




Production Quality Assessment Form

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.: OSL1900153 | | |
| 1. Manufacturer details: | | |
| Name: | Kongsberg Maritime AS | |
| Address: | Skonnertveien 1 N-7053 Ranheim | |
| 2. Nominated contact: | | |
| Name: | Børre Håvard Ienssen | |
| Position: | Senior Coordinator Logistics | |
| Email: | Borre.havard.ienssen@km.kongsberg.com | |
| 3. Manufacturer plant (if different from above): | | |
| Name: | | |
| Address: | | |
| 4. Type of assessment: | Periodical | |
| 5. Product: | 6. Type Approval Renewal 18/20065 | 7. DAD: |
| 8. Documents: | | |
| Company profile (for new manufacturer only) | | <input type="checkbox"/> |
| Certified NS-EN 9001:2015 NEMKO. expires 2020.06.01 | | <input checked="" type="checkbox"/> |
| Other quality control accreditation DNV GL Presafe (POAN), IECEx, DNV GL | | <input checked="" type="checkbox"/> |
| LR Design Review including examined plans | | <input type="checkbox"/> |
| Product Brochures www.km.kongsberg.com/products | | <input checked="" type="checkbox"/> |
| 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 | | <input type="checkbox"/> |
| Product(s) are manufactured in accordance with modified plans | | <input type="checkbox"/> |
| Modifications have been reviewed and accepted | | <input type="checkbox"/> |
| Modified plans are to be submitted for examination | | <input type="checkbox"/> |
| 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. | | |
| Remarks: | | |
| Surveyor's name, Lloyd's Register stamp including office and date: | | |
| ARILD BACHKE |  | 06 June 2019 |

Arild Bachke OSL 1900153



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| 10. Components / Material Control: | Yes |
| Are non-conforming, incoming components/materials segregated/marked? | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Have there been non-conforming, incoming components/materials? | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| What actions have been taken? Give details of reject- or repair procedures followed. <i>Rejected components are tagged, marked and stored in a designated area, away from production. Depending on type of anomaly defective products are repaired in-house, returned to Manufacturer or scrapped.</i> | |
| 11. Assembly / Construction. Inspection and Testing: | Yes |
| Are the in-house testing instruments calibrated? | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Have there been rejected in-house testing instruments? | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| What actions have been taken? Give details of the procedures followed to investigate the acceptability of products manufactured since previous calibration. <i>In-house calibration by a designated engineer and by 3rd party test laboratories (typically Justervesenet, KIWA)</i> | |
| Are test- and inspection reports of finished components available? | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| Have there been rejected components? | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| What actions have been taken? Give details of reject- or repair procedures followed. | |
| 12. Marking and Packaging: | Yes |
| Are the products marked with suitable identification to ensure traceability? | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| If not, what are the remedial actions agreed/taken? | |
| Are the products protected with suitable packaging to avoid damage during transportation and/or storage? <i>Carton and solid wooden crates are used.</i> | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| If not, what are the remedial actions agreed/taken? | |
| 13. Service Feedback: | Yes |
| Has there been service feedback for product failure or inadequate performance? | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| If yes: | |
| - Full details are to be submitted for re-evaluating the Type Approval Certificate. | |
| - What are the remedial actions agreed/taken? | |
| <i>Anomaly reports from service engineers and or equipment users are analysed and filed by the product engineering department.</i> | |