

# LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.3  
OF MANUAL OF TESTS AND CRITERIA

N/A = Not Applicable

<b>1. Name/Description of cell</b>	

<b>2. Manufacturer of cell</b>	
Name	
Address	
Phone	
Email	
Website	

<b>2a. Manufacturer of the equipment (if the cell is contained in equipment)</b>	
Name	
Address	
Phone	
Email	
Website	

<b>3. Test laboratory of cell</b>	
Name	
Address	
Phone	
Email	
Website	

<b>4. ID-number and date</b>			
Unique test report identification number		Date of test report	

## DESCRIPTION OF CELL

<b>5. Mark the type of cell/battery with an "•"</b>			
	Lithium ion cell		Lithium metal cell



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Name/Description of cell (taken from field 1)

6. Parameters	Cell
Mass in gram (g):	
Lithium ion: Indicate watt-hour rating (Wh):	
Lithium metal: Indicate lithium metal content in gram (g):	

7. Physical description of cell

8. Model numbers

## TESTS AND RESULTS

9. List of tests conducted and results - Mark N/A, pass or fail with an " "	N/A	pass	fail
T1 - Altitude simulation			
T2 - Thermal Test			
T3 - Vibration			
T4 - Shock			
T5 - External Short Circuit			
T6 - Impact - for cylindrical cells having a diameter of at least 18 mm			
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18 mm			
T7 - Overcharge			
T8 - Forced Discharge			

10. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto



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## ADDITIONAL SUPPLIER INQUIRY

<b>11. Quality management system for manufacturing cells</b> Does the manufacturer of the cell/battery manufacture the products based on a documented quality management system according to transport regulations?		YES	NO	
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<b>12. Are the following parameters exceeded?</b> Lithium ion cell: more than 20 Wh Lithium metal cell: more than 1 g Lithium		YES	NO	
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<b>Check point 13 – 15 need to be answered when 13 has been ticked "YES":</b>				
<b>13.</b> Does each cell incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?		YES	NO	
<b>14.</b> Is each cell equipped with an effective means of preventing external short circuits?		YES	NO	
<b>15.</b> Is each battery containing cells or series of cells connected in parallel equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.)		Not relevant for cells		N/A

<b>16. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion cells and lithium polymer cells</b>				
State of Charge (SoC) max. 30 %		N/A	YES	NO

## CELLS INSTALLED IN EQUIPMENT

<b>17. Check point 17 needs to be answered when the cells are installed in articles:</b>				
<b>17.a)</b> Only button cells enclosed?		YES	NO	
<b>17.b)</b> Number of enclosed cells (other than button cells) per equipment				
<b>When the equipment is intentionally active/switched on during transport e.g. data loggers:</b>				
<b>17.c)</b> Confirmation that no dangerous amount of heat is emitted from the equipment		N/A	YES	NO
<b>17.d)</b> Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160		N/A	YES	NO

<b>18.</b> Place, Date	<b>19.</b> Title, Surname, First name	<b>20.</b> Company stamp and signature
		