

ANAVE – Circular de Régimen Interior

Madrid, 19 de diciembre de 2019
Ref: SMA 52/2019/PH

Asunto: Equipos marinos. Retirada y sustitución de equipos marinos a bordo de los buques

Muy Srs. nuestros:

La DGMM nos ha enviado un oficio, de fecha 13 de diciembre de 2019, en el que nos informan de que varios **equipos marinos no cumplen** los requisitos de la [Directiva 2014/90/UE](#) sobre equipos marinos, transpuesta a nuestra normativa mediante el [RD 701/2016](#), y que les adjuntamos en un **Anexo**.

Si alguno de estos equipos se encuentra a bordo de uno de sus buques, la compañía deberá **ponerlo en conocimiento de la Capitanía Marítima** correspondiente y **sustituirlo con la máxima diligencia posible** por otro que sí cumpla dicha norma.

Los equipos afectados son:

- Dispositivo de medición de la velocidad y la distancia (SDME): modelo “KW919-SMIDS SHIPS MOVEMENT INFORMATION DISPLAY SYSTEM”.
- Equipo de bombero, indumentaria protectora (proximidad inmediata): modelo “Flameguard Plus PG Products Ltd.”
- Equipo de bombero, indumentaria protectora (proximidad inmediata): modelo “Fire-fighters Protective Clothing, XFHO-II, Dongtai City Haiou Navigation Equipment Co.Ltd.”

En el caso del equipo a) anterior, la DGMM aceptaría, como alternativa a sustituirlo, la actualización del *software* y la revisión del manual. La compañía que opte por esta solución deberá contactar previamente con los servicios centrales de la DGMM en el email: equiposmarinos.dgmm@fomento.es, quienes le indicarán el procedimiento a seguir.

En el oficio se detalla para cada equipo información sobre la designación del elemento/identificación, número del elemento, organismo notificado y motivo de la no conformidad.

Los servicios de Inspección Marítima de las Capitanías u Organizaciones Autorizadas van a verificar que ninguno de los equipos citados están a bordo de los buques durante las inspecciones de reconocimiento anual, intermedio, periódico o de renovación de los Certificados Internacionales de Seguridad para Buque de Carga, Pasaje o para Naves de Gran Velocidad, al igual que otros buques fuera del alcance de los certificados anteriores pero obligados a llevar alguno de estos equipos por la normativa nacional (RD 1837/2000, artículo 42.1).

Según el Oficio, **el armador, capitán o representante autorizado, deberá entregar una declaración responsable de que los equipos no conformes sustituidos han sido retirados**. Dicha declaración deberá recoger que el equipo va a ser entregado en un punto limpio o a un gestor de residuos. No obstante, dado que el armador puede decidir iniciar acciones legales contra el fabricante por el incumplimiento de sus obligaciones (art. 11 del RD 701/2016) las empresas que decidan conservar estos equipos para tal fin u otro, deberán responsabilizarse en la declaración de que el equipo queda bajo su custodia y que se ha etiquetado indicando su prohibición de comercialización en territorio español e instalación en buques de bandera española.

Sobre este punto anterior, el requisito de hacer constar en la declaración responsable que el equipo no conforme va a ser entregado en un punto limpio o a un gestor de residuos no está recogido como tal en la Directiva ni en el RD, y entendemos que esta exigencia va más allá de las obligaciones establecidas en la normativa. Estamos en contacto con la DGMM para aclarar esta cuestión.

La Autoridad de Vigilancia del Mercado de Alemania ha sido quien ha notificado a España, a través del Procedimiento Comunitario de Salvaguardia/Productos, que los equipos citados plantean un riesgo grave para la seguridad.

La DGMM ha publicado esta información en la página *web* del Ministerio de Fomento, a la que se puede acceder a través del siguiente [enlace](#).

Saludos cordiales,

Manuel Carlier
Director General

**O F I C I O**

S/REF:

N/REF:

FECHA: (firma electrónica)

ASUNTO: EQUIPOS MARINOS-PROCEDIMIENTO COMUNITARIO DE SALVAGUARDIA
PROHIBICIÓN/RETIRADA DEL MERCADO**DESTINATARIO:** CAPITANES MARÍTIMOS
ORGANIZACIONES AUTORIZADAS
BUQUES DE PABELLÓN ESPAÑOL

La Autoridad de Vigilancia del Mercado de Alemania Sector 26.Equipos Marinos ha notificado al estado Español, a través del Procedimiento de Salvaguardia/Procedimiento en el caso de productos que plantean un riesgo, que los siguientes equipos:

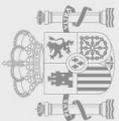
- DISPOSITIVO DE MEDICIÓN DE LA VELOCIDAD Y LA DISTANCIA (SDME)- KW919-SMIDS SHIPS MOVEMENT INFORMATION DISPLAY SYSTEM
Notificación: 2014/90/U-D-190306-2829
- EQUIPO DE BOMBERO: INDUMENTARIA PROTECTORA (PROXIMIDAD INMEDIATA)
Flameguard Plus PG Products Ltd.
Notificación: 2014-90-EU-D-180329-1734
- EQUIPO DE BOMBERO: INDUMENTARIA PROTECTORA (PROXIMIDAD INMEDIATA)
Fire-fighters Protective Clothing, XFHO-II, Dongtai City Haiou Navigation Equipment CO.,Ltd
Notificación: 2014-90-EU-D-181212-2642

no cumplen con los con los requisitos de la Directiva 2014/90/UE (R.D 701/2016) y que dicho incumplimiento no se limita sólo a su territorio nacional.

Adjunto a este oficio para cada uno de los equipos se detalla la información correspondiente (designación del elemento/identificación, N°elemento, Organismo Notificado, motivo de la no conformidad) y las medidas definitivas que la Dirección General de la Marina Mercante como Autoridad de Vigilancia del Mercado extiende al territorio Nacional en virtud del "Artículo 25. Procedimiento en el caso de equipos marinos que entrañen riesgos a nivel nacional" Real Decreto 701/2016, de 23 de diciembre, por el que se regulan los requisitos que deben cumplir los equipos marinos destinados a ser embarcados en los buques cve: BOE-A-2016-12273.

Atendiendo a la extensión de las medidas, los servicios de Inspección Marítima u Organizaciones Autorizadas, no aceptarán la instalación a bordo de buques españoles de ninguno de los equipos descritos supra.

Los servicios de Inspección Marítima de las Capitanías u Organizaciones Autorizadas, durante el transcurso del siguiente reconocimiento anual, intermedio, periódico o de renovación de los Certificados internacionales de seguridad para buque de carga, pasaje o para naves de gran velocidad, al igual que





otros buques fuera del alcance de los certificados anteriores pero susceptibles de llevar alguno de estos equipos obligado a ello por la normativa nacional (R.D 1837/2000 art 42 apt1), verificarán que ninguno de los equipos citados están instalados en el buque. En el caso de que estén instalados, dichos equipos deberán ser sustituidos por otros que cumplan los requisitos de la Directiva 2014/90/UE (R.D 701/2016) con la máxima diligencia posible, verificando la correspondiente declaración UE de conformidad, certificados de evaluación de conformidad en vigor y su instalación a bordo. Para el equipo DISPOSITIVO DE MEDICIÓN DE LA VELOCIDAD Y LA DISTANCIA (SDME)- KW919-SMIDS SHIPS MOVEMENT INFORMATION DISPLAY SYSTEM, en el que se puede reequipar (actualizando el software y revisando el manual) se deberán poner en contacto con servicios centrales a través del email equiposmarinos.dgmm@fomento.es, en el que se le indicará la forma de proceder.

El armador, capitán o representante autorizado, entregará declaración responsable de que los equipos no conformes sustituidos han sido retirados. Tal declaración deberá recoger que el equipo va a ser entregado en un punto limpio o gestor de residuos. Al existir la posibilidad legal de iniciar acciones contra el incumplimiento por parte del fabricante de sus obligaciones recogidas en el artículo 11 del R.D701/2016, los que conserven el equipo para tal fin u otro, deberán responsabilizarse en la declaración de que queda bajo su custodia y que se ha etiquetado indicando su prohibición de comercialización en territorio español e instalación en buques de bandera española.

Las Capitanías Marítimas u Organizaciones Autorizadas, comunicarán a servicios centrales Área Certificación-Vigilancia del Mercado de Equipos Marinos vía email equiposmarinos.dgmm@fomento.es, todas las actuaciones realizadas referentes a los equipos detectados, expuestas en el presente oficio.

LA SUBDIRECTORA GENERAL ADJUNTA
SUBDIRECCIÓN GENERAL DE SEGURIDAD, CONTAMINACIÓN E INSPECCIÓN MARÍTIMA

Ana Núñez Velasco
(Firmado electrónicamente)

DOCUMENTACIÓN ADJUNTA:

- DISPOSITIVO DE MEDICIÓN DE LA VELOCIDAD Y LA DISTANCIA (SDME)- KW919-SMIDS SHIPS MOVEMENT INFORMATION DISPLAY SYSTEM
 - SAFEGUARD REPORT-NOTIFICATION-ID-2014/90/U-D-190306-2829
 - DECLARATION OF CONFORMITY
- EQUIPO DE BOMBERO: INDUMENTARIA PROTECTORA (PROXIMIDAD INMEDIATA) Flameguard Plus PG Products Ltd.
 - SAFEGUARD REPORT-NOTIFICATION-ID-2014-90-EU-D-180329-1734
 - DECLARATION OF CONFORMITY
- EQUIPO DE BOMBERO: INDUMENTARIA PROTECTORA (PROXIMIDAD INMEDIATA) Fire-fighters Protective Clothing, XFHO-II, Dongtai City Haiou Navigation Equipment CO.,Ltd
 - SAFEGUARD REPORT-NOTIFICATION-ID-2014-90-EU-D-181212-2642
 - DECLARATION OF CONFORMITY





**DISPOSITIVO DE MEDICIÓN DE LA VELOCIDAD Y LA DISTANCIA (SDME)- KW919-SMIDS SHIPS
MOVEMENT INFORMATION DISPLAY SYSTEM**

NO CONFORMIDAD (INCUMPLIMIENTOS EN LA NORMA DE ENSAYO IEC 60945)

Los Dispositivo de medición de la velocidad y la distancia (SDME) (elemento: A.1/4.7) fabricada por AMI Marine (UK) Ltd. (El Reino Unido) modelo KW919-SMIDS Ships Movement Information Display System han sido evaluados por las autoridades Alemanas de Vigilancia del Mercado Sector Equipos Marinos. Dichos equipos tienen emitida por el fabricante declaración de conformidad (DoC) marca rueda Timón 0098/14. El Organismo Notificado 0098 - DNV GL SE tiene evaluada la conformidad (B+D).

Módulo B: Examen CE de tipo → Certificado N° 32 969 - 12 HH

Módulo D: Conformidad con el tipo basada en el aseguramiento de la calidad del proceso de producción → Certificado N° 32 970 - 12 HH

Las investigaciones realizadas determinan la no conformidad debido a:

- Identificadas desviaciones en el cumplimiento de la norma de ensayo IEC 60945 Sistemas y equipos de radiocomunicaciones y navegación. Requisitos Generales. Métodos de ensayo y resultados requeridos:

KW991-ND Navigators Horizontal Display Screen 2

- Incorrecta abreviación para nudos, para popa, falta de la indicación de unidades para la distancia y el total del trayecto, falta de indicaciones para la velocidad y distancia (GPS, GLONASS, LOG)

KW991-ND Navigators Horizontal Display Screen 3

- Falta de indicación de la posición (LAT/LONG) y de las unidades grados y minutos, además de falta de unidades para SOG (kn) and COG (°).

KW991-ND Navigators Horizontal Display Screen 4

- Falta de indicación de las unidades para la velocidad, distancia y total del trayecto.

KW991-SD Head Up Docking Display Screen 2

- Falta de indicación de la velocidad (SOG) y rumbo (HDG), falta de indicaciones para la velocidad y rumbo (GPS, GLONASS, LOG, GYRO), junto con las unidades de velocidad (kn) y rumbo (°).

KW991-HR Heading Display

- Pantalla 1 & 2 falta de indicaciones y unidad para el rumbo y falta de unidad para la velocidad de giro. Pantalla 3 falta de indicaciones y unidad para la velocidad de giro. Pantalla 4 falta de indicaciones para el rumbo. Pantalla 5 falta de indicaciones y unidades.

Las Autoridades Alemanas han constatado que los equipos citados no cumplen los requisitos establecido en la directiva de equipos marinos. Tomando las siguientes medidas:

- Prohíbe provisionalmente la comercialización en el mercado y en los buques de pabellón Alemán.
- Los productos ya introducidos en el mercado, o instalado en buques de pabellón Alemán provisionalmente serán reequipados (actualización del software y revisión del manual) antes del 30 de abril 2019.

La decisión fue lanzada y notificada el 06/03/2019 pasado 4 meses no ha recibido ninguna objeción por parte de ningún estado miembro ni de la comisión europea, considerándose justificada de acuerdo a lo establecido en el *Artículo 26. Procedimiento en el caso de equipos marinos que entrañen riesgos a nivel nacional Real Decreto 701/2016.*

La incorrecta o falta de indicación de los datos necesarios junto con el incorrecto o falta de indicación de las unidades suponen un peligro para la seguridad de la navegación, lo cual puede ser causa por sí mismo de hundimiento o colisión.

El incumplimiento no se limita al territorio nacional de Alemania, habiendo sido notificada España a través del Procedimiento de Salvaguardia de la Unión Europea.

En virtud del *Artículo 25. Procedimiento en el caso de equipos marinos que entrañen riesgos a nivel nacional Real Decreto 701/2016*, de 23 de diciembre, por el que se regulan los requisitos que deben cumplir los equipos marinos destinados a ser embarcados en los buques, la Dirección General de la Marina Mercante extiende las medidas al territorio Nacional Español:

- Prohíbe la comercialización en el mercado y buques de pabellón Español.
- Los productos ya introducidos en el mercado, o instalados en buques de pabellón Español serán reequipados (actualización del software y revisión del manual).

Documentos Adjuntos:

SAFEGUARD REPORT-NOTIFICATION-ID-2014/90/U-D-190306-2829

DECLARATION OF CONFORMITY



**MINISTERIO
DE FOMENTO**

Secretaría General de Transportes

*Dirección General de la
Marina Mercante*

*Subdirección General de Seguridad,
Contaminación e Inspección Marítima*

*Calle Ruiz de Alarcón,1
28071 MADRID
Tel. 91-597 90 57
Fax 91-597 92 42*

BASE LEGAL:

- Real Decreto 701/2016, de 23 de diciembre, por el que se regulan los requisitos que deben cumplir los equipos marinos destinados a ser embarcados en los buques.
- REGLAMENTO (CE) No 765/2008 DEL PARLAMENTO EUROPEO Y DEL CONSEJO de 9 de julio de 2008 por el que se establecen los requisitos de acreditación y vigilancia del mercado relativos a la comercialización de los productos.
- DECISIÓN No 768/2008/CE DEL PARLAMENTO EUROPEO Y DEL CONSEJO de 9 de julio de 2008 sobre un marco común para la comercialización de los productos.
- DIRECTIVA 2014/90/UE DEL PARLAMENTO EUROPEO Y DEL CONSEJO de 23 de julio de 2014 sobre equipos marinos.

Safeguard Report

PI 190300139023
 CI GEN190306120530

General

SFG 1 Number of the notification 2014/90/U-D-190306-2829

SFG 2 Status Closed

SFG 3 Notifying member State Germany
 GEN 7

SFG 4 Notifying Authority
 GEN 8

[6638] Bundesamt für Seeschifffahrt und Hydrographie
 Street | No. Bernhard-Nocht-Str. 78
 Postal code 20359
 City Hamburg
 P.O. Box Postal code | P.O. Box No.
 Phone +49 40 3190 7100
 Fax +49 40 3190 5000
 E-mail marktueberwachung@bsh.de
 Website www.bsh.de

SFG 5 Notifying Contact
 GEN 9

Mathias SPRENGER
 Phone +49 40 3190 7112
 E-mail Mathias.Sprenger@bsh.de
 Fax +49 40 3190 5000

SFG 6 Date of Creation 06/03/2019

SFG 7 Date of Launch 06/03/2019

Product

SFG 8 Name and description of the product
 PROD 12
 PROD 18

Ships Movement Information Display System (SMIDS)
 DE
 KW991-ND Navigators Horizontal Display Screen 2
 • wrong abbreviation for knots (KTS instead of kn)
 • wrong abbreviation STN for stern (according to IEC 62288 Ed. 2 STN stands for STATION)
 • missing units (NM) for distance and total run
 • missing sources for speed and distance (GPS, GLONASS, LOG)
 KW991-ND Navigators Horizontal Display Screen 3
 • designator (LAT/LONG) for position is missing
 • missing units (degree and minute symbols) of the position indication
 • missing source for position (GPS/GLONASS)
 • missing units for SOG (kn) and COG (°)
 KW991-ND Navigators Horizontal Display Screen 4
 • missing units for speed (kn), distance and total run (NM)
 KW991-SD Head Up Docking Display Screen 2
 • missing designator for speed (SOG) and heading (HDG)
 • missing sources for speed and heading (GPS, GLONASS, LOG, GYRO)
 • missing units for speed (kn) and heading (°)
 KW991-HR Heading Display
 • Screen 1 & 2) missing designator, source and unit for heading; missing source and unit for rate of turn
 • Screen 3) missing source and unit for rate of turn
 • Screen 4):missing designator and source for

heading
 • Screen 5): missing source and unit

SFG 9	UN number, dangerous substance, class, classification code	
SFG 10 PROD 14	Product category	3. Watercraft or means of water transport 3.1. Powered (motorized) watercraft or means of water transport 3.1.1. Merchant ship, cargo ship, oil tanker
SFG 11	Product Category (CEN/Cenelec or legislative classification)	
SFG 12	Product Category (Prodcom classification)	
SFG 13 PROD 9 PROD 15 PROD 16	Brand, type and serial number	AMI Marine Ltd. Zulassung vom 15.01.2007 KW919-SMIDS
SFG 14	Notified body which certified the product	DNV GL SE
SFG 15 PROD 23	Name and address of the manufacturer	1. AMI Marine Southampton, Hampshire Unit 9, Crosshouse Centre, Crosshouse Road SO14 5GZ United Kingdom +44 (0) 2380 480450 service@amimarine.com
SFG 16 GEN 18	Name and address of the authorised representative	
SFG 17 GEN 19	Name and address of the importer	
SFG 18 GEN 20	Name and address of the other person responsible for making the product available on the market	
SFG 19 PROD 20	Country of origin and the supply chain of the product	United Kingdom
SFG 20 GEN 21	Other countries in which the equipment is placed on the market	Deutschland Vereinigtes Königreich
SFG 21	Name of the manufacturer on the EU-Type Examination Certificate	AMI Marine (UK) Ltd.
SFG 22	Notified body involved on the EU-Type Examination Certificate	DNV GL SE
SFG 23	Name of the manufacturer on the production module	
SFG 24	Notified body involved on the production module	
SFG 25	Name of the subcontractor putting into use	
SFG 26	Name of the notified body -putting into use-	

Nature of Non-Compliance

SFG 27 GEN 50 GEN 51 GEN 52	Nature of the non-compliance and the risk involved	Andere näher bestimmte Verletzungsart
SFG 28 GEN 24 GEN 25	Legislation/essential requirements the product does not meet	2014/90/U - Schiffsausrüstung IEC 60945
SFG 29	Non-compliance due to	Failure of the product, to meet essential requirement(s), relating to the health or safety of persons or to other aspects of public interest protection IEC 60945 wird durch das Produkt nicht erfüllt

Test/Examination report
available
Test/examination date
15/12/2016
Test laboratory
Scope of testing

Request for Action

SFG 31 Actions towards the relevant economic operators

Has an appeal with Art 21 of Regulation (EC) No 765/2008 been launched by any of the involved operators
 No

letter sent to the manufacturer [15/12/2016] 35
 Anschreiben AMI - Sachverhalt - 15-12-2016.pdf (147.3 kB)

letter sent to the manufacturer [04/08/2017] 58 Email an Robin - Zustimmung 3. Handbuch - 04-08-2017.pdf (261.2 kB)

letter sent to the manufacturer [25/09/2018] 90 Email an Martin - Anfrage Schiffsliste - 25-09-2018.pdf (153.7 kB)

letter sent to the manufacturer [06/03/2019] 92a Bescheid an AMI Inverkehrbringungsverbot und Nachrüstung signed 06-03-2019.pdf (1,006.3 kB)

letter sent to the manufacturer [02/01/2018] 83 Email an Martin - Änderungswunsch Infoschreiben - 02-01-2018.pdf (178.5 kB)

letter sent to the manufacturer [28/06/2017] 48
 Anschreiben AMI - Auswertung Firmwareänderung - signed - 28-06-2017.pdf (131.2 kB)

letter sent to the manufacturer [10/10/2017] 67 Email an Robin - Zusage Schreiben und Fragen zu Urkunden - 10-10-2017.pdf (181.2 kB)

letter sent to the manufacturer [08/09/2017] 62 Email an Robin - Hinweis auf Dringlichkeit - 08-09-2017.pdf (135.3 kB)

letter sent to the notified body [26/06/2015] 03
 Anschreiben DNV GL - SMIDS Prüfberichte - 26-06-2015.pdf (236 kB)

SFG 32 Reactions by the relevant economic operators

letter sent by the manufacturer [28/02/2018] 86 Email von Hr Davidson - Rundschreiben - 28-02-2018.pdf (241.2 kB)

letter sent by the manufacturer [12/09/2018] 89 Email von Hr Grigg - SMIDS Infos - 12-09-2018.pdf (131.7 kB)

letter sent by the manufacturer [20/12/2016] 37 Email von AMI - Antwortschreiben - 19-12-2016.pdf (53.2 kB)

letter sent by the manufacturer [05/07/2017] 51 Email von Hr Grigg - neues Update - 05-07-2017.pdf (193.7 kB)

letter sent by the manufacturer [09/10/2017] 66 Email von Robin - Neues Anschreiben - 09-10-2017.pdf (177.6 kB)

letter sent by the notified body [24/08/2015] 16 Email von Fr Mydlak - Antworten und Reportmuster - 24-08-2015.pdf (157.7 kB)

letter sent by the notified body [26/04/2016] 26 Email von Hr Behlke DNV GL - AMI Änderungen - 26-04-2016.pdf (130.3 kB)

Justification

SFG 33 Harmonised standard(s) or other technical specifications IEC 60945
GEN 25

SFG 34 Identification of testing laboratory
GEN 43
GEN 45
GEN 47
GEN 48

Test/Examination report

available

Test/examination date

15/12/2016

Test laboratory

Scope of testing

Measures

SFG 35 Type of measure - compulsory
GEN 55

1. Authority (e.g. destroying products)
1. Withdrawal from market
2. Authority (e.g. destroying products)
2. Technical measures

SFG 36 Measures date
GEN 58

06/03/2019

SFG 37 Measures Reference

RL 2014/90/EU

SFG 38 Measures Notification method

Email / Einschreiben

SFG 39 Brief summary

1. The placing on the market of the products "SMIDS", which were produced on the basis of the

- type examination certificate QQ-MED-01/07-01 dated 25. January 2007 issued by QuinetiQ,
- the following type examination certificate 37969-12 HH dated 08. June 2012 issued by Germanischer Lloyd (GL) and
- the re-issued type examination certificate 37969-12 HH dated 13. March 2015 issued by DNV GL SE

is provisionally prohibited for the German market and ships fly-ing the German flag.

2. For the above-mentioned products, which have already been placed on the German market and on ships flying the German flag, I provi-sionally order that a retrofitting has to be carried out latest until 30 April 2019.

SFG 40 Has any other economic operator been informed?

Possibility for an appeal exists
Rechtsmittelfrist endet am 08. April 2019.

SFG 41 Have the relevant notified bodies been informed?

Yes
E-Mail
06/03/2019

SFG 42 Has the notified body been asked to ascertain or certify that the sample of the product, after the corrective action, satisfies the provisions of the relevant Directive?

No

Information

SFG 43 Copy of test reports
GEN 46

SFG 44 Copy of photographs
GEN 15
PROD 19

SFG 45 Copy of declaration of conformity
GEN 30

38a AMI-KW919-SMIDS-200.docx (131.6 kB)

SFG 46 Other information about the supply chain distribution

SFG 47 Certificate of type assessment of product under Directive 2010/35/EU

SFG 48 Copy of the decision taken by the MSA

92a Bescheid an AMI Inverkehrbringungsverbot und

Notifications



Declaration of Conformity

We of AMI Marine (UK) Ltd

Hereby declare that the equipment known as:

KW919-SMIDS Ships Movement Information Display System

Has been tested and certified as a Speed and Distance Measuring Equipment to the following specified standards:

IMO Resolution A.824(19), A694(17), MSC.96 MSC.36(63), MSC.97(73), MSC191(79), IEC61023(2007), IEC61162 Series, IEC60945 (2002) incl. Corr 1 (2008), IEC62288(2008)

Test Reports and Test Certificates:

TÜV Certificates:

SJ613140-002 Vibration
SX613140-004 High Temperature
SX613140-005 Damp Heat Cyclic
SX613140-006 Low Temperature
OO613140/01 EMC

IEC61023:

TÜV Test Report:

RM200591-01

Type Approval Certificates:

Germanischer Lloyd (GL)

32 969 - 12 HH (Module B)
32 970 - 12 HH (Module D)

China Classification Society (CCS)

LD11T00006_02

Russian Maritime Register of Shipping (RS) 13.01378.315

USCG Approval Number:

165.105/EC0098/3796912

Manufacturer:

The KW919-SMIDS is designed and manufactured in the UK by AMI Marine (UK) Ltd.

Signed

(Robin Grigg, Director of Engineering)

Date of Issue: 17th March 2014

AMI MARINE (UK) Ltd,
Unit 9 Crosshouse Centre,
Crosshouse Road, Southampton,
SO14 5GZ. U.K.
Telephone: +44 (0) 2380480450
Fax: +44 (0) 2380480451
E-mail technical@amimarine.net

Document Number: AMI-KW919-SMIDS-200



EQUIPO DE BOMBERO: INDUMENTARIA PROTECTORA (PROXIMIDAD INMEDIATA)

Flameguard Plus PG Products Ltd.

NO CONFORMIDAD (Norma de Ensayo utilizada incorrectamente-Riesgo por golpe de calor)

Los Equipo de Bombero: Indumentaria Protectora (Proximidad Inmediata) (elemento: A.1/3.3) fabricada por PG Products Ltd. (Reino Unido) modelo Flameguard Plus han sido evaluados por las autoridades Alemanas de Vigilancia del Mercado Sector Equipos Marinos. Dichos equipos tienen emitida por el fabricante declaración de conformidad (DoC) marca rueda Timón 0062/10, 0062/11, 0062/12, 0062/14. El Organismo Notificado 0098 - DNV GL SE. tiene evaluada la conformidad módulo B y el Organismo Notificado 0062 - Bureau Veritas conformidad módulo D.

Módulo B: Examen CE de tipo → Certificado N° 94696-10-HH

Módulo D: Conformidad con el tipo basada en el aseguramiento de la calidad del proceso de producción →

Certificado N° SMS.W.I.CE.D/21954/C.0

Certificado N° SMS.MED.D/21954/C.2

Certificado N° SMS.MED.D/21954/D.0



Las investigaciones realizadas determinan la no conformidad debido a:

- Material aluminizado/superficie reflectante, normas de ensayo no correctamente aplicada (EN 469).
- Limitación de la termorregulación. Riesgo de estrés y golpe de calor.

Las Autoridades Alemanas han constatado que los equipos citados no cumplen los requisitos establecido en la directiva de equipos marinos, considerando inefectivas las medidas voluntarias llevada a cabo por los agentes económicos involucrados. Tomando las siguientes medidas:

- Prohíbe la comercialización en el mercado.
- Los productos ya introducidos en el mercado, o instalados en buques de pabellón Alemán serán recuperados o retirados

El 01/11/2017 la justicia Alemana (Juzgado de Hamburg) dicto veredicto favorable hacia las Autoridades Alemanas.

La decisión fue notificada el 03/04/2018, pasado 4 meses no ha recibido ninguna objeción por parte de ningún estado miembro ni de la comisión europea, considerándose justificada de acuerdo a lo establecido en el *Artículo 26. Procedimiento en el caso de equipos marinos que entrañen riesgos a nivel nacional Real Decreto 701/2016.*

La alta resistencia que ofrece el traje al paso del vapor de agua, limitando la termorregulación, junto con el fin para que se prescribe, uso en situaciones de incendio y rescate a bordo de los buques conllevando esfuerzo físico, provoca riesgo por estrés y golpe de calor.

El incumplimiento no se limita al territorio nacional de Alemania, habiendo sido notificada España a través del Procedimiento de Salvaguardia de la Unión Europea.

En virtud del *Artículo 25. Procedimiento en el caso de equipos marinos que entrañen riesgos a nivel nacional Real Decreto 701/2016*, de 23 de diciembre, por el que se regulan los requisitos que deben cumplir los equipos marinos destinados a ser embarcados en los buques, la Dirección General de la Marina Mercante extiende las medidas al territorio Nacional Español:

- Prohíbe la comercialización en el mercado.
- Los productos ya introducidos en el mercado, o instalados en buques de pabellón Español serán recuperados o retirados.

Documentos Adjuntos:

SAFEGUARD REPORT-NOTIFICATION-ID-2014-90-EU-D-180329-1734



**MINISTERIO
DE FOMENTO**

Secretaría General de Transportes

*Dirección General de la
Marina Mercante*

*Subdirección General de Seguridad,
Contaminación e Inspección Marítima*

*Calle Ruiz de Alarcón,1
28071 MADRID
Tel. 91-597 90 57
Fax 91-597 92 42*

DECLARATION OF CONFORMITY

BASE LEGAL:

- Real Decreto 701/2016, de 23 de diciembre, por el que se regulan los requisitos que deben cumplir los equipos marinos destinados a ser embarcados en los buques.
- REGLAMENTO (CE) No 765/2008 DEL PARLAMENTO EUROPEO Y DEL CONSEJO de 9 de julio de 2008 por el que se establecen los requisitos de acreditación y vigilancia del mercado relativos a la comercialización de los productos.
- DECISIÓN No 768/2008/CE DEL PARLAMENTO EUROPEO Y DEL CONSEJO de 9 de julio de 2008 sobre un marco común para la comercialización de los productos.
- DIRECTIVA 2014/90/UE DEL PARLAMENTO EUROPEO Y DEL CONSEJO de 23 de julio de 2014 sobre equipos marinos.

Safeguard Report

PI 170800110069
CI GEN17082590732

General

SFG 1 Number of the notification 2014/90/U-D-180329-1734

SFG 2 Status Closed

SFG 3 Notifying member State Germany
GEN 7

SFG 4 Notifying Authority
GEN 8

[6638] Bundesamt für Seeschifffahrt und Hydrographie

Street | No. Bernhard-Nocht-Str. 78
Postal code 20359
City Hamburg
P.O. Box Postal code | P.O. Box No.

Phone +49 40 3190 7100
Fax +49 40 3190 5000
E-mail marktueberwachung@bsh.de
Website www.bsh.de

SFG 5 Notifying Contact
GEN 9

Ingolf ECKERT
Phone +49-40-31907110
E-mail ingolf.eckert@bsh.de
Fax +49-40-31905000

SFG 6 Date of Creation 29/03/2018

SFG 7 Date of Launch 03/04/2018

Product

SFG 8 Name and description of the product
PROD 12
PROD 18

Flameguard Plus
EN
picture from www.oceansafety.com

SFG 9 UN number, dangerous substance, class, classification code

SFG 10 Product category
PROD 14

9. Item mainly for personal use
9.98. Other specified personal use item
9.98.98. Other specified personal use item

SFG 11 Product Category (CEN/Cenelec or legislative classification)

SFG 12 Product Category (Prodcom classification)

SFG 13 Brand, type and serial number
PROD 9
PROD 15
PROD 16

PG Products Ltd. Fire Fighter's Outfit: Flameguard Plus

SFG 14 Notified body which certified the product

SFG 15 Name and address of the manufacturer
PROD 23

1. PG Products Ltd.
North Walsham
3 Folgate Road Lyngate Industrial Estate NR28 0AJ
United Kingdom
+44 01692-50039-0 +44 01692-402863
info@pgproducts.com

SFG 16 Name and address of the authorised representative
GEN 18

1. PG Products Ltd.
North Walsham
3 Folgate Road Lyngate Industrial Estate NR28 0AJ
United Kingdom

SFG 17 GEN 19	Name and address of the importer	
SFG 18 GEN 20	Name and address of the other person responsible for making the product available on the market	
SFG 19 PROD 20	Country of origin and the supply chain of the product	United Kingdom
SFG 20 GEN 21	Other countries in which the equipment is placed on the market	United Kingdom
SFG 21	Name of the manufacturer on the EU-Type Examination Certificate	PG Products Ltd.
SFG 22	Notified body involved on the EU-Type Examination Certificate	Germanischer Lloyd (NB 0098)
SFG 23	Name of the manufacturer on the production module	PG Products Ltd.
SFG 24	Notified body involved on the production module	Bureau Veritas (NB 0062)
SFG 25	Name of the subcontractor putting into use	
SFG 26	Name of the notified body -putting into use-	

Nature of Non-Compliance

SFG 27 GEN 50 GEN 51 GEN 52	Nature of the non-compliance and the risk involved	Other specified type of injury EN Basis for the hazard is the extremely high water vapor passage resistance of the suit. This prevents the natural warming of the body by sweating and evaporation on the skin surface. As the body exerts more heat during physical exertion - especially during fire fighting and rescue operations - the limited thermoregulation causes the risk of heat stress and a heat stroke.
SFG 28 GEN 24 GEN 25	Legislation/essential requirements the product does not meet	2014/90/U - Marine Equipment Directive EN 469 (2005) including A1(2006) and AC(2006)
SFG 29	Non-compliance due to	Failure of the product, to meet essential requirement(s), relating to the health or safety of persons or to other aspects of public interest protection In general the wrong testing standard was used to confirm compliance. For aluminized fabrics EN 469 cannot be used. So this product is not compliant with the MED (Directive 96/98/EC and Directive 2014/90/EU)

SFG 30
GEN 43
GEN 45
GEN 47
GEN 48

Evidence of the non-compliance

Test/Examination report	available
Test/examination date	28/06/2010
Test laboratory	1. BTTG Fire Technology Services Altricham, Cheshire Unit 4B Stag Industrial Estate, Atlantic Street, Broadheath WA14 5DW United Kingdom +44 0161-9298056 +44 0161-9298070
Scope of testing	1. Temperature testing 2. Flammability tests

Request for Action

Has an appeal with Art 21 of Regulation (EC) No 765/2008 been launched by any of the involved operators

Yes

PG Products Ltd.

letter sent to the manufacturer [21/03/2012] Email von MCA UK mit Bitte um Ermittlungen 21-03-2012.pdf (99 kB)

letter sent to the manufacturer [07/05/2014] Widerspruchsbescheid 07.05.2014.pdf (331.6 kB)

letter sent to the manufacturer [22/10/2012] Bescheid PG Products 22_10_2012.pdf (404.8 kB)

letter sent to the manufacturer [01/11/2017] 32 Urteil vom 01.11.17 09-11-17.pdf (1.8 MB)

letter sent to the manufacturer [09/07/2012] Anschreiben PG Products vom 09_07_2012 original.pdf (100.1 kB)

letter sent to the manufacturer [22/06/2016] 27 Urteil 9K2924-14 Klageabweisung vom 22.06.16 03-08-16.pdf (841.5 kB)

letter sent to the notified body [15/07/2015] Anschreiben GL 15.07.2015.pdf (27.6 kB)

letter sent to the notified body [15/07/2015] Anschreiben BV 15.07.2015.pdf (93.3 kB)

letter sent by the manufacturer [24/07/2012] Schreiben von PG Products - BSH1 PG Produkte 24.07.2012.pdf (3 MB)

letter sent by the manufacturer [07/09/2012] Anschreiben vom Hersteller vom 07-09-2012.pdf (59.9 kB)

letter sent by the notified body [10/04/2012] Anschreiben von GL vom 10-04-2012.pdf (136.1 kB)

letter sent by the notified body [29/08/2012] Anschreiben von GL vom 29-08-2012.pdf (92.4 kB)

letter sent by the notified body [03/12/2010] European Commission 03.12.2010.pdf (88 kB)

letter sent by the authorised representative [12/11/2012] Widerspruch vom 12-11-2012.pdf (726 kB)

Justification

SFG 33 Harmonised standard(s) or other technical specifications
GEN 25

EN 469(2005) including A1(2006) and AC(2006)

SFG 34 Identification of testing laboratory
GEN 43
GEN 45
GEN 47
GEN 48

Test/Examination report
available
Test/examination date
28/06/2010
Test laboratory
1. BTTG Fire Technology Services Altricham, Cheshire Unit 4B Stag Industrial Estate, Atlantic Street, Broadheath WA14 5DW United Kingdom +44 0161-9298056 +44 0161-9298070
Scope of testing
1. Temperature testing
2. Flammability tests

SFG 35 GEN 55	Type of measure - compulsory	1.Authority (e.g. destroying products) 1.Warning 2.Authority (e.g. destroying products) 2.Sales ban
SFG 36 GEN 58	Measures date	22/10/2012
SFG 37	Measures Reference	Directive 96/98/EC Directive 2014/90/EU EN 469
SFG 38	Measures Notification method	Decision of Oct. 22, 2012
SFG 39	Brief summary	By judgment of Nov. 01, 2017 it was legally binding that this aluminized fire suits must not be certified according to EN 469. So a proper conformity with the MED never existed.
SFG 40	Has any other economic operator been informed?	Yes Notified Body DNV GL SE (0098) Notified Body BV (0062) 01/11/2017
SFG 41	Have the relevant notified bodies been informed?	Yes Judgment of Nov. 1, 2017 01/11/2017
SFG 42	Has the notified body been asked to ascertain or certify that the sample of the product, after the corrective action, satisfies the provisions of the relevant Directive?	No

Information

SFG 43 GEN 46	Copy of test reports	
SFG 44 GEN 15 PROD 19	Copy of photographs	flameguard_plus.jpg
SFG 45 GEN 30	Copy of declaration of conformity	DoC 2010, 2011, 2012, 2013, 2014.pdf (320.1 kB)
SFG 46	Other information about the supply chain distribution	
SFG 47	Certificate of type assessment of product under Directive 2010/35/EU	
SFG 48	Copy of the decision taken by the MSA	Widerspruchsbescheid 07.05.2014.pdf (331.6 kB) 32 Urteil vom 01.11.17 09-11-17.pdf (1.8 MB) Anschreiben 22.10.2012 PG Products original.pdf (205.5 kB)
SFG 49	Others	

Notifications

Reaction Sent

2014/90/U-D-180329-1734.R-002

[6960] VIKSE Rune

In Norway, one ship chandler was identified as distributor for Flameguard Plus. However, no items has been sold after 2012. They are now offering FireBuddy Plus as substitute. No further action taken from NMA's side.

Reaction Withdrawn

2014/90/U-D-180329-1734.R-001

[6960] VIKSE Rune

In Norway, one ship chandler was identified as distributor for Flameguard Plus. However, no items has been sold after 2012. They are now offering FireBuddy Plus as substitute.



00033

EC DECLARATION OF CONFORMITY

We hereby declare that the following specified equipment complies with the Marine Equipment Directive 96/98/EC, as amended by Directive 2009/26/EC.

Equipment description: **Flameguard Plus**

Type: A.1/3.3 Firefighter's outfit: protective clothing (close proximity)

Manufactured by: P G Products Ltd

Address: 3 Folgate Road, Lyngate Industrial Estate, North Walsham, Norfolk NR28 0AJ

This equipment has been tested to verify compliance with the following Regulations and Testing Standards:

EN 469 (2005) including A1 (2006) and AC (2006)

As per: Type-Examination (Module B) certificate No. 94696 - 10 HH

Issued by: Germanische Lloyd (0098)

Surveillance certificate/report No. SMS.W.I.GE.D/21954/C.0

Issued by: Bureau Veritas

Product affixed with following mark(s) and identification: Flameguard Plus

A Technical Construction File for this equipment is retained at the following address:

P G Products Ltd
3 Folgate Road
Lyngate Industrial Estate
North Walsham
Norfolk
England NR28 0AJ

Signed:

Date: 19th July 2010

Name: D O Simpson

Position: Managing Director



CC0332

EC DECLARATION OF CONFORMITY

Whereby declare that the following specified equipment complies with the Marine Equipment Directive 96/98/EC, as amended by Directive 2009/26/EC.

Equipment description: **Flameguard Plus**

Type: A.1/3.3 Firefighter's outfit: protective clothing (close proximity)

Manufactured by: P G Products Ltd

Address: 3 Folgate Road, Lyngate Industrial Estate, North Walsham, Norfolk NR28 0AJ

This equipment has been tested to verify compliance with the following Regulations and Testing Standards:

EN469:2005 including A1:(2006)

As per: Type-Examination (Module B) certificate No. 94 696 - 10 HH

Issued by: Germanische Lloyd

Surveillance certificate/report No. SMS.W.I.CE.D/21954/C.0

Issued by: Bureau Veritas

Product affixed with following mark(s) and identification: Flameguard Plus

A Technical Construction File for this equipment is retained at the following address:

P G Products Ltd
1 Folgate Road
Lyngate Industrial Estate
North Walsham
Norfolk
England NR28 0AJ

Signed:

Date: 1st January 2011

Name: D Q Simpson

Position: Managing Director

P G Products Ltd, 1 Folgate Road, Lyngate Industrial Estate,
North Walsham, Norfolk, England NR28 0AJ
Tel +44 (0)1692 500390 Fax +44 (0)1692 402863 Email



000333

EC DECLARATION OF CONFORMITY

We hereby declare that the following specified equipment complies with the Marine Equipment Directive 96/98/EC, as amended by Directive 2010/68/EC.

Equipment description: **Flameguard Plus**

Type: A.1/3.3 Firefighter's outfit: protective clothing (close proximity)

Manufactured by: P G Products Ltd

Address: 3 Folgate Road, Lyngate Industrial Estate, North Walsham, Norfolk NR28 0AJ

This equipment has been tested to verify compliance with the following Regulations and Testing Standards:

EN 469 (2005) including A1 (2006) and AC (2006)

As per: Type-Examination (Module B) certificate No. 94696 - 10 HH

Issued by: Germanische Lloyd (0098)

Surveillance certificate/report No. SMS.MED.D/21954/C.2

Issued by: Bureau Veritas

Product affixed with following mark(s) and identification: **Flameguard Plus**

A Technical Construction File for this equipment is retained at the following address:

P G Products Ltd
3 Folgate Road
Lyngate Industrial Estate
North Walsham
Norfolk
England NR28 0AJ

Signed:

Date: 1ST January 2012

Name: D O Simpson

Position: Managing Director



000334

EC DECLARATION OF CONFORMITY

Whereby declare that the following specified equipment complies with the Marine Equipment Directive 96/98/EC, as amended by Directive 2009/26/EC.

Equipment description: **Flameguard Plus**

Type: A.1/3.3 Firefighter's outfit: protective clothing (close proximity)

Manufactured by: P G Products Ltd

Address: 3 Folgate Road, Lyngate Industrial Estate, North Walsham, Norfolk NR28 0AJ

This equipment has been tested to verify compliance with the following Regulations and Testing Standards:

EN469:2005 including A1:(2006)

As per: Type-Examination (Module B) certificate No. 94 696 - 10 HH

Issued by: Germanische Lloyd

Surveillance certificate/report No. SMS.MED.D/21954/D.0

Issued by: Bureau Veritas

Product affixed with following mark(s) and identification: Flameguard Plus

A Technical Construction File for this equipment is retained at the following address:

P G Products Ltd
1 Folgate Road
Lyngate Industrial Estate
North Walsham
Norfolk
England NR28 0AJ

Signed:

Date: 1st January 2013

Name: D O Simpson

Position: Managing Director

P G Products Ltd, 1 Folgate Road, Lyngate Industrial Estate,
North Walsham, Norfolk, England NR28 0AJ
Tel +44 (0)1692 500390 Fax +44 (0)1692 402863 Email



000335

EC DECLARATION OF CONFORMITY

Whereby declare that the following specified equipment complies with the Marine Equipment Directive 96/98/EC, as amended by Directive 2009/26/EC.

Equipment description: **Flameguard Plus**

Type: A.1/3.3 Firefighter's outfit: protective clothing (close proximity)

Manufactured by: P G Products Ltd

Address: 3 Folgate Road, Lyngate Industrial Estate, North Walsham, Norfolk NR28 0AJ

This equipment has been tested to verify compliance with the following Regulations and Testing Standards:

EN469:2005 Including A1:(2006)

As per: Type-Examination (Module B) certificate No. 94 696 - 10 HH

Issued by: Germanische Lloyd

Surveillance certificate/report No. SMS.MED.D/21954/D.0

Issued by: Bureau Veritas

Product affixed with following mark(s) and identification: Flameguard Plus

A Technical Construction File for this equipment is retained at the following address:

P G Products Ltd
1 Folgate Road
Lyngate Industrial Estate
North Walsham
Norfolk
England NR28 0AJ

Signed:

Date: 1st January 2014

Name: D O Simpson

Position: Managing Director

P G Products Ltd, 1 Folgate Road, Lyngate Industrial Estate,
North Walsham, Norfolk, England NR28 0AJ
Tel +44 (0)1692 500390 Fax +44 (0)1692 402863 Email



EQUIPO DE BOMBERO: INDUMENTARIA PROTECTORA (PROXIMIDAD INMEDIATA)
Fire-fighters Protective Clothing, XFHO-II, Dongtai City Haiou Navigation Equipment CO.,Ltd
NO CONFORMIDAD (Norma de Ensayo utilizada incorrectamente-Riesgo por golpe de calor)

Los Equipo de Bombero: Indumentaria Protectora (Proximidad Inmediata) (elemento: A.1/3.3) fabricada por Dongtai City Haiou Navigation Equipment CO.,Ltd (China) modelo XFHO-II, han sido evaluados por las autoridades Alemanas de Vigilancia del Mercado Sector Equipos Marinos. Dichos equipos tienen emitida por el fabricante declaración de conformidad (DoC) marca rueda Timón 0474/15, 0474/16, 0474/17. El Organismo Notificado 0474 - RINA Services S.p.A. tiene evaluada la conformidad módulo B y D.

Módulo B: Examen CE de tipo → Certificado N° MED027115WS/005

Módulo D: Conformidad con el tipo basada en el aseguramiento de la calidad del proceso de producción → Certificado N° MED238615WS/001

Las investigaciones realizadas determinan la no conformidad debido a:

- Material aluminizado/superficie reflectante, normas de ensayo no correctamente aplicada (EN 469).
- Limitación de la termorregulación. Riesgo de estrés y golpe de calor.

Las Autoridades Alemanas han constatado que los equipos citados no cumplen los requisitos establecido en la directiva de equipos marinos, considerando inefectivas las medidas voluntarias llevada a cabo por los agentes económicos involucrados. Tomando las siguientes medidas:

- Prohíbe la comercialización en el mercado.
- Los productos ya introducidos en el mercado, o instalados en buques de pabellón Alemán serán recuperados o retirados

Existiendo jurisprudencia dictada por la justicia Alemana el 01/11/2017 (Juzgado de Hamburg) favorable hacia las Autoridades Alemanas.

La decisión fue notificada el 13/12/2018, pasado 4 meses no ha recibido ninguna objeción por parte de ningún estado miembro ni de la comisión europea, considerándose justificada de acuerdo a lo establecido en el *Artículo 26. Procedimiento en el caso de equipos marinos que entrañen riesgos a nivel nacional Real Decreto 701/2016.*

La alta resistencia que ofrece el traje al paso del vapor de agua, limitando la termorregulación, junto con el fin para que se prescribe, uso en situaciones de incendio y rescate a bordo de los buques conllevando esfuerzo físico, provoca riesgo por estrés y golpe de calor.

El incumplimiento no se limita al territorio nacional de Alemania, habiendo sido notificada España a través del Procedimiento de Salvaguardia de la Unión Europea.

En virtud del *Artículo 25. Procedimiento en el caso de equipos marinos que entrañen riesgos a nivel nacional Real Decreto 701/2016*, de 23 de diciembre, por el que se regulan los requisitos que deben cumplir los equipos marinos destinados a ser embarcados en los buques, la Dirección General de la Marina Mercante extiende las medidas al territorio Nacional Español:

- Prohíbe la comercialización en el mercado.
- Los productos ya introducidos en el mercado, o instalados en buques de pabellón Español serán recuperados o retirados.

Documentos Adjuntos:

SAFEGUARD REPORT-NOTIFICATION-ID-2014-90-EU-D-181212-2642

DECLARATION OF CONFORMITY



**MINISTERIO
DE FOMENTO**

Secretaría General de Transportes

*Dirección General de la
Marina Mercante*

*Subdirección General de Seguridad,
Contaminación e Inspección Marítima*

*Calle Ruiz de Alarcón,1
28071 MADRID
Tel. 91-597 90 57
Fax 91-597 92 42*

BASE LEGAL:

- Real Decreto 701/2016, de 23 de diciembre, por el que se regulan los requisitos que deben cumplir los equipos marinos destinados a ser embarcados en los buques.
- REGLAMENTO (CE) No 765/2008 DEL PARLAMENTO EUROPEO Y DEL CONSEJO de 9 de julio de 2008 por el que se establecen los requisitos de acreditación y vigilancia del mercado relativos a la comercialización de los productos.
- DECISIÓN No 768/2008/CE DEL PARLAMENTO EUROPEO Y DEL CONSEJO de 9 de julio de 2008 sobre un marco común para la comercialización de los productos.
- DIRECTIVA 2014/90/UE DEL PARLAMENTO EUROPEO Y DEL CONSEJO de 23 de julio de 2014 sobre equipos marinos.

Safeguard Report

PI 181000133891
 CI GEN181017115174

General

SFG 1 Number of the notification 2014/90/U-D-181212-2642
 SFG 2 Status Closed
 SFG 3 Notifying member State Germany
 GEN 7

SFG 4 Notifying Authority
 GEN 8

[6638] Bundesamt für Seeschifffahrt und Hydrographie	
Street No.	Bernhard-Nocht-Str. 78
Postal code	20359
City	Hamburg
P.O. Box Postal code P.O. Box No.	
Phone	+49 40 3190 7100
Fax	+49 40 3190 5000
E-mail	marktueberwachung@bsh.de
Website	www.bsh.de

SFG 5 Notifying Contact
 GEN 9

Mathias SPRENGER	
Phone	+49 40 3190 7112
E-mail	Mathias.Sprenger@bsh.de
Fax	+49 40 3190 5000

SFG 6 Date of Creation 12/12/2018
 SFG 7 Date of Launch 13/12/2018

Product

SFG 8 Name and description of the product Fire-fighter's outfit: protective clothing
 PROD 12 EN
 PROD 18 Flame retardant heat resisant fire fighter´s outfit

SFG 9 UN number, dangerous substance, class, classification code

SFG 10 Product category 9. Item mainly for personal use
 PROD 14 9.98. Other specified personal use item
 9.98.98. Other specified personal use item

SFG 11 Product Category (CEN/Cenelec or legislative classification)

SFG 12 Product Category (Prodcom classification)

SFG 13 Brand, type and serial number DONGTAI CITY HAIYOU NAVIGATION EQUIPMENT CO.,
 PROD 9 LTD XFHO-II
 PROD 15
 PROD 16

SFG 14 Notified body which certified the product

SFG 15 Name and address of the manufacturer
 PROD 23 1. DONGTAI CITY HAIYOU NAVIGATION EQUIPMENT CO., LTD
 DONGTAI YANCHENG CITY; JIANGSU PROVINCE
 NO.8 ENVIROMENT & RESCUE EQUIPMENT INDUSTRIAL PARK No 8
 China
 0515 85754556
 2. Antonio Trani (FTTM SRL)
 Napoli/Neapel
 Via Domenico Cimarosa no 37 80127
 Italy

SFG 16 Name and address of the authorised representative 1. Antonio Trani (FTTM SRL)

GEN 18

Napoli/Neapel
Via Domenico Cimarosa no 37 80127
Italy

SFG 17 Name and address of the importer
GEN 19

SFG 18 Name and address of the other person responsible for making the
GEN 20 product available on the market

SFG 19 Country of origin and the supply chain of the product China
PROD 20

SFG 20 Other countries in which the equipment is placed on the market
GEN 21

SFG 21 Name of the manufacturer on the EU-Type Examination Certificate

SFG 22 Notified body involved on the EU-Type Examination Certificate

SFG 23 Name of the manufacturer on the production module

SFG 24 Notified body involved on the production module

SFG 25 Name of the subcontractor putting into use

SFG 26 Name of the notified body -putting into use-

Nature of Non-Compliance

SFG 27 Nature of the non-compliance and the risk involved
GEN 50
GEN 51
GEN 52

Other specified brain injury
EN
Basis for the hazard is the extremely high water vapor passage resistance of the suit. This prevents the natural warming of the body by sweating and evaporation on the skin surface. As the body exerts more heat during physical exertion - especially during fire fighting and rescue operations - the limited thermoregulation causes the risk of heat stress and a heat stroke.

SFG 28 Legislation/essential requirements the product does not meet
GEN 24
GEN 25

2014/90/U - Marine Equipment Directive EN 469(2005)

SFG 29 Non-compliance due to

Failure of the product, to meet essential requirement(s), relating to the health or safety of persons or to other aspects of public interest protection
EN 469 is not applicable to fir fighter suits with metallized outer surface

SFG 30 Evidence of the non-compliance
GEN 43
GEN 45
GEN 47
GEN 48

Test/Examination report
not available
Test/examination date
Test laboratory
Scope of testing

Request for Action

SFG 31 Actions towards the relevant economic operators

Has an appeal with Art 21 of Regulation (EC) No 765/2008 been launched by any of the involved operators
No

letter sent to the manufacturer [15/10/2018] 25a Anhörung Dongtai City Haiou signed 15-10-2018.pdf (267.1 kB)

letter sent to the manufacturer [06/02/2018] 07

Original Anschreiben Hersteller.pdf (94.4 kB)

letter sent to the notified body [10/09/2018] 21 Email RINA 10-09-2018.pdf (36 kB)

letter sent to the notified body on the production module [15/10/2018] 27a Anschreiben RINA signed 15.10.2018.pdf (104.1 kB)

letter sent to the authorised representative [28/11/2018] 33a Anschreiben Bevollmächtigter signed 28-11-2018.pdf (59.3 kB)

letter sent by the notified body [19/09/2018] 22 Email RINA 19-09-2018.pdf (40.8 kB)

letter sent by the authorised representative [16/10/2018] 31 Email AR 16-10-2018.pdf (32.3 kB)

SFG 32 Reactions by the relevant economic operators

Justification

SFG 33 Harmonised standard(s) or other technical specifications EN 469(2005)
GEN 25

SFG 34 Identification of testing laboratory
GEN 43
GEN 45
GEN 47
GEN 48

Test/Examination report

not available

Test/examination date

Test laboratory

Scope of testing

Measures

SFG 35 Type of measure - compulsory 1.Authority (e.g. destroying products)
GEN 55 1.Withdrawal from market
2.Authority (e.g. destroying products)
2.Sales ban

SFG 36 Measures date 28/12/2015
GEN 58

SFG 37 Measures Reference EN 469(2005)

SFG 38 Measures Notification method Hearing and Decision

SFG 39 Brief summary Fire Fighter Outfits with metallized outer surface cannot be declared conform to the MED through tests according to EN 469.

SFG 40 Has any other economic operator been informed? No
No other economic operators are known.

SFG 41 Have the relevant notified bodies been informed? Yes
E-Mail
10/09/2018

SFG 42 Has the notified body been asked to ascertain or certify that the sample of the product, after the corrective action, satisfies the provisions of the relevant Directive? No

Information

SFG 43 Copy of test reports
GEN 46

SFG 44 Copy of photographs
GEN 15
PROD 19

SFG 45 Copy of declaration of conformity 22a DOC Dontai HAIYOU.pdf (1.4 MB)
GEN 30

SFG 46 Other information about the supply chain distribution

SFG 47 Certificate of type assessment of product under Directive 2010/35/EU

SFG 48 Copy of the decision taken by the MSA 32a Bescheid Dongtai City Haiou signed 29-11-

Notifications

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园8号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85757706 Fax:0086-515-85754556 http:www.haifz.com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 15100001-15100020

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended, IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

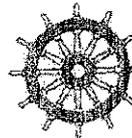
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

issued by RINA on 2015/12/28, expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

issued by RINA on 2016/03/29, expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/15

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Name: Yulin,Zhou



Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 15100021-15100022

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006).

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

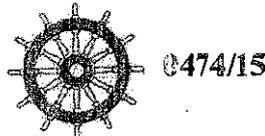
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2015.8.22



Name: Yulin,Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www.haifz.com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 15100023-15100026

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended, IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

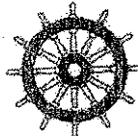
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28, expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29, expired on 2018/12/31

Product affixed with following mark(s) and identification:



0474/15

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2015.9.6

Name: Yulin,Zhou

Position: Manager



Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,
XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com .

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 15100029-15100030

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

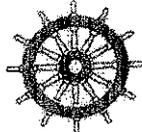
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/15

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2015.9.21

Name: Yulin,Zhou

Position: Manager



Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 15100031-15100033

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

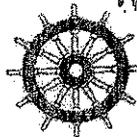
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/15

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2015.9.26

Name: Yulin, Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

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XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 15100034-15100035

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended, IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

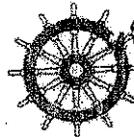
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28, expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

issued by RINA on 2016/03/29, expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/15

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2015.10.16

Name: Yulin,Zhou

Position: Manager



Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 15100036-15100039

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

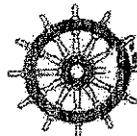
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/15

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2015.10.12

Name: Yulin, Zhou

Position: Manager



Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 15100040-15100062

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended, IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

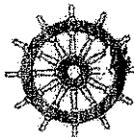
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/23, expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29, expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/15

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2015.11.1

Name: Yulin,Zhou

Position: Manager



Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 15100063

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

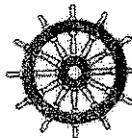
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/15

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2015.12.13

Name: Yulin, Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www.haifz.com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 15100064-15100083

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended, IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

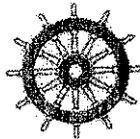
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Issued by RINA on 2015/12/28, expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29, expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/15

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2015.12.13

Name: Yulin,Zhou

Position: Manager



Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园8号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 15100084-15100087

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/0 of SOLAS 74 as amended , IMC Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

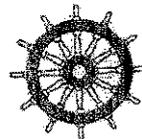
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29 , expired on 2018/12/31

Product affixed with following mark(s) and identification:



0474/16

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2016/1/16

Name: Yulin, Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www.haifz.com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 16100001-16100004

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000

HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

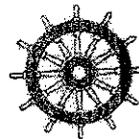
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/16

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2016.3.11

Name: Yulin, Zhou

Position: Manager



Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 16100005-16100054

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

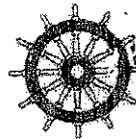
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/16

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2016/4/26

Name: Yulin, Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,
XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/BU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 16100055-16100079

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

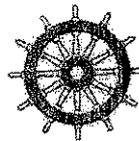
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/16

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2016.5.24

Name: Yulin, Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province



* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园8号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 16100080-16100081

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg. II-2/19 of SOLAS 74 as amended, IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

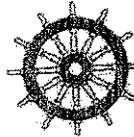
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28, expired on 2020/12/27

and Surveillance Module D Certificate No. MED238615WS/001

Issued by RINA on 2016/03/29, expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/16

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2016.5.24

Name: Yulin,Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www.haifz.com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 16100082-16100086

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

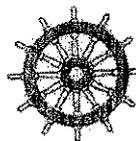
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/16

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2016.9.18

Name: Yulin,Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园8号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 16100087-16100101

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu

Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended, IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000

HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

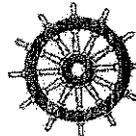
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28, expired on 2020/12/27,

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29, expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/16

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2016.9.18

Name: Yulin, Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Firefighters Protective Clothing

Type: XFHO-II

Serial number(s): 16100101-16100103

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including AI (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended, IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28, expired on 2020/12/27

and Surveillance Module D Certificate No MED238615WS/001

Issued by RINA on 2016/03/29, expired on 2018/12/21

Product affixed with following mark(s) and identification:



A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2016.11.10

Name: Yulin,Zhou

Position: Manager



Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www.haifz.com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Fire-fighters Protective Clothing

Type: XFHO-II

Serial number(s): 16100104-16100118

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

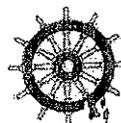
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28, expired on 2020/12/27

and Surveillance Module D Certificate No. MED238615WS/001

Issued by RINA on 2016/03/29, expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/2016

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Name: Yulin,Zhou

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

Authorized representative by MED : ANTONIO TRANI (FTTM SRL)

E-mail : info@fttm.it

TEL: + 39081-5562817

FAX: + 39081-2204933

MOBILE: +393387982869

Address: Via Domenico Cimarosa n° 37 Napoli, ITALY



* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www.haifz.com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Fire-fighters Protective Clothing

Type: XFHO-II

Serial number(s): 17100001-17100004

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town, Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended, IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

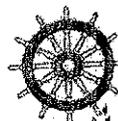
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28, expired on 2020/12/27

and Surveillance Module D Certificate No. MED238615WS/001

Issued by RINA on 2016/03/29, expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/2017

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2017/1/11

Name: Yulin, Zhou



Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

Authorized representative by MED: ANTONIO TRANI (FTTM SRL)

E-mail: info@fttm.it

TEL: + 39081-5562817

FAX: + 39081-2204933

MOBILE: +393387982869

Address: Via Domenico Cimarosa n° 37 Napoli, ITALY

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Fire-fighters Protective Clothing

Type: XFHO-II

Serial number(s): 17100005-17100029

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended, IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000

HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

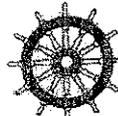
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28, expired on 2020/12/27

and Surveillance Module D Certificate No. MED238615WS/001

Issued by RINA on 2016/03/29, expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/2017

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林



Name: Yulin,Zhou

Date: 2017-2-15

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

Authorized representative by MED: ANTONIO TRANI (FTTM SRL)

E-mail: info@fttm.it

TEL: + 39081-5562817

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Address: Via Domenico Cimarosa n° 37 Napoli, ITALY

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东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,

XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Fire-fighters Protective Clothing

Type: XFHO-II

Serial number(s): 17100030-17100053

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended, IMO Res.MSC.36(93)-(1994 HSC Code) 7, IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

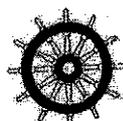
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28, expired on 2020/12/27

and Surveillance Module D Certificate No. MED238615WS/001

Issued by RINA on 2016/03/29, expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/2017

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2017.4.8

Name: Yulin,Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

Authorized representative by MED : ANTONIO TRANI (FTTM SRL)

E-mail : info@fttm.it

TEL: + 39081-5562817

FAX: + 39081-2204933

MOBILE: +393387982869

Address: Via Domenico Cimarosa n° 37 Napoli, ITALY

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,
XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Fire-fighters Protective Clothing

Type: XFHO-II

Serial number(s): 17100054-17100055

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

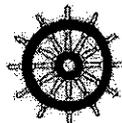
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

and Surveillance Module D Certificate No. MED238615WS/001

Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/2017

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2017.4.3

Name: Yulin,Zhou

Position: Manager

质检专用章

DONGTAI CITY HAIYOU NAVIGATION EQUIPMENT CO., LTD.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai

City, Jiangsu Province

Authorized representative by MED : ANTONIO TRANI (FTTM SRL)

E-mail : info@fttm.it

TEL: + 39081-5562817

FAX: + 39081-2204933

MOBILE: +393387982869

Address: Via Domenico Cimarosa n° 37 Napoli, ITALY

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

Add: No.8 Environmental Protection and Rescue Equipment Industrial Park,
XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2013/52/EU

Equipment description: Fire-fighters Protective Clothing

Type: XFHO-II

Serial number(s): 17100056-17100060

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

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Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/2017

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Name: Yulin, Zhou

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

Authorized representative by MED : ANTONIO TRANI (FTTM SRL)

E-mail : info@fttm.it

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东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

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XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2017/306 and 2014/90/EU.

Equipment description: Fire-fighters Protective Clothing

Type: XFHO-II

Serial number(s): 17100065-17100080

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

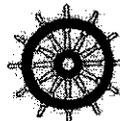
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Product affixed with following mark(s) and identification:



0474/2017

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2017.7.4

Name: Yulin,Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

Authorized representative by MED : ANTONIO TRANI (FTTM SRL)

E-mail : info@fttm.it

TEL: + 39081-5562817

FAX: + 39081-2204933

MOBILE: +393387982869

Address: Via Domenico Cimarosa n° 37 Napoli, ITALY

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

* Operational life span is 2 years .

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

地址: 江苏省东台市新街镇环保救生设备产业园 8 号

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XinJie Town Dongtai City, Jiangsu Province

Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. hai f z. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2017/306 and 2014/90/EU.

Equipment description: Fire-fighters Protective Clothing

Type: XFHO-II

Serial number(s): 17100081-17100100

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

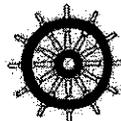
AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

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Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/2017

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2017.9.11

Name: Yulin,Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

Authorized representative by MED : ANTONIO TRANI (FTTM SRL)

E-mail : info@fttm.it

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东台市海鸥航海设备有限公司

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EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2017/306 and 2014/90/EU.

Equipment description: Fire-fighters Protective Clothing

Type: XFHO-II

Serial number(s): 17100101-17100109

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

AS per: Type-Examination Certificate(Module B) No. MED027115WS/005

Issued by RINA on 2015/12/28 , expired on 2020/12/27

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Issued by RINA on 2016/03/29 , expired on 2018/12/21

Product affixed with following mark(s) and identification:



0474/2017

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: 周雨林

Date: 2017.11.1

Name: Yulin,Zhou

Position: Manager

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

Authorized representative by MED : ANTONIO TRANI (FTTM SRL)

E-mail : info@fttm.it

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MOBILE: +393387982869

Address: Via Domenico Cimarosa n° 37 Napoli, ITALY

* Appointed by the Manufacturer as the responsible person for signing this Declaration.

* Operational life span is 2 years .

东台市海鸥航海设备有限公司

Dongtai City Haiou Navigation Equipment CO., Ltd.

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Tel:0086-515-85751706 Fax:0086-515-85754556 http:www. haifz. com

EC DECLARATION OF CONFORMITY

We hereby declare that following equipment specified complies with the Marine Equipment

Directive 96/98/EC, as modified by Directive 2017/306 and 2014/90/EU.

Equipment description: Fire-fighters Protective Clothing

Type: XFHO-II

Serial number(s): 17100110-17100111

Manufactured by: Dongtai City Haiou Navigation Equipment CO., Ltd.

Address: No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

This equipment has been tested to verify compliance with the following regulations and testing

Standards: EN 469(2005) including A1 (2006) and AC(2006),

Reg.II-2/10 of SOLAS 74 as amended , IMO Res.MSC.36(93)-(1994 HSC Code) 7 , IMO Res.MSC.97(73)-(2000 HSC Code) 7, IMO Res.MSC.98(73)-(FSS Code) 3.

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0474/2017

A Technical Construction File for this equipment is retained at the following address:

Dongtai City Haiou Navigation Equipment CO., Ltd.

Signed: **周雨林**

Date: **2017.11.7**

Name: **Yulin,Zhou**

Position: **Manager**

Address: Dongtai City Haiou Navigation Equipment CO., Ltd.

No.8 Environmental Protection and Rescue Equipment Industrial Park, XinJie Town Dongtai City, Jiangsu Province

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