**BATTERY TRANSPORTATION INFORMATION**

**Name of battery:**
- **Item Number:** 390997
- **Item Name:** Battery K235-4.5k Complete
- **Item Description:** 450bar pressure rated battery module.

**Battery manufacturer’s contact information:**
- **Kongsberg Maritime**
- **Strandpromenaden 50**
- **3183 Horten**
- **Norway**
- **+47 815 73 700**
- **kongsberg.com**

**Name of the test laboratory:**
- **Norwegian Defence Research Establishment (FFI)**
  - Institutteien 20
  - NO-2007 Kjeller
  - Norway
  - (+47) 63807000
  - ffi@ffi.no

**Test report id. number:** 11/00882
**Date of the test report:** 15.12.2010

**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 : Not applicable *
- **Test T.8:** Forced discharge : Not applicable

**Description of battery:**
This is a battery module used in the HUGIN AUV. One HUGIN AUV system may have any number from 2 to 15 of these modules.

- **Battery type:** Lithium Ion
- **Battery energy:** 8524.8 Wh
- **Battery dimensions:** 1468 x 248 x 145mm
- **Battery weight:** 92 kg

**Additional testing comments:**
*This battery block is not a stand alone battery, and includes no overcharge protection. This is taken care of by a separate BMS inside a complete battery module.

The test above is applicable for the battery blocks inside this battery module. This complete battery module is covered by UN38.3.3(g).

**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:** 13.01.2019

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.