



Marine & Offshore  
Division

Certificate number: 15670/C0 EC

File number: LSA 1626/39

Annex A1 Item number: A.1/1.14

*This certificate is not valid when presented without the full  
attached schedule composed of 7 sections*

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Notified Body 0062 - MARINE EQUIPMENT DIRECTIVE 96/98/EC

## EC TYPE EXAMINATION CERTIFICATE

as per Module B of European Union Council Directive 96/98/EC on marine equipment  
as amended by Commission Directive 2014/93/EU

*This certificate is issued to*

**SURVITEC SAS**

CHEVANCEAUX - FRANCE

*for the type of product*

**AUTOMATICALLY SELF-RIGHTING LIFERAFTS**

"150 TO SR V"

150 Man Throw-Overboard Automatically self-righting liferafts SOLAS B pack

Trademarks: SURVITEC, CREWSAVER, ELLIOT, DSB, SURVITECZODIAC, RFD

### Requirements:

SOLAS 74 Convention as amended, Reg.III/4,X/3,III/26 & III/34

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)

IMO Res. MSC.36(63)-8 & Res. MSC.97(73)-8

IMO Res. MSC.81(70) amended by MSC.200(80),MSC.226(82),MSC.274(85),MSC.295(87),MSC.321(89),MSC.323(89)  
&MSC.378(93)

IMO MSC/Circ.809 incl. Add.1, IMO MSC/Circ.811, IMO MSC/Circ.980

IMO MSC/Circ.1328 (Option)

*This certificate is issued on behalf of the French Maritime Authorities to attest that BUREAU VERITAS did undertake the relevant  
type-examination procedures for the product identified above which was found to comply with the relevant requirements of the Council Directive  
96/98/EC of 20 December 1996 as amended.*


**This certificate will expire on: 19 Feb 2021**

For BUREAU VERITAS Notified Body 0062,

At BV BORDEAUX, on 19 Feb 2016,

Frédéric PALLARD



**This certificate does not allow to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark ) to the products corresponding to this type. To this end, the production-control phase module (D, E or F) of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a notified body.**

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 will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. BUREAU VERITAS is designated by the French Maritime Authority as a "notified body" under the terms of the French Regulations Division 140 Chapter 140-2. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine & Offshore Division 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 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:

<b>Trademark</b>	SURVITEC, CREWSAVER, ELLIOT, DSB, SURVITECZODIAC, RFD
<b>Type</b>	150 TO SR V - 150 man Throw-Overboard Automatically self- righting SOLAS Liferaft with a B SOLAS pack

Overall dimensions of the inflated liferaft (mm)			Working pressure (mb)	
Length	Width	Height	Buoyancy tubes	Arch tubes
14767	5530	3300	162	239

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

150 TO SR V 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 bowing lines arrangement (EBL)" or a "central bowing lines arrangement (CBL)".

### 2. DOCUMENTS AND DRAWINGS:

- Drawings and specifications:

Number	Title	Issue	Date
CHX BE 378	SURVITECZODIAC 150 MAN TO SR V Pack B	A	28/12/2015
---	BRANDS FILE	---	29/05/2013

- Material and components

Number	Title	Issue	Date
D.I.F 02	Suppliers file liferaft COASTAL - TO - TOSR - DL- DLSR - ORIL	K	28/12/2015
75557:1203	Test certificate – inner canopy	-	11/12/2003

- 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	01	27/03/2014

#### TOWING FORCE

	With the sea anchor deployed	Without the sea anchor deployed
Towed at 2 knots	295 DaN	250 DaN
Towed at 3 knots	570 DaN	485 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: 150 persons.
- The maintenance of the liferaft shall be carried out according to the IMO Resolution A.761(18) as amended and with instructions stated in the Manual(s) for installation use and maintenance.

Maximum stowage height (m)	Container	Pack	Weight (kg)
20	Cylindrical container N°27 (210300)	B	490

**5. PRODUCTION SURVEY REQUIREMENTS:**

This certificate alone does not allow the applicant to issue the Declaration of Conformity and to affix the mark of conformity (wheelmark) to the products corresponding to this type. To this end, the production-control phase module D "Production Quality Assurance" or E "Product Quality Assurance" or F "Product Verification" of Annex B of the Directive is to be complied with and controlled by a written inspection agreement with a Notified Body.

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.

Each liferaft intended to be fitted onboard a ship registered to a National register adhering to the Directive shall be delivered with a Declaration of Conformity.

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 life-rafts.

For information concerning the production phase modules, **Survitec SAS, France** has declared the following manufacturing places :

**Survitec SAS**

Route de Chatenet 17210 Chevanceaux - France

**6. MARKING OF PRODUCT:**

Markings on container	Markings on inflatable liferaft
Maker's name or trade mark.	Maker's name or trade mark.
Serial Number	Serial Number
Name of approving authority	Name of approving authority
Markings as per MED 96/98/EC: $\alpha$ YYYY/XX where YYYY is the number of the Notified Body undertaking surveillance module (where BV, 0062) and XX are the last two digits of year mark affixed	
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
Type of emergency pack enclosed	Date of manufacture (month and year)
Length of painter	
Maximum permitted stowage height above waterline	
Launching instructions	
SOLAS	

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:**

This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the inflatable liferafts at any time, and that **Survitec SAS, France**, will accept the responsibility for informing shipbuilders or their sub-contractors of the proper methods of use and general maintenance of the liferaft and the conditions of this approval.

This Certificate supersedes the EC Type Examination Certificate N° 15670/B4 EC, issued on 23/04/2014 by the Society.

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 \*\*\*