
 DNV	IECEX QUALITY ASSESSMENT REPORT	 IEC IECEX
IECEX QAR Reference No.: NO/NEM/QAR13.0015/07 Audit Report No.: NEM-QAR-PRJ0013995		



ExCB Project No.:	PRJ0013995
Manufacturer Include Address with post code	Kongsberg Discovery AS Strandpromenaden 50 N-3183 Horten NORWAY
Production Site(s) audited Include Address with post code	Kongsberg Discovery AS Strandpromenaden 50 N-3183 Horten NORWAY
Product Description	Transducers; Transponders
Employee count	Total onsite: 539 Total involved in Ex products: 15
Scope of Audit	Initial Assessment <input type="checkbox"/> Re-Assessment <input type="checkbox"/> Surveillance Assessment <input checked="" type="checkbox"/> Special Assessment <input type="checkbox"/>
Scheme	IECEX <input checked="" type="checkbox"/> Other (specify) <input type="checkbox"/>
Electrical equipment with type(s) of protection of	d <input checked="" type="checkbox"/> e <input type="checkbox"/> h <input type="checkbox"/> i <input type="checkbox"/> m <input checked="" type="checkbox"/> n <input type="checkbox"/> p <input type="checkbox"/> t <input type="checkbox"/> op <input type="checkbox"/> Other (specify) <input type="checkbox"/>
Audit Team Leader	Reidar Syversen
Audit Date	2023-11-10

Contents:

1. Summary Report
2. Audit information
3. Documentation Review and Assessment of Implementation
4. Certificate List
5. Audit Non-Conformities and Observations

NOTE: whilst some parts of this form / template are optional there is an expectation that all ExCBs will

- use the form as published
- only add content, and
- not ignore the non-optional aspects

 DNV	 Nemko
DNV Product Assurance AS Veritasveien 3 NO-1363 Høvik, Norway www.dnv.com ENTERPRISE NUMBER NO997067401	Nemko Group AS Philip Pedersens vei 11 NO-1366 Lysaker, Norway www.nemko.com ENTERPRISE NUMBER NO974404532

1. Summary Report

Assessment Summary and Conclusions:

*(State the most important **results** and **conclusions** of the quality assessment)*

The assessment is performed based on the agenda issued to and agreed with the manufacturer.

The QAM system is common for the whole Kongsberg Discovery and Kongsberg Maritime. Using Aris.

The QA-manual will be separate for Kongsberg Discovery.

The manufacturer has changed name from Kongsberg Maritime AS, Sensors and Robotics to Kongsberg Discovery AS and is a the new legal unit. Kongsberg Discovery AS is still a part of KONGSBERG Group.

There are totally 539 employees in Kongsberg Discovery AS in Horten. About 15 persons are involved in the Ex production and related activities. The Ex production is being carried out by Kongsberg Discovery AS in Horten.

(Cl. 7.5.3 / 8.6) Reviewed certificate(s): Nemko 13ATEX1576X / IECEx NEM 13.0044X. (No production of the product in certificate NEMKO 11ATEX1129X, model CLM for the last 10 years.)

Applicable routine test: N/A. Several checks and tests as; visually; acoustic; pressure; insulation resistance; are conducted and documented according to instruction and checklist.

Suppliers of enclosure/enclosure parts are considered safety critical (steel housing), as well as supplier of moulding materials.

According to information received there are one supplier of enclosure parts; Fredrik Svensson AS, Nordre Kullerød 15, 3241 Sandefjord, Norway. Supplier evaluation done 2023-06-27 and on-site audit done 2022-06-08 by Kongsberg Discovery AS. Audit reports seen.

Batteries are delivered by Saft Poitiers, France. Supplier evaluation done 2023-08-22 and on-site audit done 2022-09-07 by Kongsberg Discovery AS. Audit report seen.

It must be expected that Nemko could do audits of critical enclosure part suppliers, if found needed, anytime during the validity time of the QAN/QAR. Such audit will cover the relevant requirements in (EN) ISO/IEC 80079-34:2018 (2020) part 7.5.3 (implementation of production documents), 5.3 (Coordinator against customer, Ex), 7.1.5, 7.2, 8.4, 8.5.1, 8.5.2, 8.7, 9.2, A.2 and A.3.

Kongsberg Discovery AS must conduct critical supply reviews/audits within the period stated in part 8.4.1 f).

Ex production is done by customers order as well for stock.

Next Quality Audit due : 2025-03 (re-assessment)

Non-Conformities

(Indicate the Serial No.(s) of non-conformities recorded. Individual non-conformities are recorded on the non-conformity reports)

NCR No.(s): 0
See Nemko Ex audit report PRJ0013995

Audit Team Leader Recommendations

- Notification / Certification to be issued/maintained**
once satisfactory technical assessment of the product is completed, and a test report is issued.
- Notification / Certification to be issued/maintained**
following receipt of satisfactory documentary evidence supporting effective corrective action, and a test report is issued. Corrective action to be verified at next surveillance visit.
- Notification / Certification to be issued/maintained**
following a satisfactory follow-up visit and verification that corrective actions have been effectively documented and implemented, and test report issued.
- Notification / Certification to be refused/suspended**
a further complete assessment to be conducted
- Notification / Certification to be refused/suspended**
close the application/withdraw the notification and inform the Scheme Administrator



Reidar Syversen

Audit Team Leader Signature

Ståle Sandstad

ExCB Technical Reviewer

2. Audit Information

2.1 Scope of Audit:

- Type A initial assessment/reassessment of manufacturer **with** a certified QMS*
- Type B initial assessment/reassessment of manufacturer **without** a certified QMS.....
- Type C surveillance of manufacturer **with** a certified QMS*
- Type D surveillance of manufacturer **without** a certified QMS.....

** where manufacturer has a certified quality system, include certification/registration body, date of registration, certificate No. and scope or append a copy of the certificate (including scope)*

2.2 Audit Criteria

List any other reference documents, against which Audit was conducted

: OD 025 Ed. 3.1
 ISO/IEC 80079-34:2018
 ISO 9001:2015

2.3 Date(s) and Duration of Audit

Include total number of auditor days on site

: 2023-11-10,
 Totally 1 auditor day on site

2.4 Details of ISO 9001 Certification:

ISO 9001 certificate No	Certified by	Expiry date	Scope
C627099	DNV	2026-06-01	Sales, rental, delivery, customer support, product development and management, manufacturing and supply chain of systems, services and products portfolio of Marine Life Technologies, Ocean Technologies and Uncrewed Platforms for maritime industry.

If ISO 9001 certified, are non-conformities from latest ISO 9001 audit reviewed?

- Yes
- No
- N/A (no NCs)

Comments to ISO 9001 non-conformities.

0 NCR's and 4 observations noted. Not relevant for the Ex process. (All in process for being updated.)

2.5 Composition of Audit Team:

Name	Position	Role in Audit (Sole Auditor, Team Leader, Auditor, Technical Specialist, etc)
Reidar Syversen	ATEX & IECEx Lead Auditor	Sole Auditor

2.6 Interviewed Representatives of Manufacturer (Auditee):

Name	Position
Karol Jan Jankowski	Global Quality Manager
Harald Aas-Aune	Manager Mechanical Design, UA / Ex Responsible
Thomas Egeland	Purchaser / Ex Deputy
Bodil Udstuen	Product Manager
Jeppe Øvstaas	Supply Chain Quality Manager
Jørn Straume	Test Engineer

2.7 External Providers: (Use this table to list External Providers reviewed during audit of supplier evaluation)

Name of Provider	Critical item or service provided
Fredrik Svensson AS	Supplier Ex d enclosure parts
Saft Poitiers	Batteries

2.8 Manufacturers Documentation: (List manufactures documentation related to this Quality Audit Report)

See Nemko Ex audit report [PRJ0013995](#)

2.9 IECEX QAR history:

Revision	Description	Issue date
	See IECEX.com for previous history	-
06	Re-assessment	2022-07-13
07	Surveillance assessment	2023-11-23

3. Documentation Review and Assessment of Implementation

See Nemko Ex audit report [PRJ0013995](#)

Requirement	Documents reference and/or comments	Verdict
ISO 9001:2015.	Document references and/or comments are given in the Nemko Ex audit report, if relevant	P
ISO/IEC 80079-34 addition to ISO 9001:2015	Document references and/or comments are given in the Nemko Ex audit report, if relevant	P

4. List of certificates relating to IECEX QAR No mandated format required

See Nemko Ex audit report [PRJ0013995](#)

5. Audit non-conformities and Observations

See Nemko Ex audit report [PRJ0013995](#)