



CERTIFICATE OF TYPE APPROVAL

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 ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

Manufacturer Survitec Services & Distribution

Address Survitec House
Lederle Lane
Gosport, PO13 0FZ
United Kingdom (UK)

Product Type LIFEJACKETS

Product Description Inherently Buoyant Infant Lifejacket - Type: "Premier 2010" also known as "MERMAN 20"

Specified Standard IMO Resolution MSC.81 (70), Part 1 as amended to date

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

Date of issue 11 January 2019

Expiry date 31 July 2023

Certificate No. SAS S180053/M1

Signed

Sheet No 1 of 4

Name

L. Thomas
Surveyor to Lloyd's Register EMEA
A Member of the Lloyd's Register Group

Note:

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 of any modification or changes to the equipment in order to obtain a valid certificate.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Page	2 of 4
Document number	SAS S180053/M1
Issue number	1

DESIGN APPRAISAL DOCUMENT

Date 11 January 2019	Quote this reference on all future communications UKITSO/SFS/TA/LT/WP33410729
-------------------------	--

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S180053/M1

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 certificate is a renewal of SAS S180053

EXAMINED DOCUMENTATION

- Technical File Issue 3, Reference 00734.
- Product Specification Part A (Overseas), Product name Premier 2010 Lifejacket (10572 adult, 10573 child & 10574 infant), Rev. No 42, design code 00734 & dated 19th September 2016.

<u>Drawing No.</u>	<u>Rev</u>	<u>Title</u>	<u>Date</u>
01090005	-	General Arrangement	01/04/09
01090006	-	Dimension Drawing	21/01/09
01090009	-	Infant Lifejacket Cover Pattern	21/01/09
050800010	-	Foam Pattern	01/04/09
050800013	-	Foam Dimension	17/03/08
010900014	-	Lifejacket Construction	01/04/09

TEST REPORTS

<u>Report Title or Author</u>	<u>Report No.</u>	<u>Date</u>
Fleetwood Testing Laboratory	BLS/FTL/1170	25/07/07
Fleetwood Testing Laboratory	BLS/FTL/1170a	28/08/08
DGUV	0810087	02/06/08
Fleetwood Testing Laboratory	BLS/FTL/2083	27/11/08
Fleetwood Testing Laboratory	BLS/FTL/2095	19/01/09
Fleetwood Testing Laboratory	BLS/FTL/2299	02/12/10
Fleetwood Testing Laboratory	DK/FTL/2431	12/07/12
Satra Technology Centre	SPC0183196/1010/1	12/05/10
Force Technology (buckle)	107-38263.b	14/08/08

CONDITIONS OF CERTIFICATION

<u>Materials</u>	
Buoyancy Foams	EPE (Jiao Long), LO141, HM0141
Cover Fabric	FZ 100% polyester 140 gsm
Front Buckle	ITW NEXUS SS40

1. The lifejacket is approved only for use by persons with weight less than 15 kg and height less than 100 cm
2. The minimum total buoyancy of this lifejacket design is 68 N
3. Instructions for use shall be provided with each lifejacket. As prescribed by SOLAS Regulation III/35 one or more additional copies shall be provided for inclusion in the vessel's Training Manual



Page	3 of 4
Document number	SAS S180053/M1
Issue number	1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
11 January 2019	UKITSO/SFS/TA/LT/WP33410729

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S180053/M1

4. As prescribed by SOLAS Regulation III/36 and where applicable, lifejackets shall be maintained as per manufacturer's instructions
5. Each lifejacket shall also be marked with the information required by LSA Code as amended by Regulation I/1.2.2.9 and II/2.2.1.2
6. When required, an approved lifejacket light meeting the requirements of the LSA Code as amended by Regulation II/2.2.3 is to be fitted. The light is to be tested and meet the requirements of IMO Resolution MSC.81 (70), Part 1, 10.3 and 10.4 and is attachment have to be to the satisfaction of the attending Surveyors
7. Each lifejacket shall be fitted with a whistle firmly secured by a lanyard as per LSA Code as amended by Regulation II/2.2.1.14
8. Each lifejacket shall be provided with a releasable buoyant line or other means to secure it to a lifejacket worn by another person in the water as per LSA Code as amended by Regulation II/2.2.1.16
9. The storage of this equipment is not part of this Design Appraisal or Certificate. All such arrangements are to be to the satisfaction of the attending Surveyors on board
10. 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
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. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and each item, batch, or lot be delivered with an LR Certificate of SOLAS Production Testing issued by the attending LR Surveyors following their witness of the tests. 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
13. Should a change of Place of Production from that stated below be required 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 Certificate will require to be updated for Approval to be maintained



Lloyd's
Register

Lloyd's Register EMEA (Southampton)

Marine & Offshore UK&I

*Lloyd's Register Global Technology Centre, Southampton
Boldrewood Innovation Campus, Burgess Road, Southampton,
SO16 7QF*

Telephone +44 330 414 1000 / E-mail tass@lr.org

Page 4 of 4
Document number SAS S180053/M1
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 11 January 2019	Quote this reference on all future communications UKITSO/SFS/TA/LT/WP33410729
-------------------------	--

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS S180053/M1

PLACES OF PRODUCTION

Survitec Service & Distribution Ltd. Survitec House
Lederle Lane
Gosport
Hampshire
PO13 0FZ

Winning Industrial co., Ltd.
Chuan Tang industrial Zone
Liao Bu, Dong Guan
Guang Dong
China



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).