Production Quality Assessment Form

FORM–PQA (version 2016.10)

This form should be used in conjunction with Lloyd's Register Type Approval procedure TA14 for initial or periodical assessment of the Place of Production.

Control No.: OSL1700048	
1. Manufacturer details:	
Name:	Kongsberg Maritime AS
Address:	Skonnertveien 1 N - 7053 Ranheim
2. Nominated contact:	
Name:	Børge Håvard Jenssen
Position:	Senior Coordinator Logistics
Email:	borge.haavard.jenssen@km.kongsberg.com
3. Manufacturer plant (if different from above):	
Name:	
Address:	

4. Type of assessment.	Periodical	(Delete as applicable)
5. Product:	6. Type Approval Certificate:	7. DAD:
	Renewal TA 10/70107	

8. Documents:	
Company profile (for new manufacturer only)	☐
ISO Management System certification 9001:2008 NEMKO (expires 2017.06.01)	☒
Other quality control accreditation TÜV Nord, IECEx, DNV	☒
LR Design Review including examined plans	☐
Product Brochures	☐

If the manufacturer does not hold any quality control management accreditation, an audit of the in-house quality control system by a LR surveyor is required and an audit report should be submitted for review.

9. Product Design Modifications:	
Product(s) are manufactured in accordance with examined plans	☐
Product(s) are manufactured in accordance with modified plans	☐
Modifications have been reviewed and accepted	☐
Modified plans are to be submitted for examination	☐

We confirm that the subject manufacturing facilities have been inspected and verified that a satisfactory Quality Control System is in place to ensure that the product(s) can be consistently produced in accordance with the Type Approval Certificate(s) for the product(s) concerned.

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

Arild Bachke 7 April 2017

Stein M. Vangen

Lloyd's Register

Stein M. Vangen
Oslo Office
Lloyd's Register EMEA

LR031.1.2016.06

Control No.: OSL1700048		
10. Components / Material Control:	Yes	No

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Are non-conforming, incoming components/materials segregated/marked? segregated/marked?	☒	☐
Have there been non-conforming, incoming components/materials? components/materials?	☒	☐
What actions have been taken? Give details of reject- or repair procedures followed. *Rejected components are tagged and marked with description of defect. Rejected components are stored in designated marked boxes, away from other components. Further action depends on type and number of component(s). (Repair, reject or return to manufacturer)*		
11. Assembly / Construction, Inspection and Testing:	Yes	No
Are the in-house testing instruments calibrated?	☒	☐
Have there been rejected in-house testing instruments?	☐	☒
What actions have been taken? Give details of the procedures followed to investigate the acceptability of products manufactured since previous calibration. *In-house calibration by a designated person and by 3rd party test laboratories. Electronic calibration log. Instruments are id-numbered and expiry date is marked.* *with calibration expiry date.*		
Are test- and inspection reports of finished components available?	☒	☐
Have there been rejected components?	☐	☒
What actions have been taken? Give details of reject- or repair procedures followed.		
12. Marking and Packaging:	Yes	No
Are the products marked with suitable identification to ensure traceability?	☒	☐
If not, what are the remedial actions agreed/taken? *Main components for deck installation are laser engraved (type, S/No., approvals)*		
Are the products protected with suitable packaging to avoid damage during transportation and/or storage? *Cartons and sturdy wooden crates were seen being used.*	☒	☐
If not, what are the remedial actions agreed/taken?		
13. Service feedback:	Yes	No
Has there been service feedback for product failure or inadequate performance?	☒	☐

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If yes:

- Full details are to be submitted for re-evaluating the Type Approval Certificate.
- What are the remedial actions agreed/taken?

Case presented:

Due to a change of subcontractor a series of printed circuit boards were delivered with a component with slightly increased physical height resulting in malfunction of a small number of units when mounted.

All units containing these components were flagged in the S/No. register for check at the first opportunity. A service bulletin containing detailed information on how to identify and change this component was distributed to all service centers.

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