

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00004XC
Revision no.:
4

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

that the **Means of rescue**

with type designation(s)
12 MOR and 12 MOR S30

issued to

Viking Life-Saving Equipment A/S
Esbjerg V, Denmark

is found to comply with the Implementing Regulation (EU) 2024/1975 for
Item no. **MED/1.28 (Row 1 of 1)**
according to the following requirements:

SOLAS 74 Reg. III/26, SOLAS 74 Reg. III/34, IMO Res. MSC.48(66)-(LSA Code) I, IMO Res. MSC.48(66)-(LSA Code) VI, IMO MSC.1/Circ.1632, SOLAS 74 Reg. III/4

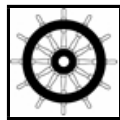
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2025-05-06**

Expiry date: **2029-10-17**

DNV local unit:
Denmark CMC

Approval Engineer:
Tessa Biever



Notified Body
no.: **0575**



for **DNV AS**

Digitally Signed By:
Permoda, Jowita
on behalf of

Christine Mydlak-Röder
Head of Notified Body



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.
This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV AS of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.
Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

Product description

'12 MOR and 12 MOR S30',

The Means of Rescue (MOR) is constructed as a modified inflatable davit launched liferaft for transfer of persons from water level to the deck of a ship.

For the MOR with type designation S30: The MOR is packed in a sealed packing bag to allow for extended service intervals up to 30 months iaw IMO MSC.1/Circ.1328 (extended service intervals).

Application/Limitation

Approved as Means of Rescue (MOR).

Max. number of persons @82.5 kg - lying down: 12

Max. number of persons @82.5 kg - sitting down: 22

Max. load of persons @82.5 kg: 1875 kg

The MOR shall at all-time be attached, or ready for immediate attachment, to a dedicated launching appliance meeting the requirements of the LSA Code Ch. 6.1, capable of lifting the MOR with full mass of persons at 0.3 m/s from the water to the deck of the ship.

The Means of Rescue shall be packed in a container constructed according to the approval documentation below.

Gas cylinders and components in the pressure gas systems shall be of an approved type.

The design assessment is based on International Life-Saving Appliances (LSA) Code, IMO Res. MSC.48(66) as amended by IMO Res. MSC.218(82) and IMO Res. MSC.293(87) and IMO MSC/Circ.810.

Production testing shall be carried out according to requirements for davit-launched inflatable liferafts in IMO Res. MSC.81(70) part 2 as amended.

The MOR is subject to an annual onboard inspection.

The MOR is approved for extended service intervals up to 30 months in accordance with SOLAS Reg. III/20.8.3 on the condition that:

1. Such extended service intervals has been approved by the ships Flag administration.
2. The MOR is checked onboard in accordance with SOLAS Reg. III/20.8.3.2 at intervals in accordance with SOLAS Reg. III/20.8.1.1, according to procedures issued by the manufacturer.
3. The MOR shall be serviced at approved servicing stations in accordance with the recommendations in IMO Res. A.761(18) at intervals not exceeding 30 months.

Type Examination documentation

Please see Appendix: Type Examination Documentation

Tests carried out

The following test are witnessed and/or evaluated by DNV and found to be in compliance:

- Prototype tests in accordance with the Recommendation on Testing of Lifesaving Appliances, IMO Res. MSC.81(70) part 1, and IMO MSC/Circ.810.
- Tests and reports in accordance with test requirements listed in IMO MSC.1/Circ.1328, 5.4.2-5.4.10.
- Test reports supporting design changes (see Appendix).



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Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation, dimensions, date of manufacture and the MED Mark of Conformity (see first page). The marking shall comply with IMO MSC/Circ.810, 2.4.2.4 and 2.4.2.9 and the LSA Code Ch. 4.2.7.

APPENDIX

Type Examination documentation

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Document No.	Rev.	Title
4958		Test report - witnessed by DNV
4959		Test report - witnessed by DNV
4960		Test report - witnessed by DNV
4961		Test report - witnessed by DNV
4962		Test report No. 4962 - witnessed by DNV
4963		Test report - witnessed by DNV
4964		Test report - witnessed by DNV
4965		Test report - witnessed by DNV
4966		Test report - witnessed by DNV
4967		Test report - witnessed by DNV
4968		Test report - witnessed by DNV
4970		Test report - witnessed by DNV
4865		Test report - witnessed by DNV - Weight test NK300C New Gen 35DKF+ GXFN
4866		Test report No. 4866 - witnessed by DNV - Weight test NK300C New Gen 39DKFS S298
4870		Test report - witnessed by DNV - Ambient inflation NK300C New Gen 35DKF+ GXFN
4871		Test report - witnessed by DNV - Ambient inflation NK300C New Gen 39DKFS S298
4878		Test report - witnessed by DNV - Davit liferaft strength test NK300C New Gen 39DKFS GXFN
4879		Test report - witnessed by DNV - Davit liferaft strength test NK300C New Gen 35DKF+ S298
4869		Test report - witnessed by DNV - Lifting components strength test NK300C New Gen GXFN
4953		Test report - witnessed by DNV - Lifting components strength test NK300C New Gen S298
4867		Test report - witnessed by DNV - Painter system test 25DKF+ NK300C New Gen GXFN
4868		Test report - witnessed by DNV - Painter system test 35DKF+ NK300C New Gen GXFN
4954		Test report - witnessed by DNV - Painter system test 25DKF+ NK300C New Gen S298
4955		Test report - witnessed by DNV -Painter system test 35DKF+ NK300C New Gen S298
4872		Test report - witnessed by DNV - Cold inflation No.1 NK300C New Gen 35DKF+ GXFN
4873		Test report - witnessed by DNV - Cold inflation No.1 NK300C New Gen 39DKFS S298
4874		Test report - witnessed by DNV - Cold inflation No.2 NK300C New Gen 35DKF+ GXFN
4875		Test report - witnessed by DNV - Cold inflation No.2 NK300C New Gen 39DKFS S298

4876	Test report - witnessed by DNV - Hot inflation NK300C New Gen 35DKF+ GXFN
4877	Test report - witnessed by DNV - Hot inflation NK300C New Gen 39DKFS S298
4880	Test report - witnessed by DNV - Cold overload test NK300C New Gen 35DKF+
4881	Test report - witnessed by DNV - Cold overload test NK300C New Gen 39DKFS
4844	Test report - witnessed by DNV - Mooring out test VTH 35DKF+ NK300C New Gen GXFN_2025-02-10
4863	Test report - witnessed by DNV - Mooring out test VBG 100DKS NK300C New Gen GXFN STD NEW GEN
4843	Test report - witnessed by DNV - 3xWP after Mooring out VTH 35DKF+ NK300C New Gen GXFN
4864	Test report - witnessed by DNV - 3xWP after Mooring out VBG 100DKS NK300C New Gen GXFN STD
5026	Test report - witnessed by DNV - Cold inflation No.1 NK300C New Gen 50DKR GXFN STD
5027	Test report - witnessed by DNV - Cold inflation No.2 NK300C New Gen 50DKR GXFN STD
5048	Test report - Ozone resistance NK300C New Gen



APPENDIX

Type examination documentation

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Drawings	Date
Parts list No. 1025-003.2, "Viking Means of Rescue" and referred drawings/	1999-11-19
Parts list No. 43000459.000 "Viking Means of Rescue" and drawings: 43000459.001, 43000459.002	2014-03-19
Reports	Date
Technical Description of Viking Means of Rescue for 12 Persons	1999-06-28
Prototype test reports of various dates referred to in the conformity assessment report.	1999-08-01
Viking Conformity Assessment Report, type 12 MOR	1999-08-01
Design changes	Date
Design change 10339 – Plastic strapping around container - and supporting test reports: - 1887, 1888, 1901, 1902, 1903, 1904	2014-04-01
- Design change 10420 – Buoyancy Fabric NK300C from Conti Tech and supporting test reports: - 2595, 2596, 2667, 2733, 2734, 2673, 2674, 2688, 2682, 2683, 2767, 2768, 2675, 2676, 2677, 2678, 2668, 2669, 2686, 2687, 2692, 2685, 2693, 2684, 2752, 2689, 2690, 2691	2018-05-18
Additional buoyancy material (NK300C) supported by the following test reports:	
Prototype test in accordance with IMO Res. MSC.81(70), Part 1:	
- weft distortion dated 2017-12-18,	
- Test report no. 2747: Coating Adhesion dated 2018-04-13	
- Test report no. 2749: Oil resistance dated 2018-04-13	
- Test report no. 2750: Blocking resistance 2018-04-13	
Laboratory test report no 1530100000 rev. 13 dated 2018-03-05 for NK300C by Contitech Laboratory Northeim, Germany witnessed by DNVGL surveyor	
DNV GL verification statement N141GV0D dated 2018-03-15	
Design change 10422 – Alternative signal lamp and supporting test reports: - 2456, 2458, 2464, 2466	2018-05-25
Design change 10434 – Alternative hardener 'Desmodur RFE' and supporting test reports: - 2834, 2828, 2829, 2830, 2831, 2833	2018-10-08
Design change 10437 – Alternative hardener 'Beyond' and supporting test reports: - 2905, 2914, 2915 (3x over pressure test) - 2880, 2881, 2882, 2883, 2884, 2885 (seam strength tests) - 2920 (strength test – davit launched liferaft)	2018-12-10
Design change 10438 - Alternative hardener 'TM-93' and supporting test reports: - 2868, 2869, 2870, 2871, 2872, 2873, 2876, 2877, 2878, 2988, 2989, 2990, 3017, 3019	2019-04-23
Design change 10451 - Paintersystem with alternative hardener 'TM-93' and 'Beyond' and supporting test reports: - 3085, 3086	2019-04-23
Design change 10369-1 – 12MOR packed as S30 – and supporting testreports: - RD-00043-DI-001~016 - RD-00043-P-001~016 - RD-00043-D-001~008 - RD-00043-C-001~008 - RD-00043-FS-001~002	2019-09-30
Design change 10536 – Rubber Fabric NK205/2 – New Gen – and supporting test reports: - 4750, 4751, 4752, 4755, 4756, 4757, 4687, 4689, 4764, 4766, 4768, 4770, 4696, 4698, 4711, 4712, 4713, 4714, 4699, 4700, 4701, 4715, 4716, 4717, 4718, 4703, 4704, 4705, 4706, 4707, 4708, 4709, 4710	2024-05-24
Design Change 10546 – Rubber Fabric NK300C - New Gen – and supporting test reports:	2025-03-01



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- 4841, 4842, 4843, 4844, 4863, 4864, 4865, 4866, 4867, 4868, 4869, 4870, 4871, 4872, 4873, 4874, 4875, 4876, 4877, 4878, 4879, 4880, 4881, 4953, 4954, 4955, 4958, 4959, 4960, 4961, 4962, 4963, 4964, 4965, 4966, 4967, 4968, 5026, 5027, 5048.	
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