Maritime & Coastguard Agency

Approved Body authorised by the MCA

Certificate No: LR22511981UKMB
Issue Date: 01/12/2022
Expiry Date: 30/11/2027

# UK TYPE-EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

Lloyd's Register Marine Limited (LRM Ltd) did undertake the relevant type approval procedures for the type of equipment identified below which was found to be in compliance with the requirements of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, subject to any conditions in the schedule attached hereto.

| | |
|---|---|
| **Manufacturer** | **Survitec Group Ltd** |
| **Address** | Kingsway, Dunmurry, Belfast, BT17 9AF, Northern Ireland, United Kingdom |
| **Reference** | MSN1874 Amendment 6 |
| **Regulation Item (No. & Item Designation)** | **UK/1.39 Open reversible liferafts** |
| **Product Type** | OPEN REVERSIBLE LIFERAFT |
| **Product Description** | 100 Person capacity throw/roll over open reversible liferaft. |
| **Trade Name** | RFD Ferryman 100", "Beaufort 100 ORL", "DSB LR14R", "Crewsaver", "Elliot", " Survitec Zodiac", "SSPI", "RFD Toyo" & "Survitec". |
| **Specified Standard** | IMO Resolution MSC.36(63) – (1994 HSC Code), Annex 10<br>IMO Resolution MSC.97(73) – (2000 HSC Code), Annex 11<br>ISO 15738:2019. |

The attached Design Appraisal Document (schedule) forms part of this certificate. This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

**This certificate is issued under the authority of the MCA**.This certificate will not be valid if the manufacturer makes any changes or modifications to the approved type of equipment, which have not been notified to, and agreed with the approved body named on this certificate.

During the period of validity of this certificate the applicable regulations (international conventions and the relevant resolutions and circulars of the IMO) and testing standards may change, therefore the product conformity may need to be re-assessed by the Approved Body.

The "UK Mark of Conformity" may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-control phase module (D, E or F) of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended is fully complied with and controlled by a written inspection agreement with an Approved Body.

Lijo Thomas

**Lijo Thomas**

Senior Surveyor
For and on behalf of Lloyd's Register Marine Ltd. (8512)

**Lloyd's Register Marine Limited** (Reg. no. 13281335) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK.
A member of Lloyd's Register group.

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The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and the Merchant Shipping (Marine Equipment) Regulations 2016, as amended for the UK Type Examination of marine equipment for use on UK ships

This Design Appraisal Document forms part of the Certificate.

**APPROVAL/EXAMINED DOCUMENTATION**

Note: The 100 Person capacity is achieved by 2 x 50 person open reversible liferafts being packed into one container.

| Drawing No. | Rev | Date | Title |
|---|---|---|---|
| D41831 | 13 | 26-02-2012 | Main Assy Ferryman Ferryman 50 O.R.L |
| D41839 | 6 | 23-02-2012 | GA Ferryman 50 O.R.L. |
| D44483 | 2 | 25-09-2008 | Ferryman 50-person Open reversible liferaft. |
| DCS 8026 | - | 01-07-2002 | Elimination of PUNylon attachments. |
| DCS 8144 | - | 12-05-2003 | Replacement of the A3 Leafield PRV with the Thanner OTS65 PRV. |
| DCS 8273 | - | 02-04-2004 | Replacement of Thanner DK88 operating head system, with Thanner DK94 operating head system. |
| D 52413 | 2 | 20-04-2021 | GA/ Design data - 50/65/75 ORL |
| DCS 0574 | - | 12-06-2014 | Design change sheet. |

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### TEST REPORTS

Conducted by the requirements of IMO Resolution MSC.81(70) and witnessed by attending Surveyors. Test reports documented by Survitec Group Ltd.

| Report No. | Date | Report No. | Date |
|---|---|---|---|
| 16/92 | 03-03-1992 | 8/98 | 13-03-1998 |
| 19/92 | 03-03-1992 | 16/98 | 05-06-1998 |
| 18/92 | 03-03-1992 | 88/92 | 26-08-1992 |
| 07/87 | 23-01-1987 | 90/92 | 02-09-1992 |
| 17/92 | 03-03-1992 | 55/93 | 10-09-1993 |
| 119/92 | 07-11-1992 | 54/93 | 10-09-1993 |
| 21/92 | 13-03-1992 | 50/93 | 06-07-1993 |
| 22/92 | 03-03-1992 | 10/97 | 24-11-2001 |
| 14/92 | 03-03-1992 | 31/92 | 10-04-1992 |
| 21/99 | 25-10-1999 | 49/98 | 31-12-1992 |
| 51/11 | 14-11-2011 | 02/02 | 15-01-2002 |
| 54/11 | 07-12-2011 | 30/14 | 28-04-2014 |
| 38/14 | 27-05-2014 | 29/14 | 28-04-2014 |
| 04/14 | 09-01-2014 | 36/14 | 27-05-2014 |
| 28/14 | 31-01-2014 | 31/14 | 28-04-2014 |
| 14/14 | 26-02-2014 | 15/14 | 11-04-2014 |
| 32/14 | 28-04-2014 | 37/14 | 27-05-2014 |

### CONDITIONS OF CERTIFICATION

1. 50 person rafts, container size(s), maximum stowage height(s), weight(s), and towing force:

| Container type/size | Stowage Height (m) | Weight (kg) | Emergency Pack | Towing Force |
|---|---|---|---|---|
| Mk 15 size 31 | 18 | 309/339 | HSC | @ 2kts: 1.261/1.34 kN<br>@ 3 kts: 2.134/3.4 kN |

2. The liferaft has been approved assuming for each person an average mass of 82.5kg.
3. The container for open reversible liferafts is to be marked with the Maker's name and trademark, serial number, approving authority, number of persons it is approved to carry, the words "non-SOLAS reversible", the type of the emergency pack enclosed, date when last serviced, length of painter, maximum stowage height and launching instructions.
4. The open reversible liferaft is to be marked with the Maker's name & trademark, serial number, date of manufacture, approving authority, name & place of last servicing station, and the number of persons it is approved to carry.
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 is practicable, the liferaft floats free and, if inflatable, inflates automatically should the high-speed craft sink.

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7. Inflatable liferafts are to be serviced at intervals not exceeding 12 months by a Lloyds Register approved or Flag Administration approved service station duly authorised and appointed by the manufacturer.

8. Installation on board: The onboard arrangements and installation of the liferaft are not part of this Design Appraisal 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 of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance System (Module D), a Product-Quality Assurance System (Module E) or a Product Verification Process (Module F), as applicable. The UK Conformity Mark cannot be affixed to the product until a conformity assessment module is in place.

11. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and be recorded by the manufacturer in accordance with either the approved Production Quality Assurance System (Module D) or Product Quality Assurance System (Module E) or a Product Verification Process (Module F), as applicable. 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. Each item, batch or lot of the subject equipment is to be issued with a "UK Declaration of Conformity" and have the "UK Conformity Mark" affixed after a conformity assessment module is in place.

13. Should a change of Place of Production from that provided at the application stage i.e., where the stages of manufacture/assembly/testing of this product take 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.

14. The manufacturer must keep a copy of the UK type-examination certificate, its annexes, and additions together with the technical documentation at the disposal of the national authorities for a period of at least 10 years after the UK Conformity Mark has been affixed on the last product manufactured and, in no case for a period shorter than the expected life of the marine equipment concerned.

15. The certificate holder is solely responsible for the products supplied under this Certificate and to ensure that their products are fully compliant with the relevant statutory regulations as applicable and are designed, manufactured, and installed to the same quality and specifications as the prototype tested, including components that are designed and manufactured by third parties.

16. All equipment installed on board the liferaft is to be of an approved type as required by SOLAS and the LSA Code as applicable.

17. Equipment items listed on the current version of Merchant Shipping Notice MSN 1874 (M+F) which are supplied with the liferaft are to be approved type when delivered to UK flagged vessels.

Lijo Thomas
Senior Specialist
Fire & Safety, Statutory Discipline Team
U**K**&I Technical Support Office, Marine & Offshore
**For and on behalf of Lloyd's Register Marine Ltd.**
**(LRM Ltd) - UK Approved Body 8512**

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