

EU Type-Examination (Module B)

Directive for Marine Equipment

Certificate No.: **0200-MarED-07131 version 1**

Issued by FORCE Certification A/S - EC-notified body number 0200

This is to certify that:

FORCE Certification A/S did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the Life Saving Appliance requirements of Marine Equipment Directive (MED) 2014/90/EU and Implementing Regulative (EU) 2018/773 subject to any conditions in the schedule attached hereto.

Applicant and Manufacturer: **Typhoon International**
Limerick Road
Redcar
Cleveland
TS105JU

Identification of Marine Equipment:

Item: **MED/1.5a**

Product Type: **Live saving appliances**
- Non-insulated immersion suit, designed to be worn with a lifejacket

Product Designation: **Water Operational Safety Suit (WOSS)**

No.: **120153**

Alternative versions: **Transit SOLAS Suit / Lite SOLAS Suit / Elite SOLAS Suit**

No.: **130620 / 130622 / 130623**

Size: **S SM M ML L XL XXL XXXL MB LB**

Specified Standard: **LSA code MSC.48(66) adopted on 4 June 1996 and MSC.81(70) adopted on 11th December 1998**

Amendments to LSA code:

MSC.207(81) adopted on 18 May 2006

MSC.218(82) adopted on 8 Dec. 2006

Amendments to testing methods:

MSC.200(80) adopted on 13 May 2005

MSC.226(82) adopted on 8 Dec. 2006

MSC.323(89) adopted on 20 May. 2011

The examined samples are found to fulfil the requirements stated in:

The International Testing Standard IMO Res. MSC.81(70) and the applicable reg. SOLAS 74 as amended, where the relevant requirements are specified in the amendment to the Directive, item MED/1.5a, 1.5b & 1.5c.

Documentation for observance of relevant requirements stated in ANNEX II (Module B) of the Directive and the basis for the type examination are described in the appendix to this certificate.

This certificate will remain valid unless cancelled or revoked, provided the conditions in the attached appendix are complied with and the equipment remains satisfactory in service.

The certificate will not be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with the notified body named on this certificate.

Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be reapproved prior to it/they being placed on board vessels to which the amended regulations or standards apply.

FORCE Certification A/S task No.: 119-30035/ FC ID No: 07131

Date of issue: 2019-08-27

Date of expiry: 2024-08-27



Kasper Munk Eliassen
Certification manager



Søren Bo Jensen
Examiner



The Mark of Conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity may only be issued when the production/product assessment module (D, E or F), ANNEX II of the Directive is fully complied with and controlled by a written inspection agreement with a notified body.

Extracts from this EC Type-Examination Certificate may only be reproduced with a written permission from FORCE Certification A/S

Appendix to EC Type-Examination Certificate

Directive for Marine Equipment

Certificate No.: 0200-MarED-07131 version 1

Issued by FORCE Certification A/S - EC-notified body number 0200

Applicant and
Manufacturer: **Typhoon International**
Limerick Road
Redcar
Cleveland
TS105JU

Identification of Marine Equipment:
Item: **MED/1.5a**

Product Type: **Live saving appliances**
- Non-insulated immersion suit, designed to be worn with a lifejacket

Product Designation: **Water Operational Safety Suit (WOSS)**
No.: **120153**

Alternative versions: **Transit SOLAS Suit / Lite SOLAS Suit / Elite SOLAS Suit**
No.: **130620 / 130622 / 130623**

Size: **S SM M ML L XL XXL XXXL MB LB**

Design:



120153
Front entry, neoprene or latex neck and cuff seals, fabric socks or thermic boots and integrated head covering



130620 / 130622 / 130623 diagonal front entry, neoprene cuff and neck seals and fabric socks or thermic boots



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History:

Issue/change:	Document:	FC ID No.	Date:
- Original Fleetwood NB certificate for WOSS, 120153	T1/15/004/04/MED/2653a Issue 1	-	2018-11-16
- Supplementary Fleetwood NB certificate for Wintech variants, 130620; 130622 and 130623	T1/18/016/04/MED/3027	-	2018-11-16
- Supplementary Fleetwood NB certificate for Typhoon variants, 130620; 130622 and 130623	T1/18/017/04/MED/3027	-	2018-11-16
- Original FORCE Certification certificate for WOSS 120153 and variants 130620; 133622 and 130623	0200-MarED-07131 version 1	07131	2019-08-27

Manufacturer/Sub-supplier:

Typhoon International	Typhoon International Limerick Road Redcar Cleveland TS105JU
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Documentation for observance of the relevant requirements:

Test House	File No.	Testing/Inspection of:
Fleetwood	BLS/FTL/2032	Type testing of WOSS 120153
SINTEF	F8380	Thermal testing for non-insulated suit 120153.
Fleetwood	DB/FTL/3027	Supplementary testing of variants 130620 and 130622
Fleetwood NB	FTH-REQ-17	FNB Requirements Checklist (2653a & 3227)
Fleetwood	BLS/FTL/2653a	Supplementary testing of buddy line
Fleetwood	DK/FTL/2502	ETSO-2C504

Partial conclusion: The examined samples are found to fulfil the requirements in the applicable reg. SOLAS 74, as amended, and the International Testing Standard IMO Res. MSC 81(70) referred to in MED/1.5a as well as the requirements in ANNEX II, Module B of the directive.

The following documentation was available:

" T253 Technical File 120153 SOLAS WOSS & variants - version 9 - FORCE 18.07.19"

List of materials/manufacturers used for manufacturing the device:

See "List of Materials for 0200-MarED-07131" valid on the date of production.

Conclusion

Based on the above mentioned attestation it can be concluded that the immersion suits designated WOSS, No 120513; Transit SOLAS uit, No 130620; Lite SOLAS Suit, No 130622 and Elite SOLAS Suit, No 130623, meet the conditions of EC type-examination in accordance with the Marine Equipment Directive (MED) 2014/90/EU and Implementing Regulative (EU) 2018/773.

FORCE Certification A/S task No.: 119-30035

Date: 2019-08-27

A handwritten signature in blue ink, appearing to read "Søren Bo Jensen".

Søren Bo Jensen
Examiner