



Lloyd's  
Register

Transport  
Canada  
Safety and Security



## CERTIFICATE OF TYPE APPROVAL ISSUED ON BEHALF OF TRANSPORT CANADA

This is to certify that


The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations with regards to 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 Transport Canada to issue the relevant certificates, licences, permits etc.

|                            |  |
|----------------------------|--|
| <b>Manufacturer</b>        | Survitec Services & Distribution   |
| <b>Address</b>             | Survitec House<br>Lederle Lane<br>Gosport, PO13 0FZ<br>United Kingdom (UK)           |
| <b>Product Type</b>        | LIFEJACKETS  |
| <b>Product Description</b> | Inherently Buoyant Child Lifejacket – Type: “Premier 2010” also known as “MERMAN 20” |
| <b>Specified Standard</b>  | 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                      10 January 2019                      Expiry date    31 July 2023

Certificate No.                      LRTC 0000222/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.



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**DESIGN APPRAISAL DOCUMENT**

|                         |  |
|-------------------------|--|
| Date<br>11 January 2019 | Quote this reference on all future communications<br>UKITSO/SFS/TA/LT/WP33041729 |
|-------------------------|--|

**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LRTC 0000222/M1**

This Design Appraisal Document forms part of the Certificate.

This certificate is a renewal of LRTC 0000222

**EXAMINED DOCUMENTATION**

- Technical File Issue 3, Reference 00734, dated 06.2010.
- 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> |
|--------------------|------------|--------------------------------|-------------|
| 01090003           | -          | General Arrangement            | 01/04/09    |
| 01090004           | -          | Dimension Drawing              | 21/01/09    |
| 01090008           | -          | Child Lifejacket Cover Pattern | 21/01/09    |
| 050800010          | -          | Foam Pattern                   | 01/04/09    |
| 050800012          | -          | 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. All instructions or markings that accompany life-saving appliances or are printed directly on the appliances must be in both English and French, as per Canadian procedures for approval of life-saving appliances and fire safety systems, equipment and products document no. TP 14612E (05/2011) paragraph 2.2.1.3. However independent signage can be accepted in lieu of the instructions or marking required in paragraph 2.2.1.3 if it is in both English and French, highly visible (size, colour, posting location), water and weather proof and posted at each muster station and where the appliance is stored



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**Lloyd's Register EMEA (Southampton)**

*Marine & Offshore UK&I*

*Lloyd's Register Global Technology Centre, Southampton  
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2. The lifejacket is approved only for use by persons within a weight and height range of 15-43 kg and 100-155 cm
3. The minimum total buoyancy of this lifejacket design is 108 N
4. 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
5. As prescribed by SOLAS Regulation III/36 and where applicable, lifejackets shall be maintained as per manufacturer's instructions
6. 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
7. 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
8. 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
9. 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
10. 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
11. 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
12. 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
13. 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
14. 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



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## Lloyd's Register EMEA (Southampton)

Marine & Offshore UK&I

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### DESIGN APPRAISAL DOCUMENT

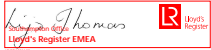
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#### ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. LRTC 0000222/M1

#### 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).*