

Inspection and Surveillance of Production Facilities

ANNUAL SURVEILLANCE

Company's Name (confirm as indicated on the TA Certificate):

KONGSBERG MARITIME AS (Horten)

Date of Inspection:09/02/2016

Control No. OSL1600051

Full Postal Address of Company:

Bekkajordet 8A,
3189 HORTEN
Norway

Contact Name:

Geir Gjertsen

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Place of Production (confirm as indicated on the TA Certificate):

Kongsberg Maritime
Bekkajordet 8A,3189 Horten Norway

Are there any additional places of production:

Shanghai, KMCJ, Zhenjiang, + Korea

Is the firm QA-approved to any standard:

ISO 9001-2008

If so, who has issued the QA certificate: NEMKO and DNV-GL MED-D-2014

QA certificate number and date:

NEMKO 900662, 2014/04/09, DNV-GL MED-D-2014 2014/04/09, 01/01/2015

Does the firm possess an in-house QA procedure suitable for the Type Approval product(s):

Testing R&D, System test, FAT procedure

Product:

Propulsion Control System. Thruster Control System, Steering Control System, Sensor production, Winch production, Main EL Switch board

Are copies of standards listed in the Type Approval Certificate available:

Yes.

Type (confirm as indicated on the TA Certificate):

K-Chief 600, Auto Chief AC 20, Auto Chief 600, K-Thrust 600, K-Steering 600, Remote support system MALWARE.

We confirm that the subject manufacturing facilities have been inspected and verified that a satisfactory Quality Control System is in place to ensure each subsequent manufactured product will be in Conformity with that which was type tested.

Surveyor's name, Lloyd's Register stamp including office and date:

Stein M. Vangen

Date 09/02/2016

Stein M. Vangen
Oslo Office



Lloyd's Register EMEA

Stein M. Vangen

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COMPONENTS / MATERIAL CONTROL

Control No. OSL1600051

Are components/material inspected on arrival (documentation, quantities, visual, dimensions, marking etc.) and a record kept with testing carried out, where necessary:

DPU tested by subcontractor and in house during FAT.

Kongsberg are doing random test at subcontractor's factory.

Are non-conforming components segregated/marked:

Yes. (Segregated in special area and marked accordingly.)

Is there a written procedure for non-conformity:

Yes As per internal document GUI4022, and PRO-0003 (version 7)

Is there a written procedure for incoming components/ materials storing.

Yes as per procedure: PRO-0003, PRO-0107

Is storing of incoming components / materials carried out in accordance to these procedures:

Yes, as per procedure: PRO-0210, PRO 0102

Have there been any changes to the product; if so have these been approved and documented. If not, details are to be submitted:

All changes are reported direct to Lloyd's Register when type approval certificate are to be updated.

Inspection and Surveillance of Production Facilities

ASSEMBLY / CONSTRUCTION, INSPECTION AND TESTING

Control No. OSL1600051

Are there written manufacturing / assembly procedures and is production in accordance with the procedures:

Yes.
As per internal procedure PRO-0103

Are there written inspection procedures during manufacture and for finished components and is inspection carried out in accordance with these procedures:

Yes as per internal FAT procedure 332948

Is there a written procedure for non-compliance including finished components and can this procedure be demonstrated:

Yes, as per internal procedure PRO-0003

Are non-conforming components handled and identified in a suitable manner:

Yes. as per internal procedure PRO-0003, GUI-4022

Are all the in-house testing instruments calibrated with traceable calibration records:

New instrument are purchased regularly and no calibration is therefore not needed .

Are there written in-house test procedures:

As per form 332948 covering all FAT procedure.

Is the system for recording test results satisfactory and all the test reports made available to surveyors with supporting documentation, where required:

As per internal document instruction GUI-4022

Inspection and Surveillance of Production Facilities

MARKING AND PACKAGING

Control No. OSL1600051

Are there written procedures for marking components and is marking carried out in accordance with the procedure:

Yes, as per procedure PRO-0102

Are there written procedures for storage and packaging components and is storage and packaging carried out in accordance with these procedures:

Yes, as per procedure PRO-0102

Are there production records of all Type Approved products available:

Yes

Remarks:

No.