## LITHIUM CELLS OR BATTERIES TEST SUMMARY

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

### BATTERY TRANSPORTATION INFORMATION

<table>
<thead>
<tr>
<th>Name of battery:</th>
<th>Item Number: 436069</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item Name:</td>
<td>Battery Li-Ion 3.6V 13.4Ah</td>
</tr>
<tr>
<td>Item Description:</td>
<td>Battery pack Iridium GPS System</td>
</tr>
<tr>
<td>Battery supplier / manufacturer’s contact information:</td>
<td>Kongsberg Maritime: +47 815 73 700, kongsberg.com</td>
</tr>
<tr>
<td></td>
<td>Fey Elektronik GmbH: +49 (0)40-703 8888 0, feyelektronik.de</td>
</tr>
<tr>
<td>Item Name:</td>
<td>Strandpromenaden 50</td>
</tr>
<tr>
<td></td>
<td>3183 Horten, Norway</td>
</tr>
<tr>
<td></td>
<td>Storchenweg 3</td>
</tr>
<tr>
<td></td>
<td>21217 Seevetal, Germany</td>
</tr>
</tbody>
</table>

### Name of the test laboratory:

Fey Elektronik GmbH
Storchenweg 3
21217 Seevetal
Germany
+49 (0)40-703 8888 0
feyelektronik.de

### Test report id. number:

UN.PB.PA-UL-LNB55Q.R001

### Date of the test report:

03.08.2015

### List of tests conducted and results (i.e. pass/fail):

- **Test T.1**: Altitude Simulation | Pass
- **Test T.2**: Thermal test | Pass
- **Test T.3**: Vibration | Pass
- **Test T.4**: Shock | Pass
- **Test T.5**: External short circuit | Pass
- **Test T.6**: Impact/ crush | Not applicable*
- **Test T.7**: Overcharge | Pass
- **Test T.8**: Forced discharge | Not applicable*
- **Test P.1**: Packing test | Pass

### Description of battery:

This Battery pack is used for the Iridium GPS System in KM Marine Robotics solutions.

This battery pack is manufactured by Fey Elektronik GmbH, but Kongsberg Maritime is the supplier.

Battery type: Lithium Ion
Battery energy: 48 Wh
Battery dimensions: 67 x 37 x 42mm
Battery weight: 192 g

### Additional testing comments:

* Written as passed in report with reference to test performed by cell manufacturer.

### Reference to revised edition of the Manual of Tests and Criteria:

Revision 5

### Does the battery comply with the 30% state of charge (SOC):

Yes

### PRODUCT CLASSIFICATION FOR TRANSPORT (According to UN - DGP)

**UN Classification:**

**UN 3480**

**Shipping name:**

Lithium Ion batteries

**Signature (name and title):**

Kevin Eriksen
Battery responsible

**Date:**

06.01.2019

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This document remains valid as long as no changes, modifications, or additions are made to the battery described in this document, after being transported from Kongsberg Maritime’s facilities. This battery has been classified according to the applicable transport regulations and the UN Manual of Tests and Criteria as of the date of certification. The battery must be packed, labeled and documented according to country and other international regulations for transportation.