

## JOINT EMERGENCY RESPONSE UNIT (JERU)

### PERSONAL PROTECTION EQUIPMENT

#### Technical specification

	<b>Work drysuit</b>
<b>Purpose:</b>	A dry suit is personnel protection equipment for a surface water rescue operations. The dry suit is widely used by divers, firefighters, rescue services, and search and rescue teams who rescues in plane and white water.
<b>Technical specification:</b>	<p>Designed for water search and rescue operations.</p> <p>Suit is a strong and comfortable and is extremely suitable for activities in and around water.</p> <p>Suit must be characterized by a great durability, flexibility and its light weight.</p> <p>Material: waterproof, polyester (Triliminaat or equivalent). Min 230g/m<sup>2</sup>, welded seams</p> <p>Knee and seat part reinforcements (Cordura or equivalent).</p> <p>Latex neck seal (optional neoprene), latex wrist seals.</p> <p>Neoprene boots with latex surface (boots optional).</p> <p>The zipper and an zipper protection.</p> <p>Reflective tape.</p> <p>Swivelling inlet valve (optional).</p> <p>Thigh pocket.</p> <p>Recommended: Elasticised waist, internal elasticised braces.</p>
<b>Recommendation:</b>	Ursuit or equivalent
<b>Example</b>	

	<b>Undersuit</b>
<b>Purpose:</b>	Thermal protection while using drysuit.
<b>Technical specification:</b>	Designed for professionals, Compatible with a drysuit. Suitable thermal protection, Zipper (two ways), Elasticised wrist and ankles, Thumb and ankle loop, Warm neck collar.
<b>Recommendation:</b>	/
<b>Example</b>	

	<b>Water rescue gloves</b>
<b>Purpose:</b>	Hand protection against cold and injuries.
<b>Technical specification:</b>	<p>Designed for water search and rescue operations.</p> <p>Tough and reinforced gloves. Min 2 mm neoprene</p> <p>Reinforced armour palms (Kevlar or equivalent) , Adjustable cuff Volume adjustment (optional) Size options: S, M, L , XL</p>
<b>Recommendation:</b>	Palm Pro or equivalent
<b>Example</b>	

	<b>Personal Floatation Device</b>
<b>Purpose:</b>	Personal Floatation Device (PFT) reduces the risk of drowning.
<b>Technical specification:</b>	<p>Designed for water search and rescue operations. Adjustable and high visible</p> <p>CERTIFICATION - EN ISO 12402-5 / 12402-6 Floatation: min 50N at L size</p> <p>ISO approved soft floatation foam Front and rear identification attachment panels Front knife pocket with clip-in points Removable chest harness with quick release cam buckle and load spreader Welded Stainless Steel O-ring with a retainer Cowtail with carabineer Reflective detail at shoulders, front and rear panels Front and rear lash tabs Shoulder lash tabs Removable crotch straps Cord attached peapless safety whistle</p> <p>MATERIAL - Cordura® 500D or equivalent</p>
<b>Recommendation:</b>	Palm Rescue or equivalent
<b>Example</b>	

	<b>Safety Helmet</b>
<b>Purpose:</b>	Head protection.
<b>Technical specification:</b>	<p>Designed for water search and rescue operations.            CERTIFICATION - CE EN 1385 class I-IV</p> <p>Materials: High-impact polypropylene            Full cut shell            Ear protection            Inner adjustable foam cradle            Water-resistant foam liner            Open vents for ventilation and drainage            Webbing chinstrap</p> <p>Colours: Red (team leader), Yellow            One size – adjustable</p>
<b>Recommendation:</b>	/
<b>Example</b>	

	<b>Water boots</b>
<b>Purpose:</b>	Foot protection and good friction in wet conditions.
<b>Technical specification:</b>	<p>Designed for water search and rescue operations.</p> <p>Designed for amphibious conditions</p> <p>Outsole provides good friction</p> <p>Quick drying</p> <p>Upper Material: Neoprene and mesh</p> <p>Composite toe</p> <p>Closure: Buckle and Strap</p>
<b>Recommendation:</b>	5.10 Canyoneer SAR or equivalent
<b>Example</b>	

	<b>Water rescue knife</b>
<b>Purpose:</b>	Personal rescue device.
<b>Technical specification:</b>	<p>Designed for water search and rescue operations.</p> <p>Corrosion-resistant stainless steel blade.</p> <p>Serrated back edge (optional) and a line cutter.</p> <p>Straight top edge - less likely to puncture a raft or patient.</p> <p>Finger size hole (optional).</p> <p>Molded nylon (or equivalent) slips resistant grip and sheath.</p> <p>System for attaching to a PFD.</p> <p>Colour: Yellow</p>
<b>Recommendation:</b>	/
<b>Example</b>	

	<b>Throwline</b>
<b>Purpose:</b>	Water rescue device.
<b>Technical specification:</b>	<p>Designed for professional water search and rescue operations.</p> <p>The extra length rope – min 20m</p> <p>min 7.5mm core mantle rope</p> <p>Rope breaking load/Tensile strength: min 1800 daN</p> <p>Suitable for using pulley systems</p> <p>Belt - carries the throwbag and for clipping the equipment such as carabineers and pulleys</p>
<b>Recommendation:</b>	HF Compact Syntec or equivalent



	<p><b>Headlamp</b></p>
<p><b>Purpose:</b></p>	<p>Illumination.</p>
<p><b>Technical specification:</b></p>	<p>Designed for professionals          Max. light quantity : min 35 lumens          Max. lighting distance : 100 m          Max. battery life : min 65 h          Number of batteries : 3 or 4          Battery type (included) : AA or AAA          Watertightness : IP X8 (waterproof down to -5 meters)</p>
<p><b>Recommendation:</b></p>	<p>/</p>
<p><b>Example</b></p>	

	<p><b>Waterproof Backpack</b></p>
<p><b>Purpose:</b></p>	<p>Transportation of equipment</p>
<p><b>Technical specification:</b></p>	<p>1 x Waterproof Backpack Dry Tube – min 35 l,          1 x Waterproof Backpack Dry Tube – cca 1 l,          100% Waterproof backpack dry tube (Class 3),</p>

	<p>Floats safely if dropped in water,          Suitable for quick submersion,          Protects contents from dust, sand, dirt and water,          Durable, wipe clean and easy to store away,          Welded side carry handle (for 35 l) for additional portability,          Heavy duty and durable materials for rough usage.</p>
<b>Recommendation:</b>	/
<b>Example</b>	

	<b>Backpack</b>
<b>Purpose:</b>	Transportation of personal equipment
<b>Technical specification:</b>	<p>Designed for professionals          minimum 40l          Rain cover          optional – travel bag</p>
<b>Recommendation:</b>	/
<b>Example</b>	



	<b>Additional equipment</b>
<b>Purpose:</b>	Water rescue device.
<b>Technical specification:</b>	<p><b>carabineer</b>            Pear-shaped carabineer 1 kom            carabineer D -shaped 3 kom            Breaking strength: min 23 kN on major axis            screw lock system            Certification: CE EN 362, EN 12275 type B&amp;H/ UIAA</p> <p><b>Single polley</b>            Certification: CE EN 12278/UIAA            Breaking strength : min 32 kN            Material(s) : aluminium side plates, aluminium sheave            Rope diameter : 7 – 13 mm            Working load : 8 kN (4 kN on one strand)</p>
<b>Recommendation:</b>	Pulley: Petzl Rescue
<b>Example</b>	