Approval is obtained from the appropriate authority of the State of Origin that fulfills the following requirements: -

- a) Use Packing Group I standard outer packaging that is made of metal, plastics OR plywood drum OR metal, plastic or wooden box to hold the cells/ batteries;
- b) Each cells/ batteries must be packed individually and be surrounded by non-combustible material, to prevent occurrence of short circuit;
- c) For lithium batteries with a mass of 12kg or greater, they must
  - (i) have a strong, impact resistant outer casing OR be packed in strong outer packaging, AND
  - (ii) Be protected against short circuit;
- d) A document copy to show the quantity limitations that must be accompanying the consignment.

## **A99**

For consignments that comply with the requirements of the Section I of PI965, 966, 967, 968, 969 and 970 which exceed 35kg limit permissible for 'CAO', are not subject to the limitation of the authority of the State of the Origin. During transport, a copy of the approval must accompany the consignment.

## **A154**

For defective or damaged lithium batteries are forbidden for Air transport.

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## **A164**

Any electrical battery or battery powered device, equipment or vehicle that may cause evolution of heat during transport must be protected against: -

- a) short circuiting;
- b) unintentional activation.

## **A181**

- a) For consignment which consist of a combination of UN3481 and UN3091 cargo, the package must be marked to identify such a condition accordingly;
- b) When consignments containing both lithium-ion battery and lithium metal batteries, they must also be identified on the package accordingly;
- c) For button cell batteries installed in equipment need not to be considered.

## **A182**

Equipment containing only lithium batteries must be classified as either UN3481 or UN3091.

## **A183**

Waste batteries and batteries that are shipped for recycling or disposal are forbidden for air transportation unless being approved by the appropriate national authority of the State of Origin and the State of the Operator.

## **A185**

Vehicles powered by lithium metal/ lithium-ion batteries must be consigned under the entry of UN3171, Battery-powered vehicle.

## **A201**

States concerned may grant an exemption from the prohibition to transport lithium metal batteries as cargo on passenger aircraft in accordance with 1.2.6.