Certificate No: LR2554776SS
Issue Date: 28/04/2025
Expiry Date: 27/04/2030

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	Liferafts
Description	30 persons capacity throw/roll over open reversible liferaft
Trade Name	RFD Ferryman 30 (also known as Beaufort 30, DSB LR14R, Crewsaver, Elliot, Survitec, Survitec Zodiac, SSPI, RFD Toyo)
Specified Standard	IMO Res. MSC.36 (63) – (1994 HSC Code) Annex 10 IMO Res. MSC.97 (73) – (2000 HSC Code) Annex 11 ISO 15738:2019

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. LR2554776SS

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 LR2003345SS

APPROVAL DOCUMENTATION

Service Manual for Open Reversible Liferafts 177-0 Rev 6, dated 23/02/2010.

Design Change Sheet - DCS 0773, Introduction to 330/37P ORL, date 10/02/2015.

DOCUMENT SCHEDULE - ORL 303745 (SBT Production) Document No 52491101, dated 205/03/2021.

Drawing No.	Rev.	Date	Title
D52491 Sheet 1 of 2	2	20/04/2021	ORL 30/37/45 Main Assembly (General Arrangement/Design Data – 30/37/45 ORL)
D52491 Sheet 2 of 2	2	20/04/2021	ORL 30/37/45 Main Assembly (manufacturing Drawing – 30/37/45 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.	Dated	Title or Description
003/15	23/01/2015	Weight Test 30/37/45p ORL packed in MK10 Size 6 & MK16 Size 3 Container
006/15	23/01/2015	Cold Inflation Test 30/37/45p ORL packed in MK10 Size 6 Container at -18^{0}C
004/14	09-10/01/2014	Mooring Out Test 50/65/75p ORL
59/14	23/01/2015	Detailed Inspection 30/37/45p ORL
57/14	8/10/2014	Damage Test 30/37/45p ORL
56/14	8/10/2014	Manoeuvrability Test 30/37/45p ORL
55/14	8/10/2014	Stability Test 30/37/45p ORL
54/14	8/10/2014	Loading and Seating Test 30/37/45p ORL
52/14	16/10/2014	Towing Test 30/37/45p ORL

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28/14	31/01/2014	Boarding Test 50/60p ORL
30/14	28/04/2014	18m Drop Test 100/130p ORL in MK15 Size 13 Cylindrical Container
31/14	28/04/ 2014	Ambient Inflation Test 100/130p ORL
36/14	27/05/2014	Painter System Test 50/65/75p ORL
37/14	27/05/2014	Water Pocket Fill and weight Test 52.5L and 85L used on Ferryman ORL
47/14	19/08/2014	18m Drop Test 50/65p ORL in MK16 Size 4 (Flat pack) Container
33/11	09/11/2011	Testing of Fabric Material RFD 1015
59942	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)

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 6	18 m	121	HSC	@2kts: 1.15 kN
Mk 16 Size 3	10 m	124	HSC	@3kts: 5.23 kN

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.

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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.

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

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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