## Lithium ion and lithium polymer cells or batteries - 2020 IATA DGR



|  | UN3480 - PI965   |                                    |  |  | UN 3481 -PI966  | UN3481 - PI967                                   |   |
|--|--|------------------------------------|--|--|---|--|---|
| Description  | Lithium Cells / Batteries loose (bulk) Important: State of Charge (SoC) of the battery/ cell must not exceed 30% |                                    |  |  | Lithium Cells/Batteries packed with equipment                         | Lithium Cells / Batteries contained in equipment |   |
| Section  | PI965 - Section II   |                                    |  | PI965-Section IB   | PI966 - Section II  | PI967 - Section II                               |   |
| Lithium ion cells /<br>batteries capacity  | Per cell or battery ≤ 2.7Wh  | Per cell:<br>> 2.7Wh but<br>≤ 20Wh | Per battery:<br>> 2.7Wh but<br>≤ 100Wh | Per cell: ≤ 20Wh<br>Per battery: ≤ 100Wh   | Per cell: ≤ 20Wh<br>Per battery: ≤ 100Wh                              | Per cell: ≤ 20Wh<br>Per battery: ≤ 100Wh         | Per cell: ≤ 20Wh<br>Per battery: ≤ 100Wh  |
| Maximum number of cells /<br>batteries per package αnd<br>pαckages/consignment   | N/A  | 8 cells                            | 2 batteries                            | >2 batteries   | Those necessary to power the  | ≤ 2 batteries or 4 cells                         | > 2 batteries or 4 cells and  |
|  | Only one package per consignment and/or overpack allowed   |                                    |  | > 8 cells  | equipment and 2 spare sets (See "Note 2" for set details)             | ≤ 2 packages per consignment                     | consignments with more than 2<br>packages with ≤ 2 batt. or 4 cells                     |
| Maximum net weight of cells / batteries per package  | 2.5 kg (CAO)   | N/A                                | N/A                                    | 10 kg (CAO)  | 5 kg (PAX & CAO)  | 5 kg (PAX & CAO)                                 | 5 kg (PAX & CAO)  |
| "Description of content"<br>statement as per IATA DGR  | "Lithium ion batteries in compliance with<br>Section II of PI965" and "CAO"                                      |                                    |  | "Dangerous goods as per<br>attached Shipper's<br>Declaration" and "CAO"                | "Lithium ion batteries in compliance with Section II of PI966"        | No Requirements                                  | "Lithium ion batteries in compliance with Section II of PI967"                          |
| Required marks and labels  | UN3480   |                                    |  | UN3480   | UN3481  | No Requirements                                  | (See "Note 3")  |
| Accepted in Time Definite<br>International (door to door)  | Yes - Service Code "HB"<br>(See "Note 1")  |                                    |  | Yes - Service Code "HE" (See "Note 1")   | Yes - Service Code "HD"   | <b>Yes –</b> No Service Code Required            | Yes - Service Code "HV"   |
| Account approval required for<br>Time Definite International   | Yes<br>Separate approval for PI965 Section II  |                                    |  | Yes  | Yes   | No   | Yes   |
| Requirements for Air<br>Capacity Sales (airport to<br>airport)   | Select " <i>LB</i> " and mention " <i>CAO</i> " in the restricted commodity type                                 |                                    |  | Select " <b>DG</b> " and mention<br>" <b>CAO</b> " in the restricted<br>commodity type | Select "LB" and mention "Section II" in the restricted commodity type | No Requirements                                  | Select " <i>LB</i> " and mention " <i>Section II</i> " in the restricted commodity type |
| Note 1: Limited service worldwide due to CAO limitations. For additional information please contact your local DHL representative. (PAX – Passenger and Cargo Aircraft, CAO – Cargo Aircraft Only) |  |                                    |  |  |   |  |   |

Note 2: A "set" of cells or batteries is the number of individual cells or batteries that are required to power each piece of equipment.

Note 3: Lithium Battery Mark 🕍 is not required for packages containing only button cell batteries installed in equipment (including circuit boards).

| Section                                  | PI965 - Section IA (State of Charge (SoC) ≤ 30%)   |
|--|--|
| Per Cell: > 20Wh<br>Per Battery: > 100Wh | UN specification packaging required Maximum net weight of cells/batteries per package: 35 kg (CAO) Time Definite International - Service Code "HE". (See "Note 4") Air Capacity Sales - Select "DG" and mention "CAO". |



## PI966 & PI967 - Section I

UN specification packaging required for PI966 Maximum net weight of cells/batteries per package: 5 KG (PAX) and 35 kg (CAO) Time Definite International - Service Code "HE". (See "Note 4") Air Capacity Sales - Select "DG" and mention "PAX" or "CAO" if applicable.

Note 4: Lithium batteries packed according to P1965 Section IA and P1966 / P1967 Section I are not accepted in Time Definite International when transported via road to/from an ADR member state.

PI965 Section IA / IB and PI966, PI967 Section I - Cells and batteries must not be packed in the same outer packaging, or placed in an overpack with, dangerous goods classified in Class 1 (except 1.45), Division 2.1, Class 3, Division 4.1 and Division 5.1. (For PI966 and PI967 Section I is a DHL requirement)

P1965 Section II: Cells and batteries must not be packed in the same outer packaging with other dangerous goods. Cells and batteries must not be placed in an overpack with dangerous goods classified in Class 1 (except 1.4S), Division 2.1, Class 3, Division 4.1 and Division 5.1.