EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00001JD
Revision no.:
15

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, Veritasveien 1, 1363 Høvik, Norway under the authority of the Government of Norway.

This is to certify:

that the **Automatically self-righting liferafts: - inflatable**

with type designation(s)
12 DKFS, 12 DKFS S30, 12 DKFS E, 16 DKFS, 16 DKFS S30, 16 DKFS E, 20 DKFS, 20 DKFS S30, 20 DKFS E, 25 DKFS, 25 DKFS S30, 25 DKFS E, 35DKFS, 35 DKFS S30, 35 DKFS E, 39 DKFS, 39 DKFS S30, 39 DKFS E

issued to

Viking Life-Saving Equipment A/S
Sædding Ringvej 13-15 6710 Esbjerg V Denmark

is found to comply with the Implementing Regulation **(EU) 2026/1434** for
Item no. **MED/1.14a** (Row **2 of 2**)
according to the following requirements:
SOLAS 74 Reg. III/26, SOLAS 74 Reg. III/34, IMO Res. MSC.36(63)-(1994 HSC Code) 8, IMO Res. MSC.48(66)-(LSA Code) I, IMO Res. MSC.48(66)-(LSA Code) IV, IMO Res. MSC.97(73)-(2000 HSC Code) 8, IMO Res. MSC.481(102), IMO MSC/Circ.809, IMO MSC/Circ.811, IMO MSC.1/Circ.1328, SOLAS 74 Reg. III/4, SOLAS 74 Reg. X/3

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

Date of issue: **2026-09-03**

Expiry date: **2031-09-02**

for **DNV AS**

DNV local unit:
Denmark CMC

Approval Engineer:
Tessa Biever

Notified Body no.: **0575**

Digitally Signed By:
Christine Mydlak-Röder

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Automatic self-righting davit launched inflatable liferaft with the following type designations:
- 12 DKFS, 12 DKFS S30, 12 DKFS E
- 16 DKFS, 16 DKFS S30, 16 DKFS E
- 20 DKFS, 20 DKFS S30, 20 DKFS E
- 25 DKFS, 25 DKFS S30, 25 DKFS E
- 35 DKFS, 35 DKFS S30, 35 DKFS E
- 39 DKFS, 39 DKFS S30, 39 DKFS E

S30: added to type designation e.g. 25 DKFS S30. Liferaft tested according to MSC.1/Circ.1328 and packed in a sealed packing bag to allow for extended service intervals up to 30 months. The raft is subject to an annual onboard inspection.
E: added to type designation e.g. 25 DKFS E. Environmental packed liferaft prepared for extended service intervals.
Cargo: added to type designation e.g. 25 DKFS Cargo. Alternative variant for Cargo vessels.

Liferaft designs with type designation including S30 comply also with MSC.1/Circ.1328 (extended service intervals).

Application/Limitation

Approved as automatic self-righting davit launched inflatable liferafts.

The liferaft shall be packed with a SOLAS A PACK or SOLAS B PACK.

Gas cylinders shall be of an approved type.

Components in the gas inflation system should be approved according to ISO 15738:2019.

The liferaft is intended to be installed with external weak link and a hydrostatic release unit. Float free arrangement to be checked upon installation on board.

The design assessment is based on LSA Code as amended by IMO Res. MSC.218(82), IMO Res. MSC.293(87) and IMO Res. MSC.481(102).

Production testing shall be carried out according to IMO Res. MSC.81(70) part 2 as amended.

With ref. to 'Test carried out' the liferafts including the type designation S30 are 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 have been approved by the ships flag administration.
2. The liferafts are 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 liferafts shall be serviced at approved servicing stations in accordance with the recommendations in IMO Res. A.761(18) at intervals not exceeding 30 months.

Please see Appendix: Application/Limitation

Type Examination documentation

Please see Appendix: Type Examination Documentation

Tests carried out

The following tests have been witnessed and/or evaluated by DNV and found to be in compliance:
- Prototype tests and test reports in accordance with the Recommendation on Testing of Life-Saving Appliances, IMO Res. MSC.81(70) part 1, including IMO Res. MSC.226(82), IMO Res. MSC.295(87), IMO Res. MSC.323(89) and IMO Res. MSC.481(102) - Type I.
- Tests and reports in accordance with test requirements listed in MSC.1/Circ.1328, 5.4.2 - 5.4.10.
- Test reports supporting design changes (see Appendix).

Please see Appendix: Tests carried out

Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation, date of manufacture and the Mark of Conformity (see page 1). The marking shall comply with the LSA Code Ch. 4.2.6 and 4.2.7.

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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 - 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 - 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
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

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Tests and reports in accordance with test requirements listed in MSC.1/Circ. 1328 item 5.4.2 - 5.4.10 have been witnessed by DNV surveyor and evaluated and found to be in compliance (test report item 5.4.4 dd. 2009-09-01, item 5.4.6 dd. 2009-10-29, item 5.4.7 dd. 2009-10-28, item 5.4.8 - 5.4.10 dd. 2009-11-02/2009-11-04).

Tested according to the MarED recommendation for liferaft occupancy weight increase from 75 kg to 82.5 kg: 1027-1029, 1228, 1395, 1451, 1497, 1509, 1534, 1544, 1554, 1581-1587, 1589, 1591-1593, 1595-1603, 1605-1617, 1620, 1622, 1627-1642, 1655-1657 and 1683-1685.

Prototype tests and reports in accordance with test requirements listed in IMO Res. MSC 81(70) part 1 as amended as listed in Conformity Assessment report (CAR) for 12 DKFS, 12 DKFS S30 and 12 DKFS E dated 2021-06-25.

Prototype tests and reports in accordance with test requirements listed in IMO Res. MSC 81(70) part 1 as amended as listed in Conformity Assessment report (CAR) for 16 DKFS, 16 DKFS S30 and 16 DKFS E dated 2021-06-25.

Prototype tests and reports in accordance with test requirements listed in IMO Res. MSC 81(70) part 1 as amended as listed in Conformity Assessment report (CAR) for 20 DKFS, 20 DKFS S30 and 20 DKFS E dated 2021-06-25.

Prototype tests and reports in accordance with test requirements listed in IMO Res. MSC 81(70) part 1 as amended as listed in Conformity Assessment report (CAR) for 35 DKFS, 35 DKFS S30 and 35 DKFS E dated 2021-12-17.

Prototype tests and reports in accordance with test requirements listed in IMO Res. MSC 81(70) part 1 as amended as listed in Conformity Assessment report (CAR) 25 DKFS, 25 DKFS S30, 25 DKFS E (Cargo) dated 2023-01-13.

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Liferaft type	Towing strain 2 knots	Towing strain 3 knots	Container type installation height 25 m	Container type installation height 36 m	Container type installation height 60 m	Max. capacity [persons]	Weight of liferaft ± 2% [kg]
12 DKFS 12 DKFS S30 12 DKFS E	0.58 kN	1.17 kN			A 69XX	12	132 (SOLAS A-pack)
16 DKFS 16 DKFS S30 16 DKFS E	0.68 kN	1.27 kN			A 80XX	16	140 (SOLAS A-pack)
20 DKFS 20 DKFS S30 20 DKFS E	0.55 kN	1.21 kN			A 80XX	20	174 (SOLAS A-pack)
25 DKFS 25 DKFS S30 25 DKFS E	0.7 kN	1.4 kN		A 8200 B 8500 B 0113 B 0140	A 8200	25	226 (SOLAS A-pack) 170 (SOLAS B-pack)
25 DKFS Cargo	0.74 kN	1.44 kN		A 810X	A 810X	25	198 (SOLAS A-Pack)
35 DKFS 35 DKFS S30 35 DKFS E	1.05 kN	1.79 kN		B 82XX	A 84XX	35	304 (SOLAS A-pack) 213 (SOLAS B-pack)
39 DKFS 39 DKFS S30 39 DKFS E	1.05 kN	2.45 kN	B 8200	A 8400		39	333 (SOLAS A-pack) 230 (SOLAS B-pack)

Notes to below from Capacity and installation heights: Container type designation is given as 16-xxxx, and emergency packs SOLAS A or B is given as “A” and “B”.

Appendix: Other

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Drawings and parts lists:

Liferaft type	Parts list No.	Drawing no.
12 DKFS 12 DKFS S30 12 DKFS E	ENG-20069961 Rev.1 (Page 4/4)	ENG-20069961 Rev.1, (Page 1-3/4) 16012707 Rev.0 ENG-20070293 Rev.0
16 DKFS 16 DKFS S30 16 DKFS E	ENG-20068215 Rev.1 (Page 4/4)	ENG-20068215 Rev.1, (Page 1-3/4) ENG-20070265 Rev.0 ENG-20070285 Rev.0
20 DKFS 20 DKFS S30 20 DKFS E	ENG-20068461 Rev.1 (Page 4/4)	ENG-20068461 Rev.1, (Page 1-3/4) ENG-20070265 Rev.0 ENG-20070294 Rev.0
25 DKFS 25 DKFS S30 25 DKFS E 25 DKFS Cargo 25 DKFS S30 Cargo 25 DKFS E Cargo	43002434.000, 43002446.000 ENG-20096915 (page 4/4)	43002434.001/002/003 43002446.001/002 ENG-20096915 (page 1-2-3/4) ENG-200701168 ENG-20159042 16006799
35 DKFS 35 DKFS S30 35 DKFS E	ENG-20095314 (Page 4-5/5)	ENG-20095314 (Page 1-3/5) ENG-20081994 Rev.0 ENG-20081208 Rev.1 ENG-20115228 Rev.0 ENG-20115262
39 DKFS 39 DKFS S30 39 DKFS E	ENG-20072744 (Page 4/4)	ENG-20072744 (Page 1-3/4)

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Design Change no.	Date	Subject	Test reports witnessed by DNV
10291	2011-05-02	Daniamant RL5 internal and external light	1567, 1568, 1569, 1570, 1571, 1572, 1576, 1577.
10315	2013-03-21	Change to Daniamant RL6 combi light	1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1899
10316	2013-04-08	Plastic strapping around container, replacing bursting bands	1887, 1888, 1901~1904
10322	2013-09-12	Alternative shackle for lifting arrangement	Strength report no. LX90433 dated 2009-11-02 from Shanghai Jinyi Materials test technology Co., Ltd, China Salt spray test dated 2012-04-30 from Danish technological Institute (DTI), Denmark
10326	2014-03-24	New canopy material (Rivertex 4000 PES PU coated)	1899, 1912, 1803, 1993, 1870, 2025 Material Technical Report 1809 A dated 2012-10-25 from SATRA Technology Centre, UK
10327	2013-10-28	New tropical rubber glue ALPHA S 298	1814
10332	2013-11-07	New alternative materials and mounting methods	2026, 2027
10345	2014-12-01	Replacing painterline for lifrafts > 25 persons	2168
10358	2016-01-22	Boarding ramp change/Inflatable floor change / inner and outer lifelines	1532, 2226, 2227
10385	2016-05-17	Change of installation height (max. 60 m for 25 DKS and 25 DKFS)	2413, 2414, 2415, 2516
10364	2015-11-04	Environmental packed	Extended Service Intervals - S30 tests
10395	2017-03-08	Liferaft type 25 DKFS for 20 persons	-
10403	2017-06-30	Approval of albatross pyrotechnic for liferaft with a storage of 60 m	2602, 2603, 2604, 2605, 2616, 2617, 2618
10411	2017-09-27	New material numbers for non-return valves displayed on GA drawings	-
10420	2018-05-18	Fabric NK300C from ContiTech	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 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
10422	2018-05-25	Signal Lamp - in box with spare bulb and battery	2456, 2458, 2464, 2466
10434	2018-10-08	Alternative hardener Desmodur RFE	2834 (3 x over pressure test) 2828, 2829, 2830, 2831, 2833 (seam strength tests)
10437	2018-12-10	Alternative hardener 'Beyond'	2905, 2914, 2915 (3x over pressure test), 2880, 2881, 2882, 2883, 2884, 2885 (seam strength tests), 2920 (strength test – davit launched liferaft)
10443	2019-04-23	Improved painter system for liferafts with capacity of 26 and more	3088, 3087, 2952, 2953
10438	2019-04-23	Alternative hardener 'TM-93'	2868, 2869, 2870, 2871, 2872, 2873, 2876, 2877, 2878, 2988, 2989, 2990, 3017, 3019
10451	2019-04-23	Painter system with alternative hardener 'TM-93' and 'Beyond'	3085, 3086
10496	2021-09-01	Capacity update to maximum number of persons	-
10512	2022-11-11	Black rubber fabric RBND6 BCR	4035, 4036, 4058, 4059, 4060, 4061, 4062, 4063, 4065, 4066, 4075, 4076, 4079, 4080, 4081, 4082, 4085, 4086, 4087, 4096, 4097, 4098, 4101, 4102, 4103, 4104 witnessed by DNV Test report TX772622/2022/PL dated 29 September 2022 from SGS, Taoyuan City,Taiwan
10516a	2023-06-12	Extended innertube, long 6-65 persons	4059, 4087, 4066, 4101, 4081, 4419, 4420, 4421, 4422 Drawing No. ENG-20118151 Rev.2
10520	2023-03-10	Bridle patch moved (12 DKS/16 DKS/20 DKS) and and valve inside arch tube added (all variants)	Test report Nos.: 4001~4004
10521	2023-03-10	Cargo: Additional product type for 25 DKFS	See Conformity Assessment report (CAR) for 25DKFS Cargo, 25 DKFS S30 Cargo, 25 DKFS E Cargo dated 2023-03-30.
10525	2023-10-12	Alternative orange fabric for canopy – PUT3B4P02	2181, 2218, 2629, 3259, 3260, 4413.
10536	2024-05-24	Rubber Fabric NK205/2 - New Gen	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
10546	2025-03-01	Rubber Fabric NK300C - New Gen	4970, 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.