

Regulatory Query Application Floatel Endurance – Fire Fighter Suits	
Applicant: Floatel International	Date: 21 February 2025
Installation: Floatel Endurance	Applicant Reference: RQ-2025-02-21-496 WH-HSE-GM-0117

NATURE OF APPLICATION	RQ CATEGORY
<input type="checkbox"/> Urgent <input checked="" type="checkbox"/> Standard Date decision requested by: 31 Mar 2025	<input checked="" type="checkbox"/> Application for use of alternative, codes, standards or methods <input type="checkbox"/> Application for exemption

1. Regulation(s):

<p>Canada – Newfoundland and Labrador Offshore Area Occupational Health and Safety Regulation</p> <p>28 (1)(c) The personal protective equipment that every employer with control over a workplace that is a marine installation or structure must provide to each of its employees, and any other individual at the workplace, who is tasked with fighting fires includes: personal protective clothing — including boots, gloves, helmet and visor, coat and trousers — that conforms to the design and performance requirements in National Fire Protection Association Standard NFPA 1971, Standard on Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting.</p> <p>28 (3) Alternative Equipment: Despite subsection (1) and paragraph (2)(a), if a workplace is a ship used for construction or diving or for geotechnical or seismic work, the employer may instead provide fire-fighter's outfits that conform to the International Maritime Organization's International Code for Fire Safety Systems.</p>
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2. Proposed Deviation:

<p>Floatel propose to use firefighter suits that conform to OHS Regulation 28 (3) International Maritime Organization's International Code for Fire Safety Systems and applicable EN Standards in place of firefighting suits that conform to NFPA 1971. This RQ applies to boots, gloves, hood, coat and trousers and will not apply to other PPE in Section 28 including SCBA's and fire team lifelines which will conform to the OHS standards.</p>
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3. Applicant's Rationale:

- Floatel Endurance is an accommodation support vessel (ASV) contracted to Cenovus during the Hook-up and Commissioning phase (HUC) of the West White Rose Project (WWRP). There will be no drilling or production occurring during this phase.
- The primary differences between firefighting suits certified to the IMO Code for Fire Safety Systems (FSS Code) and those certified to NFPA 1971 lie in their intended applications, performance requirements, and testing protocols.
 - IMO FSS Suits are designed for marine and shipboard firefighting in accordance with International Maritime Organization (IMO) regulations. Required for ships under the International Convention for the Safety of Life at Sea (SOLAS). Focuses on protecting crew members from fire hazards at sea, where evacuation is limited. Their design caters specifically to the challenges posed by marine environments and are enforced by maritime authorities such as Flag States, SOLAS, and classification societies (e.g., Lloyd’s Register, DNV, ABS).
 - NFPA firefighting suits are designed for structural and proximity firefighting in municipal, industrial, and airport settings and specifies gear for fire departments and emergency response teams handling high-intensity fires and flashover risks. Certified by organizations like NFPA, UL (Underwriters Laboratories), and NIOSH.

Feature	IMO FSS Code	NFPA 1971
Environment	Marine (ships, offshore)	Structural firefighting, industrial, airports
Thermal Protection	Moderate (short-term fire exposure)	High (flashover, prolonged heat)
Weight	Lighter, less restrictive	Heavier, may limit mobility
Moisture Barrier	Limited	Required
Certification	SOLAS, IMO	NFPA, UL

- Fire teams on the Endurance are trained in using the current IMO suits. Weekly fire drills have developed a familiarity, knowledge and competency using the IMO suits onboard.
- The connected WWR platform will have a full complement of firefighting suits that conform to NFPA 1971. Fire teams on the Endurance will remain on the Endurance and do not form part of the fire team on the WWR platform.
- Transport Canada Vessel Fire Safety Regulation accepts either the IMO FSS Suit or NFPA 1971 suit.
- IMO Firefighting suits meeting EN standards are approved for use on accommodation, drilling and production installations operating in Norway.
- In summary, the IMO firefighting suit is required for marine and shipboard compliance with SOLAS regulations. The IMO suit is fit for purpose for this marine service application during the WWRP HUC activity. The WWR platform will not be drilling or producing at this time minimizing the risk of a major structural fire. The IMO firefighting suits on the Endurance are certified to the applicable EN standards listed below and accepted by TC, SOLAS and Class societies.



PBI MAX JACKET PARALLON 600

ART. NO: 0-49671-12203-30

Durable and flame-retardant jacket for rough weather conditions. High neck, padded shoulders and solid zipper in the front with storm flaps. Replacable pocket panels, suspension for communication equipment and gloves, and several practical pockets. Fitted sleeves for ultimate movement, padding on the underarms and thumb grip at sleeve opening. Suitable for fire and rescue work.

MATERIAL PBI Max, 205 g/m2. Inner: Gore-Tex Parallon 600, 210 g/m2. **COLOR** 30 Yellow **SIZE** XXS-XXXL

STANDARD EN 469:2005 Xf2, Xr2,Y2,Z2



Stocked in - NO



PBI MAX TROUSER PARALLON 600

ART. NO: 0-29671-12203-30

Durable fire and rescue trousers that protect against heat and moisture penetration, as well as blood-borne infection and chemicals. Very soft inner material ensures comfort while also distributing moisture to speed wicking through the membrane. Bib-and-brace overalls with adjustable, detachable braces and adjustable elastication at waist for the best possible fit. Many practical pockets and form-stitched knees. Snow gaiters at the hems with elastication help keep snow and dirt from entering. Smoke-diver overalls with Parallon® keep the firefighter's lower body dry while reducing the danger of scalding and burns in extreme situations. Developed especially for fire safety work.

MATERIAL PBI Max™, 205 g/m2. Inner: Gore-Tex Parallon® 600, 210 g/m2. **COLOR** 30 Yellow **SIZE** XXS-XXXL

STANDARD EN 469:2005 Xf2, Xr2,Y2,Z2



Stocked in - NO

Technical Data

Helmet approvals	EN 443:2008 Firefighters helmets – Helmets for fire fighting in buildings and other structures (type: A 3b, C, E2, E3, -30°C) EN 16471: 2014 Firefighters helmets – Helmets for forest wildland fire fighting EN 16473: 2014 Firefighters helmets – Helmets for technical rescue MED 2014/90/EU Standard for helmets for fire fighting on board ships SOLAS II-2/10.10.. IMO RES. MSC.327(90) International maritime resolution for helmets for fire fighting on board ships PPE Regulation (EU) 2016/425 ISO 16073-5:2019 – Wildland firefighting personal protective equipment – part 5: helmets ISO 11999-5:2015 – PPE for firefighters while fighting fires occurring in structures – part 5: helmets ISO 18630-5:2018 – PPE for firefighters undertaking specific rescue activities – Part 5: Helmet
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Integrated helmet lamp HPS® FlashLight	
Material	Glass-fibre-reinforced plastic (PA-GF), high temperature resistant
Dimensions	Approx. 55 mm x 43 mm x 105 mm (W x H x L)
Weight	With batteries: approx. 125 g, without batteries: approx. 80 g
Light technology	Power LED Lighting level 1: approx. 43 Lm Lighting level 2: approx. 25 Lm Lighting level 3: flashing light alternating between 43 Lm and 0 Lm
Operation time	Lighting level 1: approx. 5 hours Lighting level 2: approx. 11 hours Lighting level 3: approx. 10 hours
Energy supply	2 AA/LR6/MN1500 alkaline batteries intelligent battery management system
Protection class	IP67
HPS® FlashLight approvals	IECEx: Ex Ib IIC T4/T3 Gb ATEX: II 2G Ex Ib IIC T4/T3 Gb





GLOVE TEX GRIP 3.0
 ART. NO: 0-6-9123-98

Tex Grip is advanced structural firefighting textile glove characterized by a special construction of 3D finger tips and pre-curved fingers for increased dexterity. Kevlar/glass materials are responsible for thermal and mechanical protection (highest cut TDM resistance F). Unique carbon fiber system ensure the best heat dissipation. „Anti-Pullout“ solution prevents liner from been extracted from the glove. Blood pathogens, water and liquid chemicals are stopped by breathable microporous membrane fixed. Upgraded Tex grip 3.0 has been equipped with closed cell knuckles that support thermal protection by creating additional insulating air pillow. That feature provides extra impact shielding. All elements are allergens free with EU origin.

MATERIAL Upper part: PU coated WR Impregnated Nomex®
 Palm part: Carbon silicone coated Kevlar®
 Inner: Carbon fibers / Kevlar®
 Thread: Nomex®
 Membrane: Porelle® **COLOR** 98 Assorted **SIZE** 6-14

STANDARD EN 659:2003+A1:2008, EN 420:2003+A1:2009, EN 407:2004, EN 388:2016+A1:2008



FIRE BOOT HARVIK 9687 L

ART. NO: 0-1778-9687-1032

Fire boot with flame retardant upper and cold insulation. Waterproof. Reinforced toes, and midsole. Excellent abrasion resistant for extra durability. Cold insulation, and heat- and oil-resistant outsole, with heel energy absorption. Resistant towards mild acids and alkalines. Steel toe cap and nail penetration protection.

MATERIAL Upper: Rubber. Lining: Textile. Outsole: Rubber. Safety Toe Cap: Steel. Penetration Protection: Steel **COLOR** 1032 Black/Fluorine Yellow **SIZE** 37-48

STANDARD EN ISO 20345:2011, SB I E P CI HRO SRA, EN 15090:2012 Type F2, EN 50321, CSA Z195, CAT II

Stocked in - NO



HOOD PBI MAX

ART. NO: 0-19572-12202-30

Hooded with zipper for PBI Max jacket. Knit front and front flap, long neck and adjustments with knit from front to neck.

MATERIAL PBI Max, 205 g/m2. Inner Layer: Gore-Tex Airlock 3L, 300 g/m2. **COLOR** 30 Yellow **SIZE** STK



Stocked in - NO



SMOKE DIVERS HOOD PBI

ART. NO: 0-19605-122-30

Knitted smoke divers hood in double PBI® quality. Elastic in front opening. Provides good protection for chest and neck.

MATERIAL Knitted PBI/Kermel/Viscose **WEIGHT** 10g/m² **COLOR** 30 Yellow **SIZE** STK

STANDARD EN 13911



Stocked in - NO

4. Commitments in support of Application (if applicable):

N/A

5. Precedents:

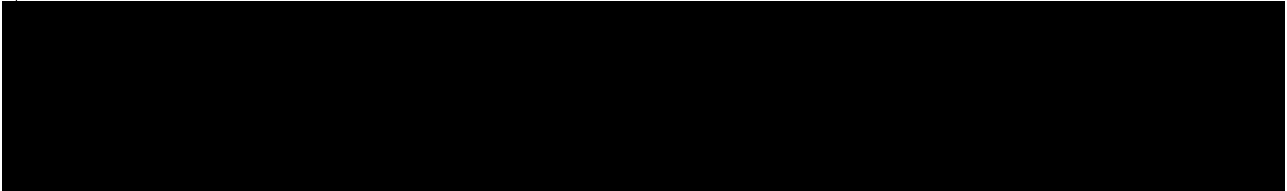
- IMO Firefighting suits are approved for use on accommodation, drilling and production installations operating offshore Norway.

6. References and Attachments:



Certifying Authority:

The undersigned concurs with the proposal



Certifying Authority Attachments (if applicable):