EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB00001JE
Revision no.:
12

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 **Inflatable liferafts**

with type designation(s)
6 DK+, 6 DKN, 8 DK+, 10 DK+, 10 DKN, 12 DK+, 16 DK+, 20 DK+, 25 DK+, 35 DK+, 6 DK+S30, 6 DKN S30, 8 DK+S30, 10 DK+S30, 10 DKN S30, 12 DK+S30, 16 DK+S30, 20 DK+S30, 25 DK+S30, 35 DK+S30, 6 DK+E, 8 DK+E, 10 DK+E, 12 DK+E, 16 DK+E, 20 DK+E, 25 DK+E, 35 DK+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/1.12** (Row **2 of 2**)
according to the following requirements:
SOLAS 74 Reg. III/13, SOLAS 74 Reg. III/21, SOLAS 74 Reg. III/26, SOLAS 74 Reg. III/31, 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.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

NORSK AKKREDITERING PROD 019

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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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

Throw overboard inflatable liferaft with the following type designations:
- 6 DK+, 6 DK+S30, 6 DK+E, 6 DKN, 6 DKN S30
- 8 DK+, 8 DK+S30, 8 DK+E
- 10 DK+, 10 DK+S30, 10 DK+E, 10 DKN, 10 DKN S30
- 12 DK+, 12 DK+S30, 12 DK+E
- 16 DK+, 16 DK+S30, 16 DK+E
- 20 DK+, 20 DK+S30, 20 DK+E
- 25 DK+, 25 DK+S30, 25 DK+E
- 35 DK+, 35 DK+S30, 35 DK+E

S30: added to type designation e.g., 6 DK+ S30 Liferaft environmentally packed to allow for extended service intervals up to 30 months. The raft is subject to an annual onboard inspection.
N: added to type denomination e.g., 6 DKN. The raft is equipped with an improved “stairway” like boarding arrangement.
E: added to type designation e.g., 6 DK+ E. Environmental packed liferaft prepared for extended service intervals.

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

Application/Limitation

Approved as throw overboard 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.

Liferafts with type designation including 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 has 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 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).
- Tests and reports in accordance with test requirements listed in MSC.1/Circ.1328, 5.4.2 - 5.4.10.
- 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.
- Test reports supporting design changes (see Appendix).

Marking of product

The product is to be indelibly marked with name and address of manufacturer, type designation, dimensions, date of manufacture and the Mark of Conformity (see first page). The marking shall comply with the LSA Code Ch. 4.2.6 and 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 - 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 - witnessed by DNV - Ozone resistance NK300C New Gen

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Liferaft details:

Liferaft type	Max. drop height for container type [m]							Max. capacity (persons)	Weight of liferaft ± 2% [kg]
	18	25	36	37	50	60	73		
6 DK+ 6 DK+S30 6 DK+E	**A** 0011 **A** 0039 **A** 0040 **A** 9041 **B** 0009 **B** 0011 **B** 0040 **B** 9040 **B** 9041		**B** 5000			**A** 5000		6	78 (SOLAS A-pack) cont. 00XX 52 (SOLAS B-pack) cont. 00XX 70 (SOLAS A-pack) cont. 50XX 59 (SOLAS B-pack) cont. 50XX 74 (SOLAS A-pack) cont. 90XX 56 (SOLAS B-pack) cont. 90XX
6 DKN 6 DKN S30	**B** 0022							6	80 (SOLAS B-pack)
8 DK+ 8 DK+S30 8 DK+E	**A** 0039 **A** 9042 **B** 0040 **B** 9042	**B** 5000	**A** 5000 B 5000					8	90 (SOLAS A-pack) 65 (SOLAS B-pack)
10 DK+ 10 DK+S30 10 DK+E	**A** 9042 **B** 9042 **B** 0040		**A** 6100 **B** 6100					10	100 (SOLAS A-pack) 80 (SOLAS B-pack)
10 DKN 10 DKN S30	**B** 0026 **B** 0027							10	85 (SOLAS B-pack)
12 DK+ 12 DK+S30 12 DK+E	**A** 9042 **B** 9042	**B** 6100	**B** 6100			**A** 6100	**B** 0021	12	110 (SOLAS A-pack) 95 (SOLAS B-pack)
16 DK+ 16 DK+S30 16 DK+E	**A** 9044 **B** 9042		**B** 5100			**A** 5100		16	130 (SOLAS A-pack) 100 (SOLAS B-pack)
20 DK+ 20 DK+S30 20 DK+E	**A** 9044 **B** 9042		**B** 6000			**A** 6000		20	153 (SOLAS A-pack) 110 (SOLAS B-pack)
25 DK+ 25 DK+S30 25 DK+E	**A** 9045 **B** 9045	**B** 5100	**B** 6000			**A** 5200 **B** 6000		25	176 (SOLAS A-pack) 125 (SOLAS B-pack)
35 DK+ 35 DK+S30 35 DK+E				**A** 5700	**B** 5400	**A** 5700		35	281 (SOLAS A-pack) 204 (SOLAS B-pack)

Notes to below with respect to 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”. Listed liferaft types covers types S30 and E variants. Each size listed covers variations with the same capacity.

Towing strain:

Liferaft type	Towing strain 2 knots	Towing strain 3 knots
6 DK+, 6 DK+S30, 6 DK+E	0.45 kN	0.9 kN
6 DKN, 6 DKN S30	0.45 kN	0.9 kN
8 DK+, 8 DK+S30, 8 DK+E	0.45 kN	0.9 kN
10 DK+, 10 DK+S30, 10 DK+E	0.5 kN	1.1 kN
10 DKN, 10 DKN S30	0.5 kN	1.1 kN
12 DK+, 12 DK+S30, 12 DK+E	0.5 kN	1.1 kN
16 DK+, 16 DK+S30, 16 DK+E	0.5 kN	1.2 kN
20 DK+, 20 DK+S30, 20 DK+E	0.5 kN	1.2 kN
25 DK+, 25 DK+S30, 25 DK+E	0.5 kN	1.2 kN
35 DK+, 35 DK+S30, 35 DK+E	1.05 kN	1.8 kN

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Drawings and parts lists:

Liferaft type	Parts list no.:	Drawing no.
6 DK+, 6 DK+S30, 6 DK+E	43002489.000	43002489.001/002
6 DKN, 6 DKN S30,	43000336.000	43000336.001/002
8 DK+, 8 DK+S30, 8 DK+E	43002490.000	43002490.001/002
10 DK+, 10 DK+S30, 10 DK+E	43002491.000	43002491.001/002
10 DKN, 10 DKN S30	43000335.000	43000335.001/002
12 DK+, 12 DK+S30, 12 DK+E	43002492.000	43002492.001/002/003
16 DK+, 16 DK+S30, 16 DK+E	43002494.000	43002494.001/002/003
20 DK+, 20 DK+S30, 20 DK+E	43002496.000	43002496.001/002/003
25 DK+, 25 DK+S30, 25 DK+E	43002498.000	43002498.001/002/003
35 DK+, 35 DK+S30, 35 DK+E	43002501.000	43002501.001/002/003

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Design Change no.	Date	Subject	Supporting documentation (test reports witnessed by DNV/ drawings)
10291	2011-05-02	Daniamant RL5 internal and external light	1567, 1568, 1569, 1570, 1571, 1572, 1576, 1577.
10301	2012-03-09	25 DK+ packed in container 016-5100, SOLAS B	1745-1746
10304	2012-10-05	Approval of 25DK + "A" and "B" packed in 016-9045	1780, 1781, 1791, 1792,1793, 1794
10308	2012-11-16	Modification of Icelandic rafts	-
10305	2016-11-12	Approval of 35DK+ A-pack to be installed at stowage height 50 m	1807, 1808
10314	2013-03-21	35 DKF+ Leafield Serrrvo System to be used on VIKING liferafts	1858, 1859, 1895, 1897
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, 1902, 1903, 1904
10317	2013-04-05	S30 aluminium pouch variants	1905~1910
10318	2013-04-15	Eyelink with rubber socket	1916, 1917
10321	2013-09-09	Gas cylinder for 12 DK+ liferafts	
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
10333	2013-12-10	Liferaft painter system arrangement	1454
10334	2013-11-28	Entrance design for 4-25 DK+ and 12-25 DKF+	2033, 2034, 2016
10335	2014-12-11	35 DK+ and 35 DKF+ from 3 to 2 entrances	2120, 2078
10336	2014-02-27	6 DK+ with SOLAS A-pack to be packed in container type 016-0040	963, 964, 468
10337	2014-03-02	20DK+ and 20 DK+S30 packed in container type 016-9044	2088, 2089
10342	2014-09-19	Change to new inflation system Leafield GIST For 35 DK+ and 35 DKF+	1428, 1429, 1432, 1433, 2145~2149
10345	2014-12-01	Replacing painterline for lifrafts > 25 persons	2168
10346	2015-02-09	Introduction of triple approved pressure cylinders. TPED/DOT/T	
10352	2015-06-02	6-35 DK+ and 12-35 DKF+ protection for operating head	2170 ~ 2173
10364	2015-11-04	Environmental packed	Extended service interval - S30 tests
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	
10412	2017-11-20	Stowage height 60 m: 35 DK+ /35 DK+S30 / 35DK+E – A pack	2658, 2659
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, 2920, 2880, 2881, 2882, 2883, 2884, 2885
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
10466	2020-05-29	20 DK+ packed in low profile container	Test report Nos.: – 3365, 3366, 3394, 3395, 3369, 3372 Drawing No.: – 3001837 (SAP no. 42000521)
10504	2021-09-13	25 DK+ in container type '6000' – 60 m drop height	Test report Nos.: – 3582, 3583, 3475, 3476, 3454, 3449 Drawing No.: – ENG-20082734
10512	2022-11-11	Black rubber fabric RBND6 BCR	- Test report Nos.: 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 - Test report TX772622/2022/PL dated 29 September 2022 from SGS, Taoyuan City,Taiwan
10516a	2023-06-12	Extended inner tube, long 6-65 persons	Test report Nos. 4059, 4087, 4066, 4101, 4081, 4419, 4420, 4421, 4422 Drawing No. ENG-20118151 Rev.2.
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