### TNT Air Network Transport of Lithium Batteries

<table>
<thead>
<tr>
<th>Packed number</th>
<th>Packed Instruction</th>
<th>Section / Limitations</th>
<th>Max Net weight or quantity per package</th>
<th>Packaging</th>
<th>Labels</th>
<th>Documentation</th>
<th>DG Option Code</th>
<th>Shipper Approved</th>
<th>Country Approved</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 3480</td>
<td>Pi 965</td>
<td>IA &gt; 20 Wh / Cell &gt; 100 Wh / Battery</td>
<td>35 kg Net – CAO Forbidden on passenger aircrafts</td>
<td>UN certified</td>
<td>Class 9 LB Label (°) + CAO Label</td>
<td>HZ Text on the connote + Shipper’s Declaration</td>
<td>HZ</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IB ≤ 20 Wh / Cell ≤ 100 Wh / Battery</td>
<td>10 kg Net – CAO more than 8 cells or 2 batteries Forbidden on passenger aircrafts</td>
<td>Non UN strong and rigid</td>
<td>Class 9 LB Label (°) + LB Mark + CAO Label</td>
<td>HZ Text on the connote + Shipper’s Declaration</td>
<td>HZ</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>UN 3481</td>
<td>Pi 966 (°)</td>
<td>I &gt; 20 Wh / Cell &gt; 100 Wh / Battery</td>
<td>35 kg Net – CAO 5 kg Net – PAX (°)</td>
<td>UN certified</td>
<td>Class 9 LB Label (°)</td>
<td>HZ Text on the connote + Shipper’s Declaration</td>
<td>HZ</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>II ≤ 20 Wh / Cell ≤ 100 Wh / Battery</td>
<td>5 kg Net – CAO 5 kg Net – PAX (°)</td>
<td>Non UN strong and rigid</td>
<td>LB Mark (°)</td>
<td>LB Text on connote</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>UN 3481</td>
<td>Pi 967 (°)</td>
<td>I &gt; 20 Wh / Cell &gt; 100 Wh / Battery</td>
<td>35 kg Net – CAO 5 kg Net – PAX</td>
<td>Non UN strong and rigid</td>
<td>Class 9 LB Label (°)</td>
<td>HZ Text on the connote + Shipper’s Declaration</td>
<td>HZ</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>II ≤ 20 Wh / Cell or ≤ 100 Wh / Battery</td>
<td>5 kg Net – CAO 5 kg Net – PAX more than 4 cells or 2 batteries</td>
<td>Non UN strong and rigid</td>
<td>LB Mark (°)</td>
<td>LB Text on connote</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td></td>
<td>II ≤ 20 Wh / Cell or ≤ 100 Wh / Battery</td>
<td>Max 4 cells or 2 batteries per package (not more then 2 packages per consignment) or button cells only</td>
<td>Non UN strong and rigid</td>
<td>None</td>
<td>None</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

### Forbiden on the TNT Air Network

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<tr>
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<th>Packaging</th>
<th>Labels</th>
<th>Documentation</th>
<th>DG Option Code</th>
<th>Shipper Approved</th>
<th>Country Approved</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN 3090</td>
<td>Pi 968</td>
<td>IA &gt; 1 gr of Lithium / Cell &gt; 2 gr of Lithium / Battery</td>
<td>35 kg Net – CAO Forbidden on passenger aircrafts</td>
<td>UN certified</td>
<td>Class 9 LB Label (°)</td>
<td>HZ Text on the connote + Shipper’s Declaration</td>
<td>HZ</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IB ≤ 1 gr of Lithium / Cell ≤ 2 gr of Lithium / Battery</td>
<td>2.5 kg Net – CAO more than 8 cells or 2 batteries Forbidden on passenger aircrafts</td>
<td>Non UN strong and rigid</td>
<td>Class 9 LB Label (°) + LB Mark + CAO Label</td>
<td>HZ Text on the connote + Shipper’s Declaration</td>
<td>HZ</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td>UN 3091</td>
<td>Pi 969 (°)</td>
<td>I &gt; 1 gr of Lithium / Cell &gt; 2 gr of Lithium / Battery</td>
<td>35 kg Net – CAO 5 kg Net – PAX (°)</td>
<td>UN certified</td>
<td>Class 9 LB Label (°)</td>
<td>HZ Text on the connote + Shipper’s Declaration</td>
<td>HZ</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>II ≤ 1 gr of Lithium / Cell ≤ 2 gr of Lithium / Battery</td>
<td>5 kg Net – CAO 5 kg Net – PAX (°)</td>
<td>Non UN strong and rigid</td>
<td>LB Mark (°)</td>
<td>LB Text on connote</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td>UN 3091</td>
<td>Pi 970 (°)</td>
<td>I &gt; 1 gr of Lithium / Cell &gt; 2 gr of Lithium / Battery</td>
<td>35 kg Net – CAO 5 kg Net – PAX</td>
<td>Non UN strong and rigid</td>
<td>Class 9 LB Label (°)</td>
<td>HZ Text on the connote + Shipper’s Declaration</td>
<td>HZ</td>
<td>YES</td>
<td>YES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>II ≤ 1 gr of Lithium / Cell or ≤ 2 gr of Lithium / Battery</td>
<td>5 kg Net – CAO 5 kg Net – PAX more than 4 cells or 2 batteries</td>
<td>Non UN strong and rigid</td>
<td>LB Mark (°)</td>
<td>LB Text on connote</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
<tr>
<td></td>
<td></td>
<td>II ≤ 1 gr of Lithium / Cell or ≤ 2 gr of Lithium / Battery</td>
<td>Max 4 cells or 2 batteries per package (not more then 2 packages per consignment) or button cells only</td>
<td>Non UN strong and rigid</td>
<td>None</td>
<td>None</td>
<td>NO</td>
<td>NO</td>
<td>NO</td>
</tr>
</tbody>
</table>

1 – The previous provisions for the Class 9 label and Lithium Battery Label may continue to be used until 31 December 2018

2 – For batteries / cells packed with equipment the number of cells or batteries in each package must not exceed the appropriate number for the equipment’s operation plus two spares.

3 – For the purposes of this packing instruction “equipment” means the device or apparatus for which the lithium cells or batteries will provide electrical power for its operation. Therefore devices like Powerbanks must be classified as batteries and not as batteries contained in equipment.

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Created by: TNT Dangerous Goods Department

Version: May 2017 (Based on ICAO Dangerous Goods Regulations)
Why Dangerous Goods?

- Lithium batteries (or cells) which are used to power a very large variety of electronic devices are considered as Dangerous Goods due to the fact that they can overheat and ignite under certain conditions.

Section / Limitation

- Section I (A) – subject to all provisions of the IATA DGR as applicable to fully regulated Dangerous Goods.
- Section I B – subject to Pacing Instruction 965 / 968 Section 1B of the IATA DGR as applicable.

Definitions

- Cell – A single electrochemical unit consisting of one positive and one negative electrode.
- Battery – One or more lithium cells electrically connected
- Button-Cell – Round small cell whose height is less than its diameter
- Watt rating – Can be found on a battery or calculated: Volts (V) x Ampere hours (Ah) = Watt hours

Labels / Marks

- Lithium Battery Mark.
- Class 9 LB label
- CAO label

For further information please consult IATA DGR or relevant guidance document

- The previous provisions for the Class 9 label and Lithium Battery Label may continue to be used until 31 December 2018
- When the lithium battery handling label (IATA Figure 7.4.H) is applied to packages / oversacks for Section I lithium battery shipments, the applicable UN number(s) must be marked on the package adjacent to the lithium battery handling label - effective 1st of July 2017.

Labels

- Lithium Battery Label
- Class 9 Label

UN certified
- Required for Section I (A)
- Need to be compliant with all relevant IATA DGR requirements for fully regulated packages

Non UN certified
- Do not required to be certified as per IATA requirements
- However must be compliant to the requirements detailed in the relevant Packing Instruction in the IATA Dangerous Goods Regulations
- For further information please consult IATA DGR or relevant guidance document (see “Limitation” above)

Consignment note
- Collection Address (4): must contain the name and address of the shipper.
- To (5) or Delivery Address (6): must contain the name and address of the consignee.
- Dangerous Goods (7): the ‘Yes’ must be ticked (not applicable for packages where there are not more then 4 cells or 2 batteries or button-cells only contained in equipment)
- “Goods Description” (10) or “Special Delivery Instructions” (9) must contain appropriate statements.

Shipper’s Declaration
- Is a legal document required for fully regulated Dangerous Goods
- For further information please consult IATA DGR regulations

DG option code – The TNT DG Option (HZ or LB ) must be used as applicable (not applicable for packages where there are not more than 4 cells or 2 batteries or button-cells only contained in equipment)

Shipper’s Approval – Approval for the transport of DG through the TNT Fixed Air Network can only be granted by the TNT Express, Head Office DG Department after successful completion of certain procedure.

Country Approval – Dangerous Goods (DG) services are available on the TNT Fixed Networks (Road or Air) to, from and through limited number of countries.