



MARINE DIVISION

Certificate number: 07588/C2 EC

File number: LSA 1626/09

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 2010/68/EU

This certificate is issued to

SURVITEC SAS
CHEVANCEAUX - FRANCE

for the type of product

AUTOMATICALLY SELF-RIGHTING LIFERAFTS

SURVITECZODIAC 25 man throw-over self-righting SOLAS A and B pack inflatable liferaft, packed in cylindrical container

Requirements:

SOLAS 74 Convention as amended,

Reg. III/4, X/3, III/26 & III/34

IMO Res. MSC.48(66) amended by MSC.207(81), MSC.218(82), MSC.272(85), MSC.293(87) & MSC.320(89)

IMO Res. MSC.36(63) 8 - IMO 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)

IMO MSC/Circ.809 including Add.1, IMO MSC/Circ.811 & IMO MSC/Circ.980

This certificate is issued under the French Maritime Authority 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: 09 Feb 2014

For BUREAU VERITAS Notified Body 0062,

At BV BORDEAUX, on 03 Jan 2012,

Raphael Garnier



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 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:

Liferaft Type 25 TOSR - SURVITECZODIAC 25 man throw -overboard self righting with a SOLAS A pack or SOLAS B pack.

Overall dimensions of the inflated liferaft (mm)			Working pressure (mb)
Length	Width	Height	
4645	3500	2070	162

As indicated in the technical documentation submitted by the Applicant.

2. DOCUMENTS AND DRAWINGS:

- Drawings and specifications:

Number	Title	Issue	Date
CHXBE 292	ZODIAC 25 MAN TO SR pack A & B	C	31/10/2008

- Material and components :

Number	Title	Issue	Date
D.I.F 02	Suppliers file for liferafts COASTAL-TO-TOSR-DL-DLSR-ORIL	E	27/10/2011
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:

The type of liferaft has been type tested by the manufacturer and witnessed by Bureau Veritas as per test reports listed :

DATE	TEST	
09/12/2008		Initial type test report of the liferaft throw-overboard 25 TO SR
22/01/2010	BE 047/2009	Additional drop test (new pyro)
22/01/2010	BE 003/2010	Additional drop test (new water / food rations)
25/10/2011	BE 042/2011	Additional Type tests related to the modification of the assumed average mass of the persons (from 75kg to 82.5kg)

TOWING FORCE

	With the sea anchor deployed	Without the sea anchor deployed
Towed at 2 knots	143 daN	92 daN
Towed at 3 knots	212 daN	149daN

4. APPLICATION / LIMITATION:

- As per requirements stated on front page of this certificate.
- Maximum capacity: 25 persons.
- The liferaft may be approved for extended service intervals up to 30 months in accordance with SOLAS Ch. III Regulation 20.8.3. Such extended service intervals must be approved by ship flag administration and the liferaft must be checked onboard in accordance with SOLAS Ch. III Regulation 20.8.3.2
- 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)
25	Cylindrical container and Cyl.Con. EPS	A	207
		B	146

5. PRODUCTION SURVEY REQUIREMENTS:

This certificate 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.

Survitec SAS, France has declared to Bureau Veritas that the liferafts described in this certificate are manufactured at the following production site:

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.
	Serial Number
	Name of approving authority
Markings as per MED 96/98/EC: α 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	

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 EC Type Examination Certificate N° 07588/C1 EC, issued on 18/03/2010 by Bureau Veritas.

*** END OF CERTIFICATE ***