

# UN 38.3 Test Summary Report

Lithium Cell or Battery Test Summary in Accordance with Section 2.9.4 UN Model Regulations and Sub-section 38.3 of the UN Manual of Tests and Criteria, Part III, subsection 38.3.5

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| <input type="checkbox"/> [a] Cell <input checked="" type="checkbox"/> Battery <input type="checkbox"/> Product<br><input type="checkbox"/> Tested Type Part #: S1P3/SL-860<br><input checked="" type="checkbox"/> Same Type Part #: S1P3/SL-760                               |
| <b>[b] Manufacturer</b><br>Tadiran Batteries GmbH<br>Industriestrasse 22<br>63654 Buedingen<br>Germany<br>T. +49 6042 954 0<br><a href="mailto:info@tadiranbatteries.de">info@tadiranbatteries.de</a><br><a href="http://www.tadiranbatteries.de">www.tadiranbatteries.de</a> |

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| <input type="checkbox"/> [d] Unique report ID: 13/09   |
| <input type="checkbox"/> [e] Report date: 2009.05.29   |
| <b>[c] Test Laboratory</b><br>Tadiran Batteries GmbH<br>Industriestrasse 22<br>63654 Buedingen<br>Germany<br>T. +49 6042 954 0<br><a href="mailto:info@tadiranbatteries.de">info@tadiranbatteries.de</a><br><a href="http://www.tadiranbatteries.de">www.tadiranbatteries.de</a> |


**Same Type Part Numbers # (all):** All configurations with harness and cable of this battery with part number: 14 3 0860x xx

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| <input type="checkbox"/> [f] (i) Li-ion <input checked="" type="checkbox"/> Li-metal.  |
| <p>(iv) <b>Description:</b> Primary (non-rechargeable) 3.7 V Lithium Thionyl Chloride (Li-SOCI<sub>2</sub>) battery, assembled from 3 (three) "AA" sized SL-860 cells. The S1P3/SL-860 battery may come with optional suffixes consisting of a "/" followed by one or more letters and a digit. These suffixes indicate different types of finishing to the battery e.g. harness.<br/>         Tadiran manufactures all cells/batteries under a quality management system as required under this regulation.</p> <p>(ii) Mass: 60 g<br/>         (iii) <input type="checkbox"/> Watt hour rating or <input checked="" type="checkbox"/> Lithium content: 1.95 g<br/>         (v) <input type="checkbox"/> Cell <input checked="" type="checkbox"/> Battery <input type="checkbox"/> Product. Model number/Part number: S1P3/SL-860</p> |


| [g] List of Tests Conducted                      | Result (Pass / Fail / N.A.) | Test record reference |
|--|-----------------------------|-----------------------|
| 38.3.4.1 T.1: Altitude simulation                | Pass                        | Summery page 1        |
| 38.3.4.2 T.2: Thermal test                       | Pass                        | Summery page 1        |
| 38.3.4.3 T.3: Vibration                          | Pass                        | Summery page 1        |
| 38.3.4.4 T.4: Shock                              | Pass                        | Summery page 1        |
| 38.3.4.5 T.5: External short circuit             | Pass                        | Summery page 1        |
| 38.3.4.6 T.6: Impact/Crush (cell only test)      | Pass                        | Summery page 1        |
| 38.3.4.7 T.7: Overcharge (N.A for Li-metal only) | N.A.                        | N.A.                  |
| 38.3.4.8 T.8: Forced discharge (cell only test)  | Pass                        | Summery page 1        |

[h] Battery assembly:  Not Applicable.  UN38.3.3 (f)  UN38.3.3 (g)

[i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3. *Forth revised edition*

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| <input type="checkbox"/> [j] Signatory A. Date: 2018.02.12<br>Name: Marc Henn<br>Title: Application Engineering Manager<br>Signature:<br> |
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| <input type="checkbox"/> [j] Signatory B. Date: 2018.02.12<br>Name: Olaf G. Lichtlein<br>Title: General Manager<br>Signature:<br> |
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**Important!** The above signatory / signatories affirm that this document is a true and correct summary of the original individual tests and test data. The original test data is confidential information available to competent State Authorities with valid identification and only upon their formal request. Disclosure of the original test data to any other entity upon its request will be considered by Tadiran and, should Tadiran consider this request is with merit, may be subject to the prior execution of a nondisclosure agreement.