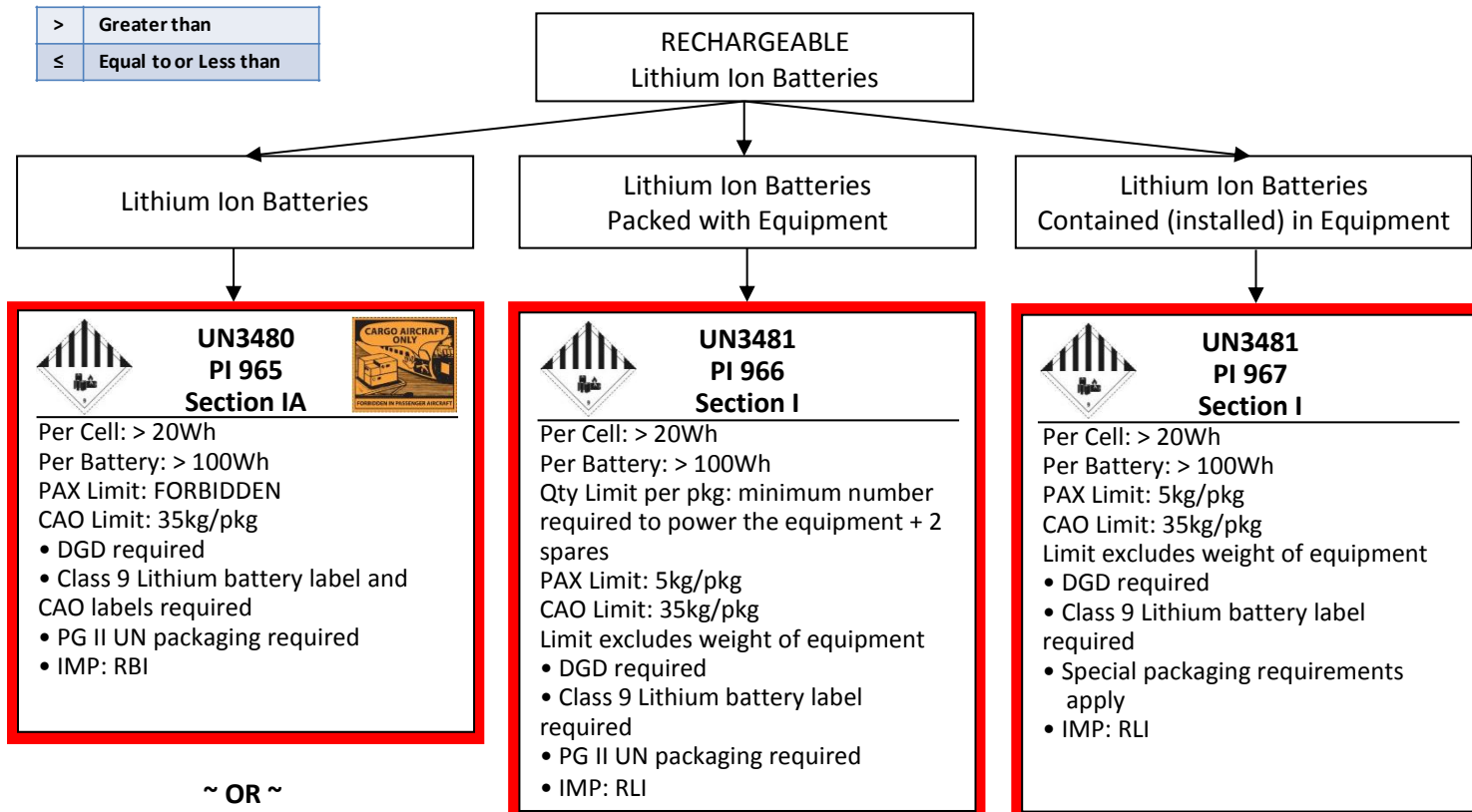


LEGEND:

>	Greater than
≤	Equal to or Less than

LITHIUM BATTERIES - QUICK REFERENCE GUIDE

V1 Effective 1 January 2018
Updated: 18 January 2018






**UN3480
PI 965
Section IB**

Per Cell: ≤ 20 Wh
Per Battery: ≤ 100 Wh
PAX Limit: FORBIDDEN
CAO Limit: 10kg/pkg

- DGD required
- Class 9 Lithium battery, CAO label and Lithium battery mark required
- Special packaging requirements apply
- IMP: RBI

~ OR ~

IMPORTANT!!!

- UN 3480, State of Charge ≤ 30%. Must not be packed with Class 1 (except Div 1.4S), Div 2.1, Class 3, Div 4.1 and Div 5.1.
- UN 3480, Section II, No BUP, No more than 1 package of cells / batteries in a consignment / an overpack.
- UN 3481, Equipment = device for which the lithium cells / batteries will provide electrical power for its operation.

“Adequate Instruction” as an alternative to training (Ref: DGR 1.6)



**UN3480
PI 965
Section II**



Per Cell:	
≤ 2.7Wh	> 2.7Wh but ≤ 20Wh
CAO Limit [PAX FORBIDDEN]:	
2.5kg/pkg	8 cells/pkg
Per Battery:	
≤ 2.7Wh	> 2.7Wh but ≤ 100Wh
CAO Limit [PAX FORBIDDEN]:	
2.5kg/pkg	2 batteries/pkg

- No DGD
- Declaration on AWB
- CAO label and Lithium battery mark required
- Special packaging requirements apply
- IMP: ELI

**UN3481
PI 966
Section II**



Per Cell: ≤ 20Wh
Per Battery: ≤ 100Wh
Qty Limit per pkg: minimum number required to power the equipment + 2 spares
PAX Limit: 5kg/pkg
CAO Limit: 5kg/pkg
Limit excludes weight of equipment

- No DGD
- Declaration on AWB
- Lithium battery mark required
- Special packaging requirements apply
- IMP: ELI

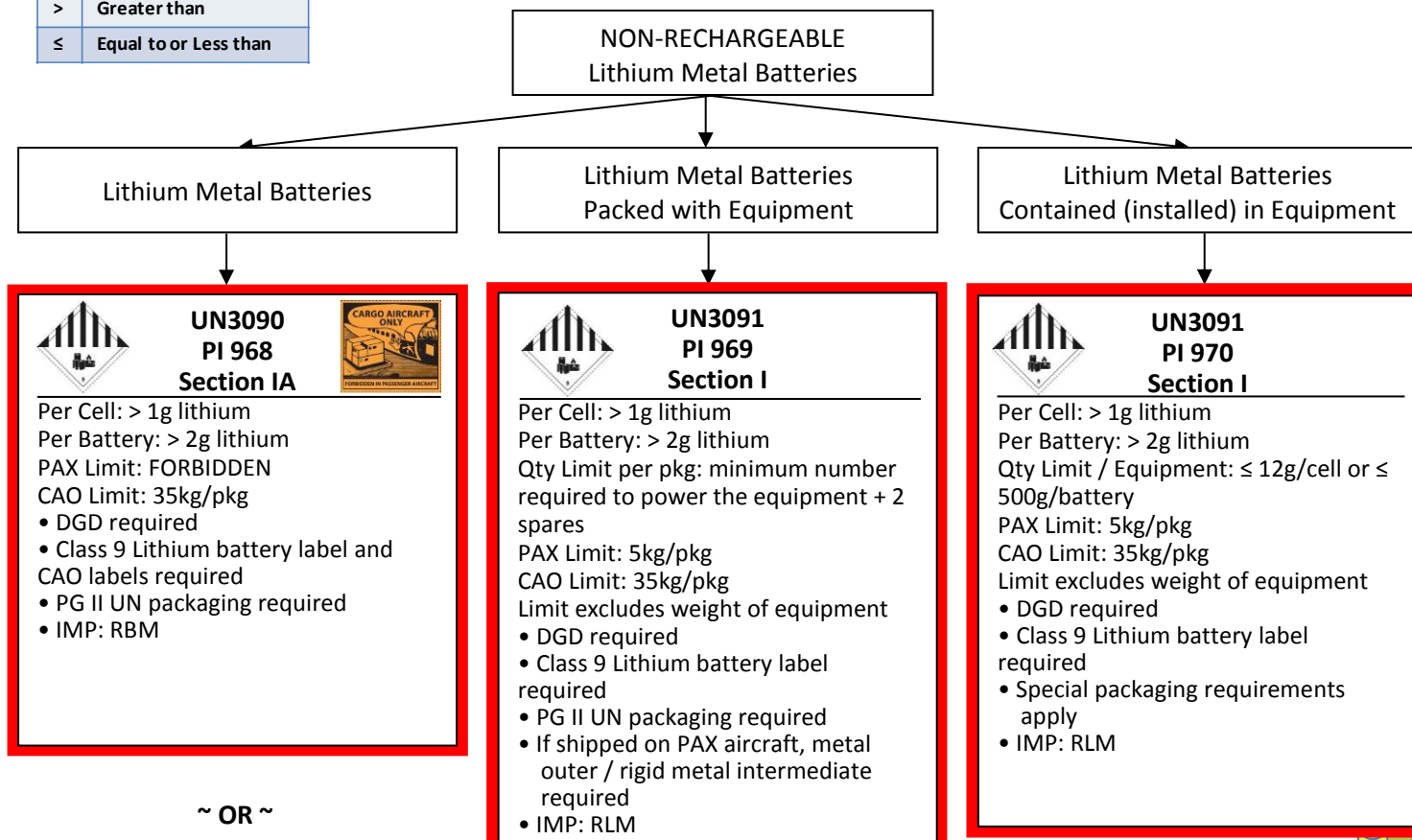
**UN3481
PI 967
Section II**



Per Cell: ≤ 20Wh
Per Battery: ≤ 100Wh
PAX Limit: 5kg/pkg
CAO Limit: 5kg/pkg
Limit excludes weight of equipment

- No DGD
- Declaration on AWB
- If more than 4 cells / 2 batteries or more than 2 packages containing no more than 4 cells / 2 batteries in the consignment:
 - Lithium battery mark required
- Special packaging requirements apply
- IMP: ELI

>	Greater than
≤	Equal to or Less than



  **UN3090
PI 968
Section IB** 

Per Cell: ≤ 1g lithium
Per Battery: ≤ 2g lithium
PAX Limit: FORBIDDEN
CAO Limit: 2.5kg/pkg

- DGD required
- Class 9 Lithium battery, CAO labels and Lithium battery mark required
- Special packaging requirements apply
- IMP: RBM

~ OR ~

IMPORTANT!!!

- UN 3090, Must not be packed with Class 1 (except Div 1.4S), Div 2.1, Class 3, Div 4.1 and Div 5.1.
- UN 3090, Section II, No BUP, No more than 1 package of cells / batteries in a consignment / an overpack.
- UN 3091, Equipment = device for which the lithium cells / batteries will provide electrical power for its operation.

“Adequate Instruction” as an alternative to training (Ref: DGR 1.6)

 UN3090 PI 968 Section II  Per Cell: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">≤ 0.3g lithium</td> <td style="width: 50%; text-align: center;">> 0.3g but ≤ 1g lithium</td> </tr> <tr> <td colspan="2" style="text-align: center;">CAO Limit [PAX – FORBIDDEN]:</td> </tr> <tr> <td style="text-align: center;">2.5kg/pkg</td> <td style="text-align: center;">8 cells/pkg</td> </tr> </table> Per Battery: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">≤ 0.3g lithium</td> <td style="width: 50%; text-align: center;">> 0.3g but ≤ 2g lithium</td> </tr> <tr> <td colspan="2" style="text-align: center;">CAO Limit [PAX – FORBIDDEN]:</td> </tr> <tr> <td style="text-align: center;">2.5kg/pkg</td> <td style="text-align: center;">2 batteries/pkg</td> </tr> </table> • No DGD • Declaration on AWB • CAO label and Lithium battery mark required • Special packaging requirements apply • IMP: ELM	≤ 0.3g lithium	> 0.3g but ≤ 1g lithium	CAO Limit [PAX – FORBIDDEN]:		2.5kg/pkg	8 cells/pkg	≤ 0.3g lithium	> 0.3g but ≤ 2g lithium	CAO Limit [PAX – FORBIDDEN]:		2.5kg/pkg	2 batteries/pkg	UN3091 PI 969 Section II  Per Cell: ≤ 1g lithium Per Battery: ≤ 2g lithium Qty Limit per pkg: minimum number required to power the equipment + 2 spares PAX Limit: 5kg/pkg CAO Limit: 5kg/pkg Limit excludes weight of equipment • No DGD • Declaration on AWB • Lithium battery mark required • Special packaging requirements apply • IMP: ELM	UN3091 PI 970 Section II  Per Cell: ≤ 1g lithium Per Battery: ≤ 2g lithium PAX Limit: 5kg/pkg CAO Limit: 5kg/pkg Limit excludes weight of equipment • No DGD • Declaration on AWB • If more than 4 cells / 2 batteries or more than 2 packages containing no more than 4 cells / 2 batteries in the consignment: - Lithium battery mark required • Special packaging requirements apply • IMP: ELM
≤ 0.3g lithium	> 0.3g but ≤ 1g lithium													
CAO Limit [PAX – FORBIDDEN]:														
2.5kg/pkg	8 cells/pkg													
≤ 0.3g lithium	> 0.3g but ≤ 2g lithium													
CAO Limit [PAX – FORBIDDEN]:														
2.5kg/pkg	2 batteries/pkg													