



Declaration of Design and Performance (DDP)

Product: SeaWind Immersion Suit, Hansen Protection		Version: 1	
DDP no. 20231024_3 SeaWind		Revision no. Issue 3	
Manufacturer: Hansen Protection AS		Adresse: Tykkemyr 27, N-1597 Moss	
Typedesign Illustrations attached		Version: -	Referanse: SeaWind
Statement of compliance The suit is made in a 3-layer breathable Aramid material and conforms to the requirements of <ul style="list-style-type: none"> • EN 469:2020 ¹ • SOLAS AES ² • EN- 15027-3, item 3.10.7.1 Helicopter evacuation ³ 		-	-
Art. Nr. 85524 SeaWind - FireFighter Suit Hansen Protection		-	
Changes: -			-
Maintenance, Overhaul and repair manuals		-	GH Service Manual ETSO Multilayer suit attachment Service Instructions
Description of article: FR suit for Fire Fighters using the undergarments and equipment stated below			
<ul style="list-style-type: none"> • Shell material is a 3-layer highly breathable Aramid twill. • Aramid/FR viscose liner, which must be worn. • Main zipper is covered by an Aramid storm flap, to protect it from the flames • Main zip in neck seal simplifies donning. • Neoprene seals are covered by outer cuffs and neck in Aramid material • Attached FR approved boots • Astra for attaching ID • Chest pocket for communication and emergency alarm • Reinforcement on knees, elbow and in seat • Thigh pockets with big flap. • FR approved reflective tapes, not SOLAS approved 			
List of deviations:			
1	The suit as a component assembly (shell and liner) will conform to the fire requirements of EN 469:2020. Seals and buoyancy foam are exempt to pass fire and heat requirements Garment assembly conformity to EN469:2020 is obtained by using the complete suit with stated standard under garments ⁴ and equipment ⁵ . There shall maximum be 5% burn injuries to the body when the garment assembly and integrated devices are exposed to 84kW/m ² for 8 sec when exposed to an instrumented manikin which is able to predict burn injury to the wearer.		
2	The suit is according to SOLAS AES buoyancy and floating requirements when its foam module is worn. The reflective material will not conform to SOLAS as the FR reflective material do not pass the SOLAS requirements. Lifting strap, whistle and buddy line, hood and gloves are not in the suit as this could have a negative impact on the FR requirements which are prioritized.		
3	The suit is tested according to EN- 15027-3, item 3.10.7.1 Helicopter evacuation with a compatible ETSO lifejacket.		
4	Pants, socks, US trousers, t-shirt		
5	T-shirt: Tencel. boxer shorts. US trousers. Sockes: Janus Pro wool. Gloves: Granqvist dexterity grip 2.0. FR balaclava: Janus Pro. Helmet, Breathing mask, Back carrier harness. All supplied by Norwegian marine. See details Annex 1.		

85524 SeaWind Firefighter Suit with Aramid lining



Low Neopren neck with zipper opening

Reflective patches of 5x12,5 cm

Radio pocket and velcro details on chest

Storm flap to cover the zipper for heat and flames

Braces inside

Thigh pockets with loop for attachment possibility.

Reinforcement on knees

FR Boots

85524 SeaWind Firefighter Suit with Aramid lining



Size indication
on sleeve and neck

Reinforcement on elbow

Velcro patch for ID

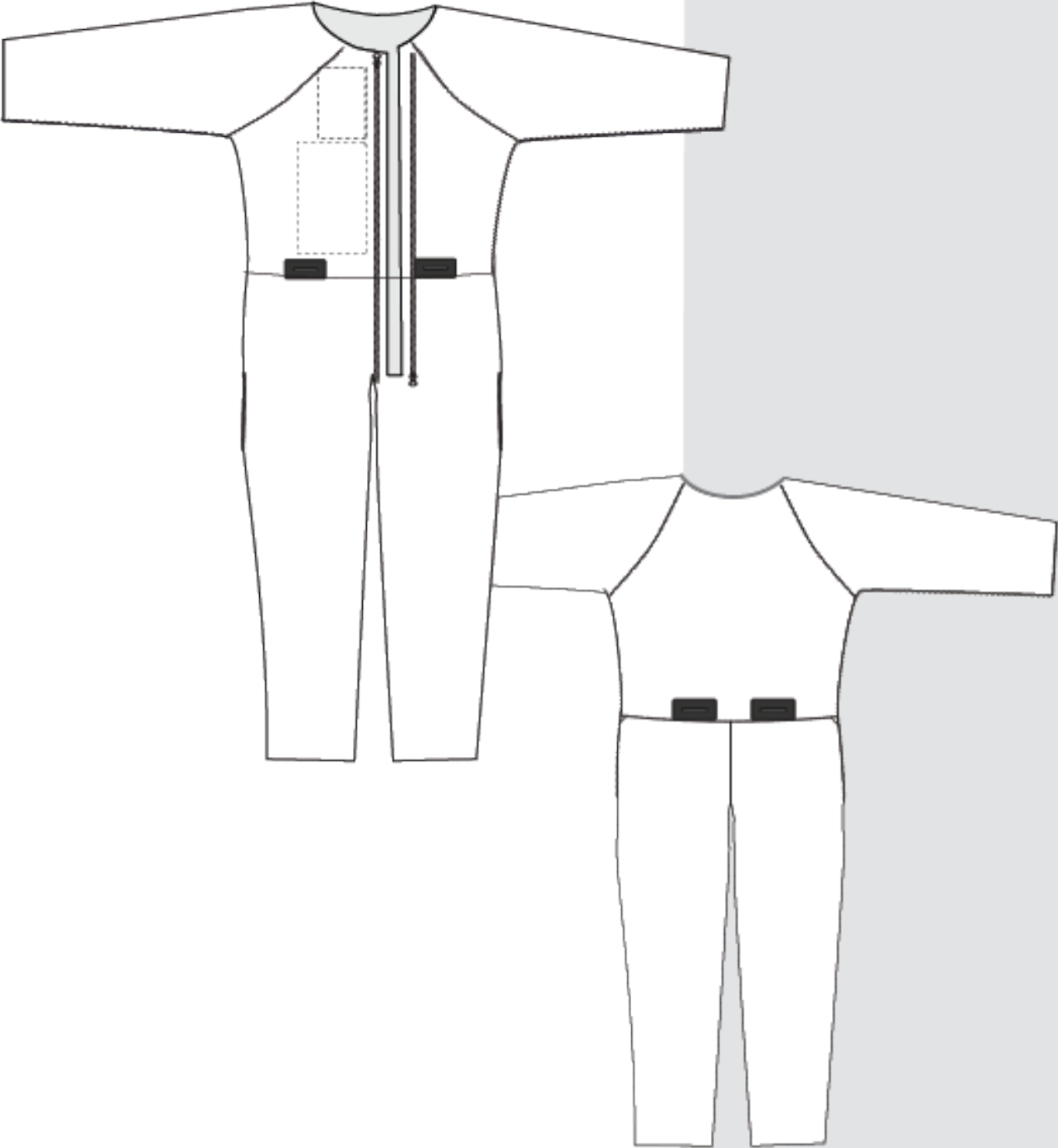
RØYKDYKKER

SJØFORSVARET

Reinforcement on seat

FR Boots

21524 Open Zip Detachable Lining for Fire Fighter Suit





T-shirt: Tencel. boxer shorts.
Socks: Janus Pro wool.



US trousers.



Balaclava: Janus Pro.
FR Gloves: Granqvist dexterity grip 2.0



Helmet, Breathing mask
Back carrier harness.