Certificate No: LR25127047SS
Issue Date: 17/05/2025
Expiry Date: 16/05/2030

Certificate of Type Approval

This is to certify that the product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer	**Survitec Group Ltd.**
Address	Kingsway, Dunmurry, Belfast, BT17 9AF, United Kingdom
Type	INFLATABLE LIFERAFTS
Description	30 persons capacity throw/roll over open reversible inflatable liferaft with Emergency "E PACK" or "SOLAS B PACK"
Trade Name	RFD Ferryman 30 & Beaufort ORL 30
Specified Standard	MSN 1676 (M+F) Amendment 1

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register EMEA of any modification or changes to the equipment in order to obtain a valid Certificate.

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Lijo Thomas

Lijo Thomas

Fire & Safety - Senior Surveyor to Lloyd's Register EMEA
A member of the Lloyd's Register group

71 Fenchurch Street, London, EC3M 4BS, United Kingdom

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DESIGN APPRAISAL DOCUMENT

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR25127047SS

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions, and this Design Appraisal Document forms part of the Certificate.

This Design Appraisal Document forms part of the Certificate.

This Certificate is a Renewal and an Amendment of Certificate Number LR2003998SS

APPROVAL DOCUMENTATION

Service Manual 177 Rev 6 for Ferryman Open Reversible Liferafts, dated 23/02/2010.

Service Manual M310 Rev 1 for Open Reversible Liferafts, dated 31/07/2015.

Design Change Sheet – DCS 8026, Ferryman 30 & 65, (25, 50 & 100 HSC Code) for Elimination of PU-Nylon attachments, dated 13/08/2002.

Design Change Sheet – DCS 8144, Replacement of the A3 Leafield PRV with the Thanner OTS65 PRV, dated 04/07/2003.

Design Change Sheet – DCS 8273, Replacement of Thanner DK88 with DK94 Operating Head System, dated 19/05/2004.

Schedule No D41832 Rev 16 of Ferryman 30 ORL, dated 22/01/2010.

Drawing No.	Rev.	Date	Title
D41832	13	23/09/2003	Main Assembly Ferryman 30 ORL
D41838	4	02/09/2001	General Arrangement Ferryman 30p ORL

TEST REPORTS

Prototype Test conducted to the requirements of IMO Resolution MSC.81 (70) under the witness of attending Surveyors. Test reports documented by SURVITEC Group Ltd.

Report No.	Date	Report Title.
016/1992	03/03/1992	18m Drop Test of 30 & 65 Person RFD Ferryman ORL
019/1992	03/03/1992	Jump Test of 30 & 65 Person RFD Ferryman Liferafts
018/1992	03/03/1992	Towing Test of 30 & 65 Person RFD Ferryman Liferafts
052/2014	16/10/2014	Towing Test 30/37/45p ORL
007/1987	23/01/1987	Painter Strength Test of 50 Person Surviva Liferaft
010/1997	24/11/2001	Painter System Test of 37 Person DL Surviva Liferaft
036/2014	27/05/2014	Painter System Test of 50, 65 & 75 Person ORL Liferaft
017/1992	03/03/1992	Boarding, Freeboard & Damage Test of 30 & 65 Person Ferryman ORL Liferaft (Bath Tests)
059/2014	23/01/2015	Detailed Inspection 30/37/45p ORL

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021/1992	13/03/1992	Ambient Inflation Test of 30 & 65 Person RFD Ferryman Liferaft , with (UK) E packs in Mk 10 containers
022/1992	13/03/1992	Cold Inflation Test of 30 Person RFD Ferryman Liferaft
006/2015	23/01/2015	Cold Inflation Test 30/37/45p ORL packed in MK10 Size 6 Container at -18^{0}C
002/2002	15/01/2002	Cold Floor Inflation Test of 16 person US Air Force Liferaft
014/1992	03/03/1992	Hot Inflation Test of 30 & 65 Person Ferryman ORL Liferafts
054/2011	19/10/2011 – 19/11/2011 & 07/12/2011	Pressure & Mooring Out Test of 50 & 65 Person ORL Liferaft
050/2011	14/11/2011	Towing Test of Ferryman 25 & 30 Person ORL Liferaft
013/1998	12/05/1998	Weight Test 25 & 50 Person ORL, with Flat Pack containers Mk 16 size 2 & Mk16 size 4
003/2015	23/01/2015	Weight Test 30/37/45p ORL packed in MK10 Size 6 & MK16 Size 3 Container
028/2014	31/01/2014	Boarding Test of 50 & 65 Person Ferryman ORL Liferaft
055/2014	8/10/2014	Stability Test 30/37/45p ORL
056/2014	8/10/2014	Manoeuvrability Test 30/37/45p ORL
039/2001	23/11/2001	Buoyancy of Float-Free Liferaft Test of 30 & 65 Ferryman ORL with Mk10 GRP Containers
057/2014	8/10/2014	Damage Test 30/37/45p ORL
088/1992	10/09/1992	RFD Water Pocket Test
090/1992	10/09/1992	RFD Water Pocket Test – Revised Material Type
037/2014	27/05/2014	Water Pocket Fill & Weight Test 25.5L & 85L used on Ferryman ORL (30 & 130 Persons)
055/1993	10/09/1993	10m Drop Test of 30 & 65 Person Ferryman Liferaft
054/1993	22/09/1993	Cold Inflation Test of 30 & 65 Person Ferryman ORL Liferafts packed in Flatpack Containers
050/1993	06/07/1993	Swamp Test pf 25 & 50 Person ORL Liferaft
010/1997	24/11/1997 & 09/01/1998	Painter System Test of 37 Person DL Surviva Liferaft
031/1992	10/04/1992	Seam Strength Test
049/1998	31/12/1992	Fabrics Tests as per MSC.81(70)
033/2011	09/11/2011	Testing of Fabric Material RFD 1015
059942	22/11/2016 - 07/12/2017	Lin Report & Smithers Rapra, Fabric Material Test Report for 3824 (TPU single side coated fabric material RFD 1015/1)
2018-015	02/05/2018	Cold Inflation Test Ferryman 30 ORL, for the acceptance of MK16 Size 2 containers with hermetically sealed foil bag (H-pack) as a packing aid

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DESIGN APPRAISAL DOCUMENT

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LR25127047SS

CONDITIONS OF CERTIFICATION

1. 30 Persons rafts: Container size (s), maximum stowage height (s), weight (s) and towing force:-

Container type / size	Stowage Height	Weight kg	Emergency Pack	Towing Force
Mk 10 Size 4	18 m	94	Uk'E' PACK	@ 2kts: 1.275 kN
Mk 16 Size 2	10m	100	Uk'E' PACK	@ 3 kts: 2.232 kN
Mk 16 Size 2	10m	105	Uk'E' PACK	
Mk10 Size 6	18m	121.0	Uk'E' PACK	@ 2kts: 117.7kg
Mk16 Size 3	10m	123.6	Uk'E' PACK	@ 3kts: 533.6kg

2. The liferaft has been approved assuming for each person an average mass of 82.5 kg.
3. The container for open reversible liferafts is to be marked with the maker's name or trademark, serial number, approving authority, the number of persons it is permitted to carry, the words "NON-SOLAS reversible", type of emergency pack enclosed, date when last serviced, length of painter, maximum permitted height of stowage above waterline (depending on drop-test height) and launching instructions.
4. The open reversible liferaft is to be marked with the maker's name or trademark, serial number, date of manufacture (month and year), approving authority, name and place of service station where it was last serviced, number of persons it is permitted to accommodate on the top of each buoyancy tube, in characters not less than 100 mm in height and of a colour contrasting with that of the tube.
5. Provision shall be made for marking each liferaft with the name and port of registry of the ship to which the liferaft is supplied, in such a form that the ship identification can be changed at any time without opening the container.
6. Every liferaft shall be stowed with its painter permanently attached to the craft and with a float free arrangement complying with the requirements of paragraph 4.1.6 of the LSA Code so that, as far as practicable, the liferaft floats free and, if inflatable, inflates automatically should the high speed craft sink.
7. Inflatable liferafts are to be serviced at intervals not exceeding 12 months at a Lloyd's Register approved or Flag Administration approved service station duly authorized and appointed by the manufacturer.
8. **Installation on board:** The on board arrangements and installation of the liferaft are not part of this Design Appraisal or Certificate and shall be to the satisfaction of the attending Surveyor.
9. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
10. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure compliance with SOLAS Regulation III/5.

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11. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and each item, batch, or lot be delivered with an LR Certificate of SOLAS Production Testing issued by the attending LR Surveyors following their witness of the tests. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration.
12. Should a change of Place of Production from that stated on the application form be required, i.e. where the stages of manufacture/assembly/testing of this product takes place, the new Place of Production is to be advised to us prior to the change taking place. This updated notification about the Place of Production is required for this Approval to be maintained.

Lijo Thomas
Senior Specialist
Fire & Safety, Statutory Discipline Team
UK&I Technical Support Office, Marine & Offshore
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).

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