Maritime & Coastguard Agency
UK Approved Body Authorised by the MCA

**Certificate number:** 73981/A0 UK
**File number:** LSA 5338/23
**Item number:** UK/1.39
*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

**Approved Body 8517 - UNITED KINGDOM MARINE EQUIPMENT APPROVAL**

# UK TYPE-EXAMINATION (MODULE B) CERTIFICATE

*This is to certify that Bureau Veritas SA UK Branch Office 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.*

*This certificate is issued to:*

## SURVITEC GROUP LIMITED

DUNMURRY - UNITED KINGDOM

*for the type of product*

## OPEN REVERSIBLE LIFERAFTS

151 man open reversible inflatable liferaft - HSC pack : ORIL HSCR 151V.
Trademarks: SURVITEC, ENDURA, CREWSAVER, ELLIOT, DSB, SURVITECZODIAC, RFD, SSP, BRUDE, RFD TOYO

**Requirements:**
SOLAS 74 Convention as amended, Regulations III/4, X/3
IMO Res. MSC.48(66) -(LSA Code)- amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87), MSC.320(89), MSC.368(93), MSC.425(98), MSC.459(101) and MSC.485(103) I
IMO Res. MSC.36(63) -(1994 HSC Code)- as amended, 8, Annex 10
IMO Res. MSC.97(73) -(2000 HSC Code)- as amended, 8, Annex 11
IMO MSC/Circ.1630 and IMO MSC/Circ.1328

*The attached (schedule of approval) forms part of this certificate.*
*This certificate remains valid unless suspended, expired or withdrawn, provided the conditions in the attached schedule are complied with.*

**This certificate will expire on: 07 Dec 2027**

**Issued by Bureau Veritas SA UK Branch Office**

**(Approved Body 8517)**
At BV LONDON, on 07 Dec 2022,
Spencer Yule

***This certificate was created electronically and is valid without signature***

*Note 1: 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.*
*Note 2: Should the specified Regulations or standards be amended during the period of validity of this certificate, the product(s) is/ are to be re-approved prior to it/ they being placed on the UK market and on board vessels to which the amended regulations of standards apply.*
*Note 3: "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-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."*
*Note 4: In case limitations of use apply, these should be indicated in the Annex.*

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

# THE SCHEDULE OF APPROVAL

## 1. PRODUCT DESCRIPTION:

| | |
|---|---|
| **Trademark** | SURVITEC, ENDURA, CREWSAVER, ELLIOT, DSB, SURVITECZODIAC, RFD, SSP, BRUDE, RFD TOYO |
| **Type** | Open Reversible Inflatable Liferaft ORIL 151 HSC pack |
| **Weight** | 359 Kg |

| Overall dimensions of the inflated liferaft (mm) | | | Net Weight (Kg) | Working pressure (mb) |
|---|---|---|---|---|
| **Length** | **Width** | **Height** | | |
| 16682 | 5532 | 1032 | 359 | 162 |

*As indicated in the technical documentation submitted by the Applicant.*

ORIL 151V liferafts may be used as an associated inflatable liferaft of the MES SIS. In such a case, liferafts shall be equipped with either an "end bowsing lines arrangement (EBL)" or a "central bowsing lines arrangement (CBL)".

## 2. DOCUMENTS AND DRAWINGS:

- Drawings and specifications:

| Number | Title | Issue | Date |
|---|---|---|---|
| CHXBE 328 UK | OPEN REVERSIBLE LIFERAFT HSCR 151 V | -- | 03/10/2022 |
| --- | BRANDS FILE | C | 10/11/2022 |

- Material and components :

| Number | Title | Issue | Date |
|---|---|---|---|
| D.I.F 02 | Suppliers file liferaft COASTAL - TO - TOSR - DL- DLSR - ORIL | X | 16/11/2022 |
| D.I.F.01 | Suppliers file MES SIS | K | 16/06/2021 |

- UK Specifics Items :

| Number | Title | Issue | Date |
|---|---|---|---|
| D.I.F 02 annexe UK | Suppliers file UK liferaft Specific items | -- | 19/05/2022 |
| D.I.F.01 annexe UK | Suppliers file - UK SIS Specific items | -- | 05/09/2022 |

- Manual(s) for installation use and maintenance.

*No departure from these documents is permitted without the prior consent of the Society.*

## 3. TEST REPORTS:

**LIFERAFT TYPE TESTS**

| Number | Title | Issue | Date |
|---|---|---|---|
| | Test performed on the Liferaft HSCR 151VUK | -- | 03/10/2022 |

In accordance with requirements contained in the Annex 11 of the IMO Resolution MSC.97(73), open reversible liferafts has been tested in accordance with the recommendations of resolution MSC.81(70), part 1:

- Tests No. 5.5, 5.12, 5.16, 5.17.2, 5.17.10, 5.17.11, 5.17.12, 5.18 and 5.20 have been omitted;
- Part of test No. 5.8 regarding closing arrangement have been omitted,
- The temperature – 30°C in test No. 5.17.3 and 5.17.5 have been substituted with -18°C;

**TOWING FORCE**

| | With the sea anchor deployed | Without the sea anchor deployed |
|---|---|---|
| Towed at 2 knots | 320 DaN | 215 DaN |
| Towed at 3 knots | 450 DaN | 330 DaN |

**TESTS ACCORDING TO THE RECOMMENDATIONS OF THE GUIDELINES MSC.1/CIRC.1328**

| Number | Title | Issue | Date |
|---|---|---|---|
| --- | Tableau récapitulatif des essais EPS (EPS Tests Summary) | --- | 28/05/2013 |

**4. APPLICATION / LIMITATION:**

- As per requirements stated on front page of this certificate.
- Maximum capacity: 151 persons.
- The maintenance of the liferaft shall be carried out according to IMO Resolution A.761(18) as amended and with instructions stated in the Manual(s) for installation use and maintenance.
- Maximum permitted stowage height above waterline : 15 meters

| Maximum Permitted Stowage Height (m) | Container | Pack | Weight (Kg) |
|---|---|---|---|
| 15 | N20 | HSC | 359 |

**5. PRODUCTION SURVEY REQUIREMENTS:**

5.1 - This certificate alone does not allow the applicant to issue the UK Declaration of Conformity and to affix the mark of conformity (United Kingdom conformity mark) to the products corresponding to this type. To this end, the production-control phase module D Production Quality Assurance or module F Product Verification of Schedule 2 of the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, is to be complied with and controlled by a written inspection agreement with an Approved Body.

5.2 - The manufacturer shall institute a quality control procedure to ensure that the inflatable liferaft are produced to the same standard as the approved prototype and shall keep records of any production tests carried out in accordance with instructions given in IMO Resolution MSC.81 (70) Part 2 as amended.

5.3 - Each liferaft intended to be fitted onboard a United Kingdom ship shall be delivered with a United Kingdom Declaration of Conformity.

5.4 - Each equipment, or batch of equipment, is to be supplied with its Manual(s) for Installation, use & maintenance and instructions for servicing stations for frequency and tests to be carried out according to IMO Resolution A.761(18). The servicing stations must be recognized by the manufacturer according to IMO Resolution A.761(18), for their competences to service and repack such liferafts.

5.5 The following components shall comply with the requirements of Merchant Shipping (Marine Equipment) Regulations 2016, as amended, and be marked with the United Kingdom Conformity Mark:

- UK/1.2a Position-indicating lights for survival craft and rescue boats
- UK/1.7 Thermal protective aids
- UK/1.8 Rocket parachute flares
- UK/1.9 Hand flares
- UK/1.10 Buoyant smoke signals
- UK/1.30 Retro-reflective materials

Above listed components are to be listed in the above listed "UK Specifics Items" files.

**6. MARKING OF PRODUCT:**

| Markings on container | Markings on inflatable liferaft |
|---|---|
| Maker's name or trade mark | |
| Serial Number | |
| Name of approving authority | |
| Reference is made to the Merchant Shipping (Marine Equipment) Regulations 2016, as amended, Part3:<br>In particular Article 15.3 specifies that the United Kingdom conformity mark shall be followed by the identification number of the Approved Body involved in the production control phase (module D or F) and by the year in which the mark is affixed (4 digits or last 2 digits). | |
| Number of persons it is permitted to carry | Number of persons it is permitted to accommodate over each entrance, in characters not less than 100 mm in height of a colour contrasting with that of the liferaft. |
| Date when last serviced | Name and place of servicing station where it was last serviced |
| | Date of manufacture (month and year) |
| Type of emergency pack enclosed | |
| Length of painter | |
| Maximum permitted stowage height above waterline | |
| Launching instructions | |
| NON SOLAS REVERSIBLE | |

Provision shall be made for marking each liferaft with the name and port of registry of the ship to which it is to be fitted, in such a form that the ship identification can be changed at any time without opening the container.

In addition, liferafts subject to extended service intervals pursuant to SOLAS regulation III/20.8.3 should be marked to indicate that they have been approved and certified for extended service intervals in accordance with the guidelines MSC.1/Circ.1328.

**7. OTHERS:**

It is **Survitec** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

This type of liferaft may be subject to **extended service intervals** upon acceptance of the vessel's flag administration pursuant to SOLAS regulation III/20.8.3 and considering that liferafts should be:

- serviced at an approved servicing station at intervals not exceeding 30 months for the first 10 years of their service lives, and thereafter at the frequency required by SOLAS regulation III/20.8.1.1, this being subject to the vessel's Marine Administration acceptance.
- inspected on board by inspection personnel in accordance with the provisions of the MSC.1/Circ.1328 and the instructions of the manufacturer at intervals not exceeding 12 months from the last service or onboard inspection and for the first 10 years of their service life.

***** END OF CERTIFICATE *****