



APPENDIX 2 – THE CONTRACTING AUTHORITY’S SPECIFICATION OF REQUIREMENTS

Lot 1 – Water Rescue			
	Item	Detailed Item Description	Quantity
1	Professional Water Rescue Drysuit (Size small to X Large)	Four-layer breathable waterproof fabric construction; waterproof rating approximately 20,000 mm; breathability approximately 5,000 g/m ² /24 hr; integrated waterproof entry zip and relief zip; latex neck, wrist and sock seals; reinforced elbows, knees and seat; reflective markings; cargo and document pockets; internal braces and waist belt. Size Large. Weight approximately 2.1 kg. Fabric: nylon with PU coating.	15
2	Thermal Undersuit (Size small to X Large)	One-piece fibre-pile thermal undersuit for use beneath drysuits. Two-way front zip, high insulated collar, thumb loops, ankle stirrups, elasticated wrists and ankles. Machine washable. Size Large. Ergonomic fit allowing unrestricted movement. With training demonstration to be provided by the supplier onsite in-person.	15
3	Universal Rescue PFD	One-size rescue buoyancy aid. Chest range 80–150 cm. User weight range 40 kg+. Approximate buoyancy 100 N. Heavy-duty nylon construction. Adjustable rescue-release chest harness, removable leg straps, multiple attachment points, reflective detailing and rescue tether parking point. Weight approximately 2.0 kg. Certified to ISO 12402-5 and ISO 12402-6. With training demonstration to be provided by the supplier onsite in-person.	15
4	Rescue Tether / Cowtail	Elasticated rescue tether suitable for use with rescue PFD harnesses. Length approximately 50 cm retracted and 75 cm extended. Minimum breaking strength 12 kN. Tubular nylon webbing construction with aluminium attachment ring and connector loop. Weight approximately 88 g.	15
5	D-Shaped Locking Connector	Aluminium D-shaped locking connector with screwgate mechanism and keylock nose. Major-axis strength 30 kN. Minor-axis strength 10 kN. Open-gate strength 10 kN. Dimensions approximately 110 mm × 62.5 mm. Gate opening approximately 19 mm. Weight approximately 70 g. CE certified.	15
6	Technical Rescue Boots (UK Size 9)	Protective rescue footwear certified to EN ISO 20345. Composite toe cap, puncture-resistant midsole, hydrocarbon and heat-resistant outsole, high-grip sole suitable for wet environments. Ripstop upper, reinforced rand and reflective details. Weight approximately 1.56 kg per pair. UK Size 9.	15
7	Water Rescue Helmet (59–62 cm)	ABS outer shell with multi-impact EPP liner. Adjustable retention system. Head size 59–62 cm. Multiple ventilation openings. Accessory compatibility for lights and communications equipment. Certified to EN 1385.	15



8	Rescue Throwline	Floating rescue rope supplied in throw bag. Rope length 20 m minimum. High-visibility rope and bag construction. Designed for swiftwater rescue. Quick deployment system.	15
9	Quick Release Rescue Belt	Adjustable waist rescue belt with quick-release buckle, tether attachment point and heavy-duty webbing construction. Designed for water rescue and towing operations. Minimum breaking strength suitable for rescue use.	15
10	Folding Rescue Knife	Corrosion-resistant folding knife with blunt safety tip, rope-cutting capability, locking blade mechanism and lanyard attachment point. Designed for rescue use in wet environments.	15
11	Technical Rescue Gloves (Large)	Heavy-duty rope and water rescue gloves. Reinforced palms and fingers, abrasion-resistant materials, high-grip wet-use capability and thermal protection. Size Large. Suitable for rope handling and rescue operations.	15
12	Rechargeable Helmet Headlamp	Professional helmet-mounted lighting system. Intrinsically safe design suitable for emergency services use. Rechargeable battery, multiple light outputs, impact-resistant housing and waterproof construction. Helmet compatible.	15
13	Helmet Lamp Mounting Plate	Helmet-mounted adhesive or clip-on lamp attachment plate. Allows secure installation of compatible headlamps without modification to helmet shell.	15
14	HMS Screwgate Connector	Pear-shaped aluminium locking connector suitable for belaying and rescue systems. Typical strength ≥ 22 kN. Screw-lock gate mechanism. Certified to relevant EN/UIAA connector standards.	45
15	Prusik-Minding Pulley	Compact pulley suitable for hauling and rescue systems. Compatible with friction-hitch progress capture systems. Sealed-bearing or low-friction sheave. Compatible with rescue ropes and connectors. Certified for rescue use.	30
16	Sewn Nylon Sling	Length 120 cm. Width 26 mm. Strength 30 kN. Weight approximately 138 g. Nylon construction. Certifications EN 566, EN 354 and EN 795 Type B or equivalent.	30
17	Waterproof Rescue Equipment Duffel Bag	Water-resistant rescue gear transport bag. Heavy-duty fabric construction, reinforced handles, shoulder carry system and large-capacity storage compartment. Approximate volume 60 L. Dimensions approximately $82 \times 32 \times 25$ cm. Weight approximately 1.6 kg.	15
18	Modular Basket Rescue Stretcher	Lightweight modular rescue stretcher suitable for water, mountain and helicopter rescue. Aluminium alloy frame with HDPE protective shell. Split design for transport. Length approximately 1,980 mm. Width approximately 600 mm. Height approximately 170 mm. Weight approximately 9 kg. Suitable for inclinations up to 45° . Medical device compliant.	1



19	Inflatable Water Rescue Sled with Storage Bag	Inflatable rescue sled suitable for flood, surf and swiftwater rescue. Multiple grab handles and towing points. Includes transport/storage bag. Heavy-duty reinforced construction suitable for casualty recovery.	1
20	Inflation Pump with Push-Fit Adapter	High-volume manual inflation pump. Compatible push-fit adapter for inflatable rescue equipment. Durable field-use construction.	1
21	Inflatable Craft Repair Kit	Emergency repair kit for inflatable rescue equipment. Includes repair patches, adhesive and repair accessories suitable for field repairs. Waterproof storage packaging.	1
22	Two-Piece Rescue Paddle	Split paddle construction for rescue craft operations. Breakdown transport design. Positive locking joint system. Suitable for inflatable rescue boats and swiftwater environments. Lightweight corrosion-resistant materials.	3



Lot 2 – Climbing & Height Rescue			
	Item	Detailed Item Description	Quantity
1	Releasable double progress-capture pulley	Releasable double progress-capture pulley for technical rescue and confined-space haul systems. Suitable for 4:1 hauling arrangements. Integrated ergonomic cam-release handle, integrated brake for controlled lowering under load, toothless cam to reduce rope wear, swivel connection point, parallel sheaves and auxiliary attachment point. Minimum requirements: rope compatibility 8–13 mm; weight approx. 800 g; maximum managed system load up to 280 kg; certification to CE EN 567, EN 12278 performance requirements and NFPA 2500 pulley/rope-grab use.	10
2	Adjustable webbing foot loop	Adjustable webbing foot loop for use with handled or compact rope ascenders. Abrasion-resistant semi-rigid underfoot strap to aid step-in, adjustable elastic foot retainer suitable for different footwear, and buckle for rapid length adjustment. Minimum requirements: nylon/steel/aluminium construction; weight approx. 65 g.	20
3	Self-braking evacuation descender	Self-braking evacuation descender for lowering from an anchor. Must include anti-panic function, automatic rope-locking function, anti-error catch, safety gate allowing rope installation while connected, auxiliary brake/friction option and stainless-steel wear plate. Minimum requirements: rope compatibility 10–11.5 mm; weight approx. 615 g; working load approx. 150 kg one-person use and 250 kg rescue/two-person use; certification should include EN 341 type 2 class A / EN 12841 type C or equivalent.	10
4	Pulley carabiner with triple-action lock	Integrated pulley and locking connector with gate opening on the non-pulley side to facilitate installation on anchors or devices. Minimum requirements: aluminium construction; rope compatibility 7–13 mm; sheave diameter approx. 18 mm; working load 4 kN; efficiency approx. 85%; major-axis strength 20 kN; minor-axis strength 8 kN; open-gate strength 7 kN; gate opening approx. 20 mm; weight approx. 110 g; certification to EN 362 and EN 12278 or equivalent.	20
5	Full-body rope access harness, size 1	Full-body harness for work at height, rope access, fall arrest, work positioning and suspension. Must include ventral, sternal, dorsal, side and rear attachment points; padded waistbelt and leg loops; automatic opening leg buckles; equipment loops and tool-holder slots. Size 1 minimum fit range: waist approx. 70–93 cm; leg loops approx. 47–62 cm; user stature approx. 165–185 cm; weight approx. 1,735 g. Certification should include EN 361, EN 813 and EN 358 or equivalent.	10



6	Adjustable work-positioning lanyard, 3 m	Adjustable rope-based work-positioning lanyard, 3 m length, suitable for single or double mode use. Must include fine adjustment device, sewn terminations, protective connector sheaths and abrasion protection. Minimum requirements: 3 m length; approx. 560 g weight; nylon/polyester/aluminium construction; certification to EN 358 and ANSI/CSA equivalent work-positioning standards.	20
7	Large-opening automatic connector, 110 mm	Auto-locking large-opening directional connector for connection to large structures, bars or cables. Must include gated connection point for attachment to compatible lanyards. Minimum requirements: gate opening approx. 110 mm; weight approx. 930 g; major-axis strength 23 kN; open-gate strength 23 kN; aluminium construction; certification to EN 362 or equivalent.	20
8	Compact rope clamp / ascender	Compact rope clamp for rope ascent and progress capture in haul systems. Must include toothed stainless-steel cam with self-cleaning slot, lower attachment hole for lanyard/foot loop and upper hole for rope guidance. Minimum requirements: rope compatibility 8–11 mm; weight approx. 85 g; aluminium frame, stainless-steel cam and nylon safety catch; certification to EN 567/UIAA or equivalent.	10
9	Compact progress-capture pulley	Lightweight high-efficiency progress-capture pulley with lockable cam for use as a simple pulley. Minimum requirements: rope compatibility 7–11 mm; sheave diameter approx. 27 mm; sealed ball bearings; efficiency approx. 91%; working load as pulley 5 kN; breaking strength as pulley 15 kN; working load as progress-capture pulley 2.5 kN; breaking strength as progress-capture pulley 4 kN; weight approx. 85 g; certification to EN 567/UIAA or equivalent.	10
10	Left-hand handled rope ascender	Ergonomic left-hand handled ascender for rope ascent. Must include over moulded grip, self-cleaning toothed cam, integrated safety catch, lower attachment hole for lanyard/foot loop and upper hole for rope guidance. Minimum requirements: rope compatibility 8–13 mm; weight approx. 165 g; aluminium/stainless steel/plastic/rubber/nylon construction; certification to EN 567/UIAA/NFPA technical use or equivalent.	10
11	Right-hand handled rope ascender	Ergonomic right-hand handled ascender with the same functional requirements as the left-hand version: rope compatibility 8–13 mm; approx. 165 g; self-cleaning toothed cam; broad lower attachment point; certification to EN 567/UIAA/NFPA technical use or equivalent.	10
12	Multidirectional semi-circular triple-lock connector	Multidirectional semi-circular connector suitable for joining harness attachment points and/or connecting a ventral ascender. Minimum requirements:	10



		aluminium construction; automatic triple-action locking gate; weight approx. 80 g; major-axis strength 20 kN; minor-axis strength 15 kN; open-gate strength 7 kN; multidirectional strength 25 kN; gate opening approx. 21 mm; certification to EN 362 and EN 12275 or equivalent. With training demonstration to be provided by the supplier onsite in-person.	
13	Compact rescue / rope-access descender	Compact self-braking descender for experienced rope-access and rescue users. Must allow rope installation while connected, auto-locking work-positioning, controlled descent, short ascent, anchor or harness use and optional repairable wear components. Minimum requirements: rope compatibility approx. 10–11.5 mm; working load approx. 150 kg with rescue loads up to 200 kg when used with additional friction; certification to EN 12841 type C / EN 341 / NFPA or equivalent. With training demonstration to be provided by the supplier onsite in-person.	20
14	Double high-efficiency Prusik-minding pulley	High-strength double pulley for rescue haul systems and Prusik progress-capture systems. Minimum requirements: rope compatibility 6–13 mm; sheave diameter approx. 51 mm; sealed ball bearings; efficiency approx. 97%; maximum working load 12 kN; breaking strength 40 kN; auxiliary attachment point breaking strength 22 kN; weight approx. 436 g; certification to EN 12278 and NFPA General Use or equivalent.	10
15	Non-locking pulley carabiner	Integrated pulley and non-locking connector with gate opening on pulley side to facilitate installation of rope once fixed to an anchor. Minimum requirements: aluminium construction; rope compatibility 7–13 mm; sheave diameter approx. 18 mm; working load 4 kN; efficiency approx. 85%; major-axis strength 20 kN; minor-axis strength 8 kN; open-gate strength 7 kN; non-locking version weight approx. 105 g; gate opening approx. 25 mm; certification to EN 12275 and EN 12278 or equivalent.	20
16	Oval triple-action locking connector	Lightweight oval aluminium connector suitable for pulleys, ascenders and mobile fall arresters. Minimum requirements: automatic triple-action locking gate; weight approx. 75 g; major-axis strength 25 kN; minor-axis strength 8 kN; open-gate strength 7 kN; gate opening approx. 22 mm; certification to EN 362 and EN 12275 or equivalent.	100
17	Rescue hauling and lowering kit, 30 m	Ready-to-use reversible rescue kit for pick-off and lowering operations. Must include 4:1 mechanical advantage haul kit, gated ring, self-braking evacuation descender, 11 mm low-stretch rope with sewn terminations, 150 cm anchor strap and transport bag. Minimum requirements: 30 m rope length; working load limit approx. 250 kg; kit weight approx. 4,460 g;	10



		materials to include aluminium, steel, nylon, polyurethane and polyester.	
18	Mechanical advantage haul system, 2 m	Pre-rigged compact haul kit for pick-offs, releasable anchors and tensioning. Minimum requirements: 4:1 mechanical advantage; 8 mm rope; sealed ball-bearing sheaves; 91% efficiency; working load 6 kN; breaking strength 16 kN; deployed length 2 m; collapsed length approx. 0.34 m; weight approx. 805 g; certification to EN 358 / NFPA technical use or equivalent.	10
19	Openable swivel	Gated swivel with sealed ball bearings for reducing rope and lanyard twisting. Must be connectable to pulleys, lanyards and compatible rigging elements. Minimum requirements: breaking strength 23 kN; weight approx. 130 g; aluminium/nylon construction; certification to CE and NFPA technical use or equivalent.	40
20	Twin-leg tie-back energy absorbing lanyard	Double elasticated fall-arrest lanyard with compact energy absorber and integrated intermediate tie-back rings for large structures. Minimum requirements: suitable user weight range 60–140 kg; maximum length including connectors 200 cm under EN 355 and 183 cm under ANSI Z359.13; energy absorber in durable pouch; certification to EN 355, ANSI Z359.13 and CSA Z259.11 or equivalent.	10
21	Clear helmet-mounted eye shield	Clear eye shield compatible with industrial climbing/rescue helmets using side clip attachment. Must provide anti-scratch and anti-fog treatment and allow use over glasses. Minimum requirements: weight approx. 80 g; polycarbonate construction; certification to CE EN 166 / ANSI Z87.1 or equivalent.	10
22	Full-face electrical arc face shield	Full-coverage face shield for electrical arc and impact protection, compatible with work-at-height helmets using side clip attachment. Minimum requirements: 180° peripheral vision, scratch-resistant and anti-fog coatings, glasses-compatible; polycarbonate construction; weight approx. 180 g; certification to EN ISO 16321-1/A1, EN IEC 62819 and ANSI Z87.1 or equivalent.	10
23	Tool pouch, 1.5 litre	Small-volume tool pouch for fasteners and small tools. Must permit one-handed opening/closure, secure cord-lock closure, harness attachment by quick connector or standard connector, and durable daily-use construction. Minimum requirements: volume 1.5 L; maximum load 6 kg; weight approx. 100 g; TPU/polypropylene/polyester/stainless steel construction; compliant with ANSI/ISEA 121-2018 dropped-object prevention.	20
24	Connector positioning bar accessory	Connector retention / positioning bar to maintain correct loading orientation of compatible connectors along their major axis and reduce connector rotation or flipping. Must be compatible with specified	40



		connector family and supplied as a non-load-bearing positioning accessory.	
25	Large pear-shaped triple-lock connector	Large-capacity asymmetrical pear-shaped aluminium connector with automatic triple-action locking gate. Minimum requirements: weight approx. 90 g; major-axis strength 27 kN; minor-axis strength 8 kN; open-gate strength 8 kN; gate opening approx. 27 mm; certification to EN 362, EN 12275 and NFPA technical use or equivalent.	40
26	Large pear-shaped screw-lock connector	Large-capacity asymmetrical pear-shaped aluminium connector with manual screw-lock sleeve and visual unlocked indicator. Minimum requirements: weight approx. 85 g; major-axis strength 27 kN; minor-axis strength 8 kN; open-gate strength 8 kN; gate opening approx. 28 mm; certification to EN 362, EN 12275 and NFPA technical use or equivalent.	20
27	Small harness tool holder	Small harness-mounted, non-PPE tool holder for one-handed selection and return of tools. Minimum requirements: stabilising clip, upper tether hole, snag-resistant gated design; maximum load 5 kg; weight approx. 35 g; warning that item is not PPE.	10
28	Large harness tool holder	Large harness-mounted, non-PPE tool holder for tools and accessories. Minimum requirements: stabilising clip, upper tether hole, snag-resistant gate; maximum load 15 kg; weight approx. 75 g; warning that item is not PPE.	10
29	Small non-PPE accessory connector with retention accessories	Small oval accessory connector for hanging gloves, pouches or small tools from a harness. Must include anti-rotation bar and gate-lock accessory. Minimum requirements: strength approx. 400 kg; gate opening approx. 13 mm; weight approx. 11 g; aluminium /plastic construction; clearly marked as non-PPE.	40
30	Technical rope handling gloves, size Large	Medium-weight rope-access / rappel gloves providing rope friction and abrasion protection while retaining dexterity. Minimum requirements for size Large: hand circumference approx. 23 cm; weight approx. 146 g; goat leather and stretch nylon construction; reinforced palm/fingers/thumb crotch; neoprene cuff and harness clip hole; certification to EN 21420 and EN 388, performance approx. 3123.	10
31	High-output rechargeable headlamp	Rechargeable professional helmet/head-mounted LED lamp. Minimum requirements: output up to 1,400 lumens; weight approx. 185 g including battery; constant lighting technology; wide, mixed and focused beam options; boost mode; rear red light; IP67 dust/water protection; IK07 impact resistance; 1 m fall resistance; 3,200 mAh lithium-ion rechargeable battery; USB-C charging; certification CE/UKCA or equivalent.	10
32	Rechargeable battery pack for	Rechargeable lithium-ion battery pack for compatible professional headlamp. Minimum requirements:	10



	professional headlamp	3,200 mAh, 3.7 V, 11.84 Wh; USB-C charging; charge time approx. 3.5 h; 300 charging cycles; weight approx. 80 g; IP67 water resistance; 1 m fall resistance; integrated rear red light with continuous and strobe modes; CE/UKCA certification.	
33	Adjustable cord foot loop	Adjustable cord foot loop for rope ascender use. Minimum requirements: HMPE/high-modulus polyethylene cord construction; aluminium adjustment plate; adjustable elastic foot retainer; suitable for use with handled or compact ascenders; weight approx. 40 g.	10
34	Rigid double-ring harness attachment accessory	Rigid double-ring attachment accessory for installation on compatible harness textile bridges, providing an additional attachment ring / improved connection arrangement. Must be supplied with compatible fastening screw and installation instructions; certification should correspond to connector/ring use where applicable.	10
35	Quick connection accessory for pouch and tool tether	Quick connection accessory for attaching a tool pouch and tool tether to a harness. Minimum requirements: upper quick clip working load 6 kg; lower connection point working load 5 kg; maximum combined lower element length 120 cm; reinforced nylon construction; weight approx. 55 g; compliant with ANSI/ISEA 121-2018.	20
36	Large tool-retention attachment, pack of 5	Tool attachment system for heavier tools when working at height. Minimum requirement: suitable for tools up to 5 kg; pack quantity 5; designed for use with compatible elasticated tool tether and compliant with ANSI/ISEA 121-2018 dropped-object prevention principles.	10
37	Medium tool-retention attachment, pack of 5	Tool attachment system for tools with an integrated connection hole. Minimum requirement: suitable for tools up to 3 kg; pack quantity 5; designed for tool tethering at height and consistent with ANSI/ISEA 121-2018 dropped-object prevention systems.	10
38	Small tool-retention attachment with adhesive tape, pack of 5	Small tool attachment system for tools without a connection hole and with a smooth, straight handle. Minimum requirement: suitable for tools up to 2.3 kg; supplied with adhesive attachment tape; pack quantity 5; intended for use with compatible tool tethering system.	10
39	Extendable tool tether	Elasticated dropped-tool prevention tether for tools up to 5 kg. Minimum requirements: total length under tension approx. 105 cm; maximum combined system length 120 cm; polyester/aluminium construction; weight approx. 56 g; compliant with ANSI/ISEA 121-2018.	20
40	Ventilated work-at-height helmet	Lightweight ventilated helmet for work at height and ground work. Minimum requirements: head circumference 53–63 cm; weight approx. 415 g; ABS	10



		shell with EPP/EPS liner; ventilation holes; adjustable chinstrap with high/low strength settings; accessory compatibility for visor, headlamp and hearing protection; certification to EN 12492, EN 397 / ANSI Z89.1 Type I Class C or equivalent.	
41	Low-stretch kernmantle rope, 11 mm x 100 m	Low-stretch kernmantle rope for work-at-height and rescue applications. Minimum requirements: 11 mm diameter; 100 m length; polyester sheath/nylon core; weight approx. 82 g/m; minimum strength 19 kN when tied with figure-eight knot and 22 kN with sewn termination; impact force factor 0.3 approx. 5.2 kN; 32-carrier construction; sheath approx. 41%; static elongation approx. 3%; certification to EN 1891 Type A, NFPA technical use and ANSI Z459.1 or equivalent.	10
42	HMPE cord sling, 6 mm x 40 cm	Sewn kernmantle round sling with HMPE core and polyester sheath. Minimum requirements: 6 mm diameter; 40 cm length; minimum breaking strength 22 kN; certified to EN 354 and EN 566 or equivalent; stiff construction suitable for threading and Prusik/friction applications.	20
43	Sewn nylon sling, 26 mm x 60 cm	Heavy-duty sewn nylon sling. Minimum requirements: 60 cm length; 26 mm width; weight approx. 72 g; strength 30 kN; certification to EN 566:2017, EN 354:2010 and EN 795:2012 Type B or equivalent.	20
44	Sewn nylon sling, 26 mm x 120 cm	Heavy-duty sewn nylon sling. Minimum requirements: 120 cm length; 26 mm width; weight approx. 138 g; strength 30 kN; certification to EN 566:2017, EN 354:2010 and EN 795:2012 Type B or equivalent.	20
45	Sewn nylon sling, 26 mm x 240 cm	Heavy-duty sewn nylon sling. Minimum requirements: 240 cm length; 26 mm width; weight approx. 276 g; strength 30 kN; certification to EN 566:2017, EN 354:2010 and EN 795:2012 Type B or equivalent.	20
46	Edge protection mats, approx. 40 cm and 91 cm	Heavy-duty layered rope edge protection mats. Minimum requirements: one mat approx. 40 cm wide x 61 cm long and one mat approx. 40 cm wide x 91 cm long, or equivalent sizes as required; multi-layer nylon/ballistic wear-indicator construction; corner attachment loops; supplied with accessory cord; designed for abrasion protection of ropes over edges.	10
47	Flexible rope protector	Flexible rope protector for fixed rope abrasion protection. Minimum requirements: flexible TPU/PVC-free body with hook-and-loop straps and clip; dimensions approx. 56 x 5 x 2.5 cm; weight approx. 130 g; TPU/nylon/aluminium construction; suitable for common professional rope diameters and anchor straps; not intended as sharp-edge protection.	20
48	Rescue equipment duffel / storage bag	Heavy-duty technical equipment storage and transport bag. Minimum requirements: capacity approx. 60 L; weight approx. 1.6 kg; dimensions approx. 82 x 32 x 25 cm; high-resistance 1680D fabric; heavy-duty zip and roll-top closure; internal main	10



		compartment, carabiner attachment points, document pocket, external attachment points, foldable pockets, carrying handles and ventilation point.	
49	Rescue equipment backpack, 54 L	Technical rescue backpack that fully opens for visibility/access to equipment. Minimum requirements: approx. 54 L capacity; dimensions approx. 76 x 32 x 25 cm where published; 1680D high-resistance fabric; modular internal mesh compartments; approx. 20 internal carabiner points; rope/harness securing straps; document pockets; external carabiner points; helmet fastening kit; padded shoulder straps/back; handles rated approx. 200 kg and heli-hoist loop rated approx. 300 kg.	10
50	Compact personal mechanical advantage system	Compact personal mechanical advantage system for rescue/work-at-height use with integrated mechanical progress capture. Minimum requirements: configurable 4:1 or 5:1 mechanical advantage; minimum overall length approx. 8 in; maximum working load approx. 300 kg / 674 lb; slip load approx. 4 kN; breaking load approx. 45 kN; compatible supplied 8 mm static rope; ball-bearing sheaves; available in 3 m, 9 m or 15 m throws; suitable for controlled release under load; certification to NFPA 2500 manufactured system requirements and EN 12278 for pulley component. With training demonstration to be provided by the supplier onsite in-person.	6
51	Multi-purpose rescue descender for 10.5–11 mm rope	Multi-purpose rope travel / descender device for hauling, lowering, ascending, belaying and twin-tension rope systems. Minimum requirements: rope compatibility 10.5–11 mm; weight approx. 836 g; dimensions approx. 208 x 112 x 47 mm; maximum load approx. 272 kg; 3-sigma MBS approx. 40 kN pulley / 22 kN becket; certification to NFPA 2500 General Use, ANSI/ASSE Z359.4, EN 12841-C, EN 341-2A and EN 15151-1 or equivalent. With training demonstration to be provided by the supplier onsite in-person.	6
52	Digital in-line load monitor	Compact wireless in-line load monitoring connector for rope rescue systems. Minimum requirements: working load limit 12 kN; minimum breaking strength 60 kN; product weight approx. 134 g; product dimensions approx. 93 x 72 x 18 mm; packaged weight approx. 437 g; packaged dimensions approx. 203 x 127 x 51 mm; IP68 rating; real-time load data to mobile device; data logging; compatible with iOS/Android app; certification to ANSI Z359.12-2019 and CE PPE Regulation 2016/425 or equivalent.	2
53	Dual-cam multi-ascender	Dual-cam rope ascender usable as a chest ascender and full point of attachment. Minimum requirements:	10



		rope compatibility 9–13 mm under EN 567 and 11–13 mm under EN 12841 Type B; maximum rated load 140 kg; dimensions approx. 76 x 121 x 37.5 mm; weight approx. 272 g; aluminium swing plate and stainless-steel cams; dual-stage locking swing plate and external release triggers.	
54	Foot ascender	Boot-mounted dual-cam foot ascender for rope ascent. Minimum requirements: rope compatibility 8–13 mm; maximum rated load 1.5 kN / approx. 330 lb; dimensions approx. 83 x 74 mm; weight approx. 175 g; aluminium housing and stainless-steel cams; usable on either foot; ribbed rope-friendly cam and anti-kick-out / rope-retention features.	10
55	Modular tripod / artificial high directional system	Portable modular anchor/high-directional system suitable for tripod, bipod, monopod/gin pole and, with additional kit, quadpod configurations. Minimum requirements: standard tripod height up to approx. 10 ft; kit weight approx. 45.36 kg / 100 lb; minimum breaking strength 36 kN; independently adjustable leg angles; head/leg bags; modular feet/adaptors; cam strap hobbles; lash rings; certification to NFPA 1983 incorporated in NFPA 2500 and EN 795:2012 Type B / CEN/TS 16415 or equivalent. With training demonstration to be provided by the supplier onsite in-person.	1
56	Modular basket rescue stretcher	Lightweight basket stretcher for technical, helicopter, water and mountain rescue. Minimum requirements: aluminium alloy frame; thermoformed HDPE shell with drainage holes; internal padding and fixing straps; suitable for inclined use up to 45°; split two-part construction for transport; helicopter-compatible length under 2 m; dimensions approx. 1,980 x 600 x 170 mm; weight approx. 9.0 kg excluding straps/suspension kit; compliant with EU Regulation 2017/745 and EASA CM-CS005 or equivalent. With training demonstration to be provided by the supplier onsite in-person.	1



Lot 3 – Communication Systems			
	Item	Detailed Item Description	Quantity
1	Floating Handheld Marine VHF Radio	Compact handheld marine VHF transceiver suitable for maritime safety, rescue and operational communications. Must be buoyant and automatically float if dropped in water, with visual flashing alarm and audible alert. Minimum requirements: transmit power 5 W with power saving mode reducing output to 2.5 W; operating time up to 14 hours in economy mode; USB-C charging; waterproof rating minimum IPX7 (submersible); weight approximately 228 g; body depth approximately 31.2 mm; loud audio output minimum 700 mW; integrated weather channels, dual/tri-watch, battery indicator and water-clearing speaker function. Supplied with rechargeable lithium-ion battery, belt clip and antenna.	6
2	Fixed Mount Marine VHF Radio with AIS and DSC	Fixed-mount Class D DSC marine VHF transceiver with integrated AIS receiver and NMEA 2000 networking capability. Suitable for rescue vessels, training craft and marine operational environments. Minimum requirements: Class D Digital Selective Calling (DSC); integrated AIS target display and AIS target DSC calling capability; NMEA 2000 network connectivity for GPS, AIS and DSC data exchange; Wi-Fi smartphone/tablet remote control capability supporting up to three devices; colour TFT display with approximately 180° viewing angle; integrated navigation/waypoint functions; waterproof front panel construction; 25 W marine VHF transmitter power; 25 W two-way hailer and 20 W receive-hailer functionality when connected to compatible horn speaker; built-in distress button; intercom functionality; panel or bracket mounting. Suitable for integration with modern marine navigation systems and rescue vessels.	1
3	Four-person waterproof intercomkits for helmets	Bluetooth waterproof 4-way intercom system with helmet mounts and attachments gives rescue crews hands free, full-duplex communication on water.	2



Lot 4 – Waterproof Clothing			
	Item	Detailed Item Description	Quantity
1	Coastal/Inshore Waterproof Sailing Jacket (Size S – XL options)	Men's waterproof and breathable coastal/inshore sailing jacket with longer-length design for marine environments. Constructed using waterproof and windproof marine-performance fabric. Minimum waterproof performance: water resistance $\geq 5,000$ mm hydrostatic head. Breathability rating approximately $5,000 \text{ g/m}^2/24 \text{ hr}$ or better. Fully seam-sealed construction. Features to include adjustable fluorescent/high-visibility hood stowable within collar, high protective fleece-lined collar, reflective panels for visibility, double-entry fleece-lined hand pockets, chest handwarmer pockets, internal zipped chest pocket, full front zip with double storm flap, adjustable cuffs, adjustable hem drawcord, external hanging loop and attachment point suitable for engine kill-cord tethering. Fabric composition approximately polyamide outer shell with polyester reinforcement panels and recycled polyester lining. Certified Bluesign® approved or equivalent sustainable textile standard. Size Small.	15
2	Coastal/Inshore Waterproof Sailing Trousers (Size S – XL options)	Men's waterproof, breathable and windproof sailing salopette/trousers suitable for coastal and inshore use. Minimum waterproof performance: water resistance $\geq 5,000$ mm hydrostatic head. Breathability rating approximately $5,000 \text{ g/m}^2/24 \text{ hr}$ or better. Fully seam-sealed construction. Features to include adjustable shoulder straps, elasticated waist, full two-way front zip, reflective detailing for low-light visibility, reinforced fabric panels on seat, knees and lower leg hems, thigh storage pocket, external hanging loop and tether/kill-cord attachment point. Fabric composition approximately polyamide outer shell with polyester reinforcement areas and recycled polyester lining. Designed for prolonged marine exposure and wet-weather protection. Certified Bluesign® approved or equivalent sustainable textile standard. Size Small.	15



Lot 5 – Offshore Safety Equipment			
	Item	Detailed Item Description	Quantity
1	Coastal Sailing Waterproof Jacket (Size S – XL options)	Professional marine jacket suitable for coastal and inshore operations. Waterproof, windproof and breathable construction using high-performance marine fabric technology. Features to include adjustable high-visibility stowable hood, high protective fleece-lined collar, articulated sleeves for unrestricted movement while wearing a PFD, fully seam-sealed construction, double storm flap over front zip, reflective/SOLAS-approved visibility elements, reinforced lower back, double-entry hand pockets, chest hand-warmer pockets, internal zip pocket, adjustable cuffs and hem, and safety lanyard/kill-cord attachment point. Suitable for prolonged exposure to wet marine conditions.	15
2	Coastal Sailing Waterproof Bib Trousers (Size S – XL options)	Waterproof, windproof and breathable marine bib trousers suitable for coastal and inshore sailing. Features to include adjustable elastic suspenders, adjustable waist and lower leg openings, articulated knees, reinforced seat, knee and lower leg panels, two-way front zip, storm flap, drainage-equipped pockets, thigh cargo pocket, safety lanyard attachment point, fully seam-sealed construction and high-visibility detailing. Designed for prolonged wet-weather coastal operations. Approximate weight 890 g.	15
3	Offshore Sailing Waterproof Jacket (Size S – XL options)	Heavy-duty offshore sailing jacket designed for severe marine conditions. Waterproof, windproof and breathable construction with reinforced abrasion-resistant fabric in high-wear areas. Features to include adjustable high-visibility hood, adjustable face shield, fleece-lined collar, reinforced sleeves and back panel, quick-dry mesh lining, fully seam-sealed construction, SOLAS reflective elements, articulated sleeves, double-entry pockets, secure zipped pockets, adjustable cuffs and hem, and storm flap protected front closure. Suitable for offshore rescue, training and safety operations. Weight approximately 1.2 kg.	15
4	Offshore Sailing Waterproof Bib Trousers (Size S – XL options)	Professional offshore sailing bib trousers with waterproof, breathable and windproof performance. Features to include high-back design, adjustable suspenders, reinforced Cordura®-type seat and knee panels, articulated knees, mesh lining, adjustable waist and lower leg openings, thigh pocket, drainage pockets, safety lanyard attachment point, fully seam-sealed construction and reflective safety detailing. Weight approximately 1.1 kg. Suitable for offshore rescue and operational marine use.	15
5	Professional Ocean Dry Suit (Size S – XL options)	Professional-grade dry suit suitable for offshore rescue, ocean sailing and cold-water survival applications. Must utilise multi-layer waterproof, breathable fabric	15



		construction. Features to include latex neck and wrist seals, integrated waterproof socks, fleece-lined interior, high-visibility hood, reflective/SOLAS-approved elements, waterproof zipper system, reinforced seat and knee panels, cargo pockets with drainage, adjustable suspenders, adjustable cuffs and hood, fully taped seams and offshore survival certification. Weight approximately 2.75 kg. Suitable for extreme offshore environments and cold-water immersion protection.	
6	Offshore Inflatable Life Jacket with Integrated Harness	Offshore racing and rescue inflatable life jacket. Minimum buoyancy 150 N. Must incorporate hydrostatic automatic inflation mechanism and manual activation function. Features to include integrated safety harness certified for tether use, emergency spray hood, automatic emergency light, crotch/leg straps, oral inflation tube, rescue lifting loop, whistle, PLB compatibility, waist adjustment and quick-access inflation system. Certified to EN ISO 12402-3 and EN ISO 12401 or equivalent. Weight approximately 1.55 kg.	15
7	Waterproof Marine Rubber Boot	Waterproof marine boot suitable for wet weather, launch operations and maritime environments. Constructed from waterproof rubber upper and outsole with cushioned EVA insole. Must provide excellent grip on wet surfaces through non-slip vulcanised rubber sole. Features to include durable rubber construction, moisture-resistant lining, reinforced midsole, pull-on design and comfort insole for prolonged wear. Suitable for marine, rescue and water sports activities.	15



Lot 6 – Working at Height Equipment			
	Item	Detailed Item Description	Quantity
1	Full Body Safety Harness for Rope Access and Fall Protection	Ergonomic full-body safety harness suitable for work positioning, rope access, fall arrest and rescue applications. Maximum rated user weight 150 kg including tools and equipment. Multiple attachment points including sternal, dorsal and ventral attachment points. Adjustable shoulder, leg and waist straps. Padded waist belt and leg loops for prolonged suspension comfort. Tool attachment loops and equipment carrying points. Certified to EN 361 (fall arrest), EN 358 (work positioning) and EN 813 (sit harness) or equivalent standards. Suitable for industrial, rescue and confined space operations.	10
2	Twin-Leg Energy Absorbing Fall Arrest Lanyard	Twin-leg fall arrest lanyard incorporating integrated energy absorber. Overall working length approximately 1.3 m. Supplied with twin large-opening automatic locking scaffold connectors and harness connector. Designed for 100% tie-off transitions when moving between anchor points. Maximum user weight minimum 140 kg including equipment. Tear-web energy absorber limiting arrest forces to compliant levels. Certified to EN 355 and EN 362 or equivalent. Suitable for working at height, rescue and industrial access applications.	10
3	Static Kernmantle Rope – 100 m	Low-stretch kernmantle rope suitable for rope access, rescue, work positioning and fall protection systems. Length 100 m. Construction comprising nylon/polyamide core with polyester sheath. Diameter typically 10.5–11 mm. Minimum breaking strength ≥ 30 kN. Low elongation characteristics suitable for ascent, descent and hauling systems. Abrasion-resistant sheath for industrial environments. Certified to EN 1891 Type A or equivalent. Supplied factory terminated or compatible for rescue rope system installation.	10
4	Retractable Fall Arrest Block	Self-retracting fall arrest device with durable polyamide or composite housing. Working line automatically extends and retracts to maintain user mobility while minimizing free-fall distance. Suitable for vertical and horizontal use where certified. Integrated braking system for immediate fall arrest. Swivel top anchor connection and locking connector. Minimum rated load capacity 140–150 kg. Certified to EN 360 and applicable PPE regulations. Suitable for industrial maintenance, utilities, confined space and work-at-height applications.	2
5	Industrial Safety Helmet with Chin Strap and Ventilation	Industrial climbing-style safety helmet with adjustable chin strap retention system. Ventilated shell construction for user comfort. Adjustable suspension system suitable for a range of head sizes. Four-point chin strap system designed to prevent helmet loss	10



		during climbing, rescue and work-at-height activities. Electrical insulation options where applicable. Compatible with hearing protection, visors, face shields and helmet-mounted lighting. Weight approximately 450–500 g. Certified to EN 397 and/or EN 12492 as appropriate for industrial and rescue applications. Adjustable using ratchet headband mechanism.	
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Lot 7 – Virtual Reality Headset, Software & Storage			
	Item	Detailed Item Description	Quantity
1	Standalone Mixed Reality / Virtual Reality Headset (128GB)	Standalone all-in-one VR/MR headset with minimum 128GB internal storage and 8GB RAM. Equipped with next-generation XR processor, colour mixed reality passthrough cameras, hand tracking and motion controllers. Minimum display resolution 1832 × 1920 pixels per eye, refresh rate up to 120Hz, adjustable IPD settings, integrated spatial audio, built-in microphones, Wi-Fi 6E and Bluetooth connectivity. Must support immersive VR, AR and mixed reality educational content. Supplied with wireless controllers, rechargeable battery providing approximately 2.5 hours operation and USB-C charging. Suitable for education, simulation and skills training environments.	20
2	Offshore Safety and Marine Operations Virtual Reality Training Package	Virtual reality training software package providing immersive offshore, maritime, marine safety and emergency response learning environments. Must support simulated vessel operations, emergency procedures, environmental hazards, offshore installation activities, rescue operations and high-risk workplace scenarios. Compatible with standalone VR headsets and capable of delivering instructor-led and self-directed training. Must include scenario management, learner performance tracking, realistic environmental conditions, weather simulation and decision-based learning exercises. Suitable for offshore safety, marine operations, emergency response and technical skills training.	1
3	12-Bay RFID VR Headset Charging and Storage Locker	Secure floor-standing charging locker providing individual storage and charging for up to 12 VR headsets and controllers. Features RFID card/fob access control, web-based management portal and audit logging capabilities. Each compartment to provide dedicated charging provision with integrated USB-C power delivery of up to 20W per port or equivalent. Suitable for headset issue/return, self-service loan management and secure storage. Must include touchscreen interface, user management functionality, reporting capability, configurable locker modes, separate electrical compartment, cable management system and support for leading VR headset platforms. Heavy-duty steel construction with lockable compartments.	1



Lot 8 – Training & Rescue Craft			
	Item	Detailed Item Description	Quantity
1	Offshore Rescue and Training Rigid Inflatable Boat (Approx. 6.8m) Fitted with extra-long shaft 150hp outboard engine, similar to (Suzuki DF150APX or equivalent) 6.8m custom trailer Delivery to Cork Ireland	Commercial-grade rigid inflatable boat (RIB/RHIB) suitable for offshore safety training, rescue operations, patrol duties and maritime instruction. Overall length approximately 6.8 m with beam approximately 2.7 m. Deep-V hull design providing high stability, seaworthiness and ride comfort in challenging sea conditions. Maximum capacity of 12 persons. Capable of accepting outboard propulsion up to 200 hp (minimum recommended power approximately 125–150 hp). Multi-chamber inflatable collar/tube system with heavy-duty Hypalon®-type or equivalent commercial-grade construction, minimum 5 independent air chambers, tube diameter approximately 530 mm. Features to include non-slip self-draining deck, anchor locker, stainless steel towing and lifting points, heavy-duty rubbing strake protection, external lifelines, under-deck cable routing, integrated fuel tank, hydraulic steering provision, navigation lighting, console with windscreen Icom M423GE VHF flush mount with aerial. and grab rails, Stainless steel frame and mounts, seating for crew and trainees, bilge pumping system and commercial-duty deck fittings. Suitable for coastal and offshore rescue, emergency response, marine training and workboat applications. NOTE: Tenderers must identify the country of manufacture and final assembly for each craft proposed, together with details of the manufacturer, supply chain, quality assurance arrangements and applicable certifications. The Contracting Authority reserves the right to seek evidence verifying the origin of manufacture, compliance with applicable Irish and EU legislation, product safety standards, ethical sourcing obligations, sanctions requirements and any other relevant regulatory requirements. Any craft or component that cannot be demonstrated to comply with these requirements may be deemed non-compliant.	1