Transport Canada
Safety and Security

Certificate No: LR22422404TC
Issue Date: 02/08/2022
Expiry Date: 01/08/2027

Certificate Of Type Approval Issued On Behalf Of Transport of Canada

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 when authorised by Transport Canada to issue the relevant certificates, licences, permits etc.

Manufacturer	**Survitec Group Ltd**
Address	Kingsway, Dunmurry, Belfast, BT17 9AF, Northern Island
Type	**Inflatable Buoyant Apparatus**
Description	10 and 20 persons capacity throw/roll Inflatable Buoyant Apparatus.
Trade Name	**RFD Ferryman** (also known as 'Beaufort ORL', 'DSB', 'DSB LR14 R',' Crewsaver', 'ELLIOT', 'SURVITEC', 'SURVITEC ZODIAC', "SSPI" and "RFD Toyo").
Specified Standard	IMO Resolution MSC.81(70) Part 1 as amended. TP 14475E 46CFR Subpart 160.010

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 Design Appraisal Document and its supplementary Type Approval Terms and Conditions form part of this Certificate.

Lijo Thomas

Lijo Thomas

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. LR22422404TC

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 of Certificate Number LRTC 0000161

APPROVAL DOCUMENTATION

Drawing No.	Revision	Date	Title
D52823, sheet 1&2	0	19/08/2016	Main Assembly (20 Persons)
D52808, sheet 1&2	0	19/08/2016	Main Assembly (10 persons)

TEST REPORTS

Report No	Date
2014-030	05/06/2014
1992-019(19/PHD/MA)	03/03/1992
2014-052	22/10/2014
2014-004	03/03/2014
2014-036	10/06/2014
2014-054	23/10/2014
2014-028	02/06/2014
2014-055	28/10/2014
2014-056	29/10/2014
1993-050	06/07/1993
1998-009	20/03/1998
2014-057	29/10/2014
2014-031	05/06/2014

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2014-014	03/03/2014
2015-006	23/01/2015
2014-032	09/06/2014
2008-060	27/08/2008
2014-037	09/06/2014
TR2016-018	24/06/2016
TR2016-020	29/07/2016
TR2016-021	29/07/2016
TR2016-024	22/09/2016

CONDITIONS OF CERTIFICATION

Container type/size	Raft capacity	Stowage height (m)	Weight (kg)
MK10 Size3	10	18	64
MK14 Size12	10	18	68
MK16 Size1	10	18	68
MK10 Size4	20	18	93
MK14 Size14	20	18	94
MK16 Size2	20	18	93

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1. Maximum Stowage Height above water surface is 18 meters.
2. Maximum towing force for the inflatable rescue platform; 1.15 KN@2 Kts, 5.23 KN@ 3 knots.
3. Marking and labelling of inflatable buoyant apparatus must be in accordance with the requirements of CFR 46 160.151-33, as well as IMO LSA Code, chapter IV/4.2.6.3 and 4.2.7.1.6, except that the device must be identified as an "INFLATABLE BUOYANT APPARATUS", and no "SOLAS" markings shall be placed on the container of the apparatus. The capacity marking specified in IMO LSA Code, chapter IV/4.2.7.1.6 must be applied to the top of each buoyancy tube.
4. An instruction placard meeting the requirements of CFR 46 160.151-59(c), giving simple procedures and illustrations for inflating, launching, and boarding the inflatable buoyant apparatus, must be made available to the operator or master of each vessel on which the apparatus is to be carried. All instructions or markings that accompany this apparatus or are printed directly on the apparatus must be in both English and French, as per Canadian procedures for approval of life-saving appliances and fire safety systems, equipment and procedures TP 14612E (02/2019) paragraph 2.2.1.3. However independent signage can be accepted in lieu of the instructions or marking required in 2.2.1.3 if it is in both English and French, highly visible (size, colour, posting location), water and weatherproof and posted at each muster station and where the appliance is stored.
5. The information contained in the nameplate shall be in English and French.
6. Inflatable buoyant apparatus must be serviced periodically at approved servicing facilities in accordance with the applicable requirements of 46 CFR 160.151-35 through 46 CFR 160.151-57.
7. Production inspections and tests for inflatable buoyant apparatus must be performed in accordance with the applicable requirements of 46 CFR 160.151-31.
8. All equipment in accordance with paragraph 12 of 46 CFR 160.010-3 shall be provided with the inflatable buoyant apparatus. Duplicate equipment must be provided, for each side of a reversible inflatable apparatus, if equipment is not accessible from both sides.
9. **Installation on board**: The on-board arrangements and installation of the inflatable buoyant apparatus are not part of this design appraisal or certificate. All such arrangements are to be to the satisfaction of the Surveyors attending on board.
10. If the specified standards are amended during the validity of this certificate, the product is to be re-approved prior to it being supplied to vessels to which the amended standards apply.
11. Production items are to be manufactured in accordance with a quality control procedure and records kept as required by MSC.81 (70) Part 2, Paragraph 1.2. Production tests are to be conducted to ensure compliance with SOLAS Chapter III Regulation 5. 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 below be required, i.e., where 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 as this Certificate will require to be updated for Approval to be maintained.

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Reference: UKITSO/LSA/LT/WP47542910/PRJ11100380281

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PLACE OF PRODUCTION

Survitec Group Ltd,
Kingsways , Dunmurry,
Belfast,
BT17 9AF,
Northern Ireland

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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