

Final acceptance protocol

DATE: 7.07.2017
PUBLIC CONTRACT NO: 1.11-9/665-1
REFERENCE NUMBER OF THE PUBLIC PROCUREMENT: 172051

This is to certify that the object of the contract – Motorboats M1 type 7 pieces and M2 type 3 pieces are delivered to the Police and Border Guard Board of the Republic of Estonia in accordance to conditions and term stipulated in the contract.

Boat HIN numbers:

FI-ARCF0001C717

FI-ARCF0002C717

FI-ARCF0003C717

FI-ARCF0004E717

FI-ARCF0005E717

FI-ARCF0006E717

FI-ARCF0007E717

FI-ARCE0001A717

FI-ARCE0002B717

FI-ARCE0003C717

In addition to the final acceptance protocol, a technical compliance protocol for each type of boat is created and signed by the contract persons.

Minor non-compliances were marked in the technical compliance document and reasonable time for eliminating the non-compliances was given to the contractor.

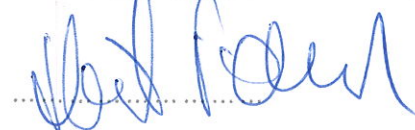
Signed on behalf of the Contracting Authority

Mr Kirill Izmailov



Signed on behalf of the Contractor

Mr Henrik Paersch



Tender object compliance to Technical specification

DATE:	7.07.2017
PUBLIC CONTRACT NO:	1.11-9/665-1
REFERENCE NUMBER OF THE PUBLIC PROCUREMENT:	172051

This is to certify that the M2 (Contracting Authority standard) type motorboats (3 pieces) built for the Police and Border Guard Board of the Republic of Estonia meet the technical specification laid down in the procurement documentation.

	M2 type (Contracting Authority standard) motorboats	Comment
1.	General	
1.1	This technical description describes the requirements and completeness of the motorboats (hereafter motorboat) that will be purchased for the Police and Border Guard Board of Estonia (hereinafter the Contracting Authority) shall meet. In total 7 M1 type and 3 M2 type motorboats (completeness as described below) will be procured.	Compliant
1.2	Motorboat must be designed and built in accordance with good shipbuilding practice and all kinds of rules and standards applicable to this kind of craft. In addition, conditions laid down in this technical description shall be followed.	Compliant
1.3	Motorboat main tasks: <ul style="list-style-type: none"> - Patrol in deep and shallow waters - Surveillance - SAR (Search and rescue) - Towing - Transportation of personnel and equipment 	Compliant
1.4	It must be possible to drive the motorboat safely in 2 centimetre thick solid ice.	Compliant according to Contractors statement. Not possible to check. No ice.
1.5	The Motorboat must have room and storage spaces for equipment stowing, victim transportation with a stretcher and giving first aid.	Compliant
1.6	It must be convenient and safe to use the motorboat.	Compliant
1.7	The motorboat must be CE certified.	Compliant
1.8		
1.9	Motorboat must be transportable by a trailer.	Compliant
1.10	All materials, equipment, mechanisms used for building the motorboat must be new.	Compliant
1.11	All of the installed equipment must be modern and may not be no longer manufactured.	Compliant
1.12	Motorboat equipment must be maintainable in the republic of Estonia.	Compliant
1.13	All equipment shall be installed in accordance with equipment manufacturer requirements.	Compliant According to Contractor confirmation. Not possible to check everything.

1.14	All of the motorboat equipment must be located in its designated places. Equipment layout must be coordinated with the Contracting Authority.	Compliant
1.15	Motorboat shall be handed over to the Contracting Authority after completion of all works. Motorboat must be fully ready for use (including full fuel tank and lubricating oil for all mechanisms). Motorboat shall be handed over to the Contracting Authority in the Republic of Estonia (presumable location is Süsta 15, Tallinn).	Compliant/non compliant. Fuel tanks are not full. Boats must be fully fuelled by the Contractor by 16.07.2017.
2.	Dimensions and characteristics	
2.1		
2.2	Length 6,5-7,5m.	Compliant
2.3		
2.4	Width 2,5-3m.	Compliant
2.5		
2.6	Draft maximum 0,5m.	Compliant
2.7		
2.8	Speed in water at least - 35 knots (driver + navigator + equipment).	Compliant
2.9		
2.10	Number of persons allowed on board at least – 8.	Compliant
2.11	Motorboat and all of the installed equipment must be operational in temperature from -10 to + 40°C.	Compliant
2.12	Motorboat category – at least C.	Compliant
2.13		
2.14	Driving distance at 25 knots speed at least 170 nm.	Compliant
3.	Hull	
3.1	The hull must be made of a variety of polyethylene that is suitable for building motorboats (for example HDPE, HMWPE).	Compliant
3.2	The hull must be strong enough to take on hits and stab forces that appear during the exploitation and must allow towing from the aft and board sides and beaching on rocky beach.	Compliant According to Contractors statement. Beaching not tested.
3.3	Hull construction must be filled with buoyancy elements to ensure floatability when the hull is damaged.	Compliant
3.4		
3.5	The hull must have 4 lifting eyes and at least 6 mooring cleats for connecting the mooring line.	Compliant
3.6	All motorboat surfaces on which a person can walk must have anti-slip protection.	Compliant

3.7	D-shape fender collar/bumper on the bow and boards.	Compliant
3.8	Tow arc/bar with towing rope reel.	Compliant
3.9	Boarding ladder for climbing out of the water.	Compliant
3.10	Gripping tubes or/and handles on the hull.	Compliant
3.11	Rescue net mounts.	Compliant
3.12	Stretcher fixing point.	Compliant
3.13	Lockable storage compartments for motorboat equipment.	Compliant
4.	Console	
4.1		
4.2	2-person console.	Compliant
4.3	All switches, indicators, communication and navigation equipment must be integrated into the console.	Compliant
4.4	Windscreen and console side screens.	Compliant
4.5	Windscreen must be installed with multi speed wipers with electric motor. The wipers working speed must be adjustable from the driver's position.	Compliant
4.6	Windscreen must be equipped with glass washers.	Compliant
4.7	Foldable (or equivalent solution) table for laptop computer at navigators position.	Compliant
4.8	Weatherproof drawer for stowing documents (at least A4) and writing instruments	Compliant
4.9	Console roof: - Rain and sun protection that protects the driver and navigator - UV proof material	Compliant
4.10		
4.11	Seating place for at least four passengers: - Weatherproof material - Soft seat	Compliant
4.12		
4.13	Drivers and navigators console seats: - Weatherproof material - Suspension seat - High backrest	Compliant
4.14	Gripping tubes on the console.	Compliant
4.15	Binocular storage compartment.	Compliant
5.	Engine	
5.1		
5.2	2 outboard engines.	Compliant

5.3	<p>Outboard engine:</p> <ul style="list-style-type: none"> - 4 stroke petrol engine - Direct injection - Electrical starting by key or button - Gears (forward, neutral, back) - Electrical trim - Trim angle indicator - Propeller - Shallow water driving mode - Propeller guard (Prop Guard or equivalent). <p>Link: http://www.propguard.net/</p>	Compliant
5.4	<p>Engine controls:</p> <ul style="list-style-type: none"> - Control unit (engine remote control, cables, wires, kill switch) - Multifunctional gauge that must be combined with the chart plotter. 	Compliant
5.5	<p>Engine alarms/readings at least:</p> <ul style="list-style-type: none"> - Oil pressure - Engine working temperature - Battery voltage - Water pressure - Engine revolutions per minute - Hour meter - Fuel meter - Fault description 	Compliant
6.	Fuel system	
6.1	Driving distance requirements must be taken into account when choosing the fuel tank capacity.	Compliant
6.2	Fuel tank must have a manual cleaning possibility.	Compliant
6.3	Fuel tank must be equipped with a fuel level sensor. Fuel level reading must be transferred to a display located on the control panel. Manual fuel measuring must also be available.	Compliant
6.4	A low fuel level notification signal must be located on the control panel.	Compliant
7.	Steering system	
7.1	Steering of the motorboat is done by a means of a steering wheel.	Compliant
7.2	Hydraulic steering system.	Compliant
8.	Electrical system	
8.1	Motorboat must have an electric system that is powerful enough to ensure the use of all electric consumers simultaneously.	Compliant

8.2	Every electrical cable, switch and breaker must be marked.	Compliant
8.3	Motorboat must be equipped with batteries that are powerful enough to allow engine starting (at least 10 times) in winter conditions and equipment work at least for two hours.	Compliant According to Contractors statement. Not possible to check. It is summer time.
8.4	Battery must be chargeable by the outboard electric generator.	Compliant
8.5	Battery charging via shore connection must be ensured.	Compliant
8.6	Two 12V plugs for connecting e-police/PC devices must be installed on the control panel.	Compliant
9.	Lighting	
9.1	Control panel switches must be lightened to be visible in the dark.	Compliant
9.2	Reading light must be installed on the control panel.	Compliant
9.3	For safe navigation, motorboat must be equipped with navigation lights.	Compliant
9.4		
9.5	At least 2 (two) forward facing driving lights (at least 3000 lumen each light).must be installed on the motorboat.	Compliant
9.6	A LED police strobe light with a siren must be installed on the motorboat.	Compliant
9.7	At least one stationary LED searchlight must be installed on the motorboat: - At least 5000 lumen - Electrically operated - Console installed remote control Suitable product: Golight Stryker or equivalent. Link: http://golight.com/stryker-led/	Compliant
9.8		
9.9	At least 5 (five) LED work lights must lighten the deck the area around the motorboat (at least 2m).	Compliant
9.10	One powerful portable searchlight, battery chargers and spare battery must be installed on the motorboat. Suitable searchlight is: Fenix RC40 (2016 year model) or equivalent. Link: http://www.fenixlight.com/ProductMore.aspx?id=2202&tid=12&cid=1#.Vqf3YGdf34g	Compliant/non compliant Missing: - Spare battery Contractor must eliminate non compliances by 31.07.2017.
9.11	Lighting switches must be located on the control panel.	Compliant

10.	Navigation equipment	
10.1	Motorboat must have an integrated navigation system.	Compliant
10.2	All of the navigation system components must be compatible with each other.	Compliant
10.3	Radar system: Broadband technology radar system. Suitable product: Simrad 4G™ or equivalent. Link to suitable product: http://www.simrad-yachting.com/en-GB/Products/Radars/Broadband-4G-Radar-engb.aspx	Compliant
10.4		
10.5	Chart plotter: - Suitable product: NSS16 evo2 Chart plotter / Multifunction Display or equivalent. - Link to suitable product: http://www.simrad-yachting.com/enGB/Products/NSS-TouchscreenNavigation/Simrad-NSS16-evo2-engb.aspx	Compliant
10.6	Down and side view 3D echo sounder sensor with water temperature sensor. Suitable product: Simrad Structure Scan 3D or equivalent. Link: http://www.simrad-yachting.com/enGB/Products/Echosounders/SimradStructureScan-3D-en-gb.aspx An echo sounder sensor that provides correct water depth reading at all motorboat speeds must also be installed.	Compliant
10.7	Coastal waters of Estonia and lake Peipsi. Suitable product: http://www.marine.ee/et/a/detailkaart-alter-1eesti-rannik-20nm-ja-siseveed or equivalent.	Compliant
10.8	Weather station (compatible with chart plotter). Suitable product: AIMAR 100WX — WeatherStation or equivalent. Link: http://www.airmartechology.com/2009/products/marine-product.asp?prodid=100&manf=All	Compliant
10.9	Chart plotter remote control NSO OP40 or equivalent. Link: http://www.simrad-yachting.com/en-GB/Products/Remote-Controllers/NSO-OP40Controller-en-gb.aspx	Compliant

10.10	Illuminated magnetic steering compass.	Compliant
11.	Communication system	
11.1		
11.2	For marine communication a „Sailor 6222 VHF DSC Class A “or equivalent type of GMDSS VHF DSC marine radio station and antenna must be installed (leverage factor at least 3dB). The installation location of the radio station must be coordinated with the Contracting Authority.	Compliant
11.3	Loudhailer with foghorn function.	Compliant
11.4	Antennas must be installed in a way that system optimal performance and best possible communication distance is achieved.	Compliant According to Contractors statement.
11.5	Contractor must install LTE MiMO antenna with no less than 3dbi gain. Contractor must install LTE router. Antenna manufacturer’s installation requirements must be followed. Router must have two independent SIM card slots. Router must have ability to use b/g/n Wi-Fi standard for Contracting Authority and AP mode. Router must support European LTE frequencies 1/3/7/8/20. Router throughput must be 100Mbps. Router must be compatible with “Incontrol2” management software as for example “Peplink MAX BR1” or equivalent.	Compliant
12.	Painting and marking	
12.1	According to the Police- and Border Guard Board instructions.	Compliant
12.2	Main colour tones: - Blue (Pantone 285C or closest to it) - White - Black	Compliant
12.3	Marking: - Police and Border Guard - Authority logo - Register number (e.g. M-05)	Compliant/non compliant Colour of EPBG logo background (blue) is of different colour. Correct stickers must be provided till 30.07.2017.
13.	Safety equipment	
13.1	Rescue buoy with fastening.	Compliant
13.2	Throwing line “MOB Rescue Line“ or equivalent. Link: http://mobline.se/en/mob-rescue-lineeng	Compliant
13.3	Boathook (telescopic type) with fastenings.	Compliant
13.4	Paddle with fastening.	Compliant
13.5	Towing line at least 25m.	Compliant

13.6	Stretcher. Suitable products are Ferno Scoop F065EXL or equivalent.	Compliant
13.7		
13.8	Powder fire extinguishers 6kg – 2pcs with corrosion resistant fastening.	Compliant/non compliant 3 fire extinguishers not installed and fixing belts are missing. Fastenings are not corrosion resistant. Non compliances must be corrected by 31.07.2017.
13.9		
13.10	Fenders 3 pcs: - Fender type according to boat weight - Fender basket according to fender size	Compliant
13.11	Radar reflector	Compliant
13.12	Electrical bile pump with automatic and manual operation from control panel.	Compliant
14.	Documents	
14.1	Together with the motorboat, the Contractor shall handover to the Contracting Authority two sets of documents (in digital format on memory stick) that include at least the following: - Motorboat and its systems drawings that are needed the craft for operation. - Used part/spare part lists - Operation and service manuals (in Estonian language) - Certificates (CE, other if available) - Pre and post operation checklists (in Estonian language) - Other, for motorboat registration needed documentation.	Compliant /non compliant Missing: - Used part/spare part lists - Certificates (CE, other if available). <u>Must be signed by boat builder!</u> - Pre and post operation checklists (in Estonian language) - 2 memory sticks with sets of documents Documents are needed for boat registration. Documents must be delivered by 14.07.2017.
15.	Factory trials	
15.1	Contractor must prepare and coordinate with Contracting Authority the trial program before commencing the trials.	Compliant
15.2	Contracting Authority must have the right to take part in the factory trials.	Compliant
15.3	Contracting Authority must be informed of the trials date and location at least 14 calendar days before carrying out the trials.	Compliant
15.4	The Contractor must record trial results.	Compliant

16.	Acceptance trials	
16.1	Contractor must prepare and coordinate with Contracting Authority the trial program before commencing the trials.	Compliant
16.2	Acceptance trials must be carried out in the Republic of Estonia. Acceptance trials estimated address is Süsta 15, Tallinn.	Compliant
16.3	Contractor is responsible for conducting of the acceptance trials.	Compliant
16.4	The Contractor shall bear all the acceptance trial costs.	Compliant
16.5	The Contractor must record trial results.	Compliant
17.	Training	
17.1	Motorboat and all equipment instructor training for at least three Contracting Authority employees in the Republic of Estonia. Training estimated address is Süsta 15, Tallinn.	Compliant
17.2	Instructor training must at least include motorboat and its systems detailed operating training.	Compliant
17.3	The Contractor shall bear all the instructors training costs.	Compliant
17.4	The Contractor must forward instructor the training plan to the Contracting Authority for complementing/approval.	Compliant
17.5	Contractor is responsible for conducting the driver training.	Compliant
18.	Warranty	
18.1	Construction work warranty at least 2 years.	Compliant
18.2	Hull warranty at least 5 years.	Compliant
18.3	Engine manufacturer warranty at least 2 year.	Compliant
18.4	All other equipment, gear, materials and systems warranty at least 1 year.	Compliant
19.	Final acceptance	
19.1	Motorboat final delivery will take place after completion of the trials and training. Before that moment, the Contractor is fully responsible for the motorboat.	Compliant
20.	Documents for signing	
20.1	Delivery-acceptance documents are: - Motorboat delivery and receipt act - technical compliance table - training acceptance act - other relevant acts	Compliant
21.	Optional equipment	


21.1	Contractor must install a stationary TETRA radio station Sepura SRG3900 (or equivalent) assembled with E2EE crypto license and antenna Procom CXL 70-3C/s (or equivalent) and a GPS antenna. The installation location of the radio station must be coordinated with the Contracting Authority.	Not applicable. Not demanded in tender.
21.2	Water and shockproof marine binoculars (7 x 50) with automatic focusing. Suitable product: Steiner Commander 7x50 or equivalent. Link: http://www.steiner-optics.com/binoculars/marine/commander-7x50	Compliant
21.3	Water and shockproof marine binoculars (14 x 40) with automatic focusing and stabilizer. Suitable product: Fujinon techno-stabi TS 14x40 binocular or equivalent. Link: http://www.fujifilmusa.com/products/binoculars/technostabi/index.html	Compliant
21.4	Chart plotter with at least 9" screen. - Suitable product: NSS9 evo2 Chart plotter / Multifunction Display or equivalent. - Link to suitable product: http://www.simrad-yachting.com/enGB/Products/NSS-Touchscreen-Navigation/NSS9-evo2-en-gb.aspx	Not applicable. Not demanded in tender.
21.5		
21.6	Trailer for transporting of the motorboat with trailer registration in Estonia. Trailer must comply and be equipped according to the valid legislations of the Republic of Estonia. Trailer must be equipped at least with following gear: - Breaks - Leaf springs - Support wheel - Winch (belt type) - Stand on proof mudguards - Waterproof wheel hubs - For launching time up lifting rear lights - Hot-dip galvanized frame - Tilting rear rollers	Compliant
21.7		
21.8	Driver and navigator seat cover - Weather proof material - Ventilation openings	Compliant

21.9	First aid case PELICAN 1550EMS and 1555EMS organizer/divider or equivalent. Link: http://www.pelican.com/us/en/product/watertight-protector-hard-cases/medium-case/emscase/1550EMS/ Link: http://img.pelican.com/img/accessories/protector/pelican-1555ems-lid-organizer-emscase.jpg	Compliant
21.10	Rescue net. Suitable product: Jason's Cradle or equivalent.	Compliant

Signed on behalf of the Contracting Authority

Signed on behalf of the Contractor

Mr Kirill Izmailov

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Mr Henrik Paersch

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Training acceptance protocol

DATE: 7.07.2017
PUBLIC CONTRACT NO: 1.11-9/665-1
REFERENCE NUMBER OF THE PUBLIC PROCUREMENT: 172051

This is to certify that the persons named below have received M1 and M2 type motorboat instructor training on 28.06.2017 in accordance to conditions and term stipulated in the contract.

Nimi	Ametikoht	Struktuuriüksus
Jalmar Ernits	kordoni juht	Mustvee kordon (Lõuna PVB Mustvee krd)
Kalmer Juuse	vanempiirivalvur	Vasknarva kordon (Ida PVB Vasknarva krd)
Kirill Izmailov	juhtivspetsialist	laevastik (TMO LT)
Vahur Pihlamägi	vanempiirivalvur	patrullitalitus (Lääne Kärkla PJ)
Robert Aasa	koolitaja, vabatahtlik merepäästja	MTÜ Tallinna Vabatahtlik Merepääste

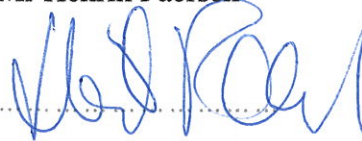
Signed on behalf of the Contracting Authority

Signed on behalf of the Contractor

Mr Kirill Izmailov



Mr Henrik Paersch



Tender object compliance to Technical specification

DATE:	7.07.2017
PUBLIC CONTRACT NO:	1.11-9/665-1
REFERENCE NUMBER OF THE PUBLIC PROCUREMENT:	172051

This is to certify that the M1 (Contracting Authority standard) type motorboats (7 pieces) built for the Police and Border Guard Board of the Republic of Estonia meet the technical specification laid down in the procurement documentation.

	M1 type (Contracting Authority standard) motorboats	
1.	General	
1.1	This technical description describes the requirements and completeness of the motorboats (hereafter motorboat) that will be purchased for the Police and Border Guard Board of Estonia (hereinafter the Contracting Authority) shall meet. In total 7 M1 type and 3 M2 type motorboats (completeness as described below) will be procured.	Compliant
1.2	Motorboat must be designed and built in accordance with good shipbuilding practice and all kinds of rules and standards applicable to this kind of craft. In addition, conditions laid down in this technical description shall be followed.	Compliant
1.3	Motorboat main tasks: <ul style="list-style-type: none"> - Patrol in deep and shallow waters - Surveillance - SAR (Search and rescue) - Towing - Transportation of personnel and equipment 	Compliant
1.4	It must be possible to drive the motorboat safely in 2 centimetre thick solid ice.	Compliant according to Contractors statement. Not possible to check. No ice.
1.5	The Motorboat must have room and storage spaces for equipment stowing, victim transportation with a stretcher and giving first aid.	Compliant
1.6	It must be convenient and safe to use the motorboat.	Compliant
1.7	The motorboat must be CE certified.	Compliant
1.8	Motorboat must be transportable by a trailer that has a total mass up to 750kg.	Compliant Contract Annex 2
1.9		
1.10	All materials, equipment, mechanisms used for building the motorboat must be new.	Compliant
1.11	All of the installed equipment must be modern and may not be no longer manufactured.	Compliant
1.12	Motorboat equipment must be maintainable in the republic of Estonia.	Compliant

1.13	All equipment shall be installed in accordance with equipment manufacturer requirements.	Compliant According to Contractor confirmation. Not possible to check everything.
1.14	All of the motorboat equipment must be located in its designated places. Equipment layout must be coordinated with the Contracting Authority.	Compliant
1.15	Motorboat shall be handed over to the Contracting Authority after completion of all works. Motorboat must be fully ready for use (including full fuel tank and lubricating oil for all mechanisms). Motorboat shall be handed over to the Contracting Authority in the Republic of Estonia (presumable location is Sūsta 15, Tallinn).	Compliant/non compliant. Fuel tanks are not full. Boats must be fully fuelled by the Contractor by 16.07.2017.
2.	Dimensions and characteristics	
2.1	Length 4,5-5,5m.	Compliant
2.2		
2.3	Width 2-2,5m.	Compliant
2.4		
2.5	Draft maximum 0,35m	Compliant
2.6		
2.7	Speed in water at least - 30 knots (driver + equipment).	Compliant
2.8		
2.9	Number of persons allowed on board at least – 5.	Compliant
2.10		
2.11	Motorboat and all of the installed equipment must be operational in temperature from -10 to + 40°C.	Compliant
2.12	Motorboat category – at least C.	Compliant
2.13	Driving distance at 20 knots speed at least 100 nm.	Compliant
2.14		
3.	Hull	
3.1	The hull must be made of a variety of polyethylene that is suitable for building motorboats (for example HDPE, HMWPE).	Compliant
3.2	The hull must be strong enough to take on hits and stab forces that appear during the exploitation and must allow towing from the aft and board sides and beaching on rocky beach.	Compliant According to Contractors statement. Beaching not tested.

3.3	Hull construction must be filled with buoyancy elements to ensure floatability when the hull is damaged.	Compliant
3.4	The hull must have 4 lifting eyes and at least 4 mooring cleats for connecting the mooring line.	Compliant
3.5		
3.6	All motorboat surfaces on which a person can walk must have anti-slip protection.	Compliant
3.7	D-shape fender collar/bumper on the bow and boards.	Compliant
3.8	Tow arc/bar with towing rope reel.	Compliant
3.9	Boarding ladder for climbing out of the water.	Compliant
3.10	Gripping tubes or/and handles on the hull.	Compliant
3.11	Rescue net mounts.	Compliant
3.12	Stretcher fixing point.	Compliant
3.13	Lockable storage compartments for motorboat equipment.	Compliant
4.	Console	
4.1	1-person console.	Compliant
4.2		
4.3	All switches, indicators, communication and navigation equipment must be integrated into the console.	Compliant
4.4	Windscreen and console side screens.	Compliant
4.5		
4.6		
4.7		
4.8	Weatherproof drawer for stowing documents (at least A4) and writing instruments	Compliant
4.9		
4.10	Seating place for at least two passengers: - Weatherproof material - Soft seat	Compliant
4.11		
4.12	Drivers console seat: - Weatherproof material - Suspension seat - High backrest	Compliant/non compliant 6 seat suspension pressure-adjusting pumps are missing.
4.13		
4.14	Gripping tubes on the console.	Compliant
4.15	Binocular storage compartment.	Compliant
5.	Engine	

5.1	1 outboard engine.	Compliant
5.2		
5.3	<p>Outboard engine:</p> <ul style="list-style-type: none"> - 4 stroke petrol engine - Direct injection - Electrical starting by key or button - Gears (forward, neutral, back) - Electrical trim - Trim angle indicator - Propeller - Shallow water driving mode - Propeller guard (Prop Guard or equivalent). Link: http://www.propguard.net/ 	Compliant
5.4	<p>Engine controls:</p> <ul style="list-style-type: none"> - Control unit (engine remote control, cables, wires, kill switch) - Multifunctional gauge that must be combined with the chart plotter. 	Compliant
5.5	<p>Engine alarms/readings at least:</p> <ul style="list-style-type: none"> - Oil pressure - Engine working temperature - Battery voltage - Water pressure - Engine revolutions per minute - Hour meter - Fuel meter - Fault description 	Compliant
6.	Fuel system	
6.1	Driving distance requirements must be taken into account when choosing the fuel tank capacity.	Compliant
6.2	Fuel tank must have a manual cleaning possibility.	Compliant
6.3	Fuel tank must be equipped with a fuel level sensor. Fuel level reading must be transferred to a display located on the control panel. Manual fuel measuring must also be available.	Compliant
6.4	A low fuel level notification signal must be located on the control panel.	Compliant
7.	Steering system	
7.1	Steering of the motorboat is done by a means of a steering wheel.	Compliant
7.2	Hydraulic steering system.	Compliant
8.	Electrical system	
8.1	Motorboat must have an electric system that is powerful enough to ensure the use of all electric consumers simultaneously.	Compliant

8.2	Every electrical cable, switch and breaker must be marked.	Compliant
8.3	Motorboat must be equipped with batteries that are powerful enough to allow engine starting (at least 10 times) in winter conditions and equipment work at least for two hours.	Compliant According to Contractors statement. Not possible to check. It is summer time.
8.4	Battery must be chargeable by the outboard electric generator.	Compliant
8.5		
8.6	Two 12V plugs for connecting e-police/PC devices must be installed on the control panel.	Compliant
9.	Lighting	
9.1	Control panel switches must be lightened to be visible in the dark.	Compliant
9.2	Reading light must be installed on the control panel.	Compliant
9.3	For safe navigation, motorboat must be equipped with navigation lights.	Compliant
9.4	At least 1 (one) driving lights (at least 3000 lumen) must be installed on the motorboat.	Compliant
9.5		
9.6	A LED police strobe light with a siren must be installed on the motorboat.	Compliant
9.7		
9.8	At least 3 (three) LED work lights must lighten the deck the area around the motorboat (at least 2m).	Compliant
9.9		
9.10	One powerful portable searchlight, battery chargers and spare battery must be installed on the motorboat. Suitable searchlight is: Fenix RC40 (2016 year model) or equivalent. Link: http://www.fenixlight.com/ProductMore.aspx?id=2202&tid=12&cid=1#.Vqf3YGdf34g	Compliant/non compliant Missing: - Spare battery 2 searchlights are not working. Motorboats were left outside for two days with lights on them. Lights have water intrusion signs. According to light manual, it must have rain protection. According to our opinion, it is a warranty case. To avoid further light/water problems weatherproof light covers (7 pieces) or equivalent solution must be provided. Contractor must eliminate non compliances by 31.07.2017.
9.11	Lighting switches must be located on the control panel.	Compliant
10.	Navigation equipment	
10.1		

10.2	All of the navigation system components must be compatible with each other.	Compliant
10.3		
10.4	Chart plotter: - Suitable product: NSS7 evo2 Combo Multifunction Display or equivalent. - Link: http://www.simrad-yachting.com/en-GB/Products/NSS-Touchscreen-Navigation/simrad-nss7-evo2-en-gb.aspx	Compliant
10.5		
10.6	Down and side view 3D echo sounder sensor with water temperature sensor. Suitable product: Simrad Structure Scan 3D or equivalent. Link: http://www.simrad-yachting.com/enGB/Products/Echosounders/SimradStructureScan-3D-en-gb.aspx An echo sounder sensor that provides correct water depth reading at all motorboat speeds must also be installed.	Compliant
10.7	Coastal waters of Estonia and lake Peipsi. Suitable product: http://www.marine.ee/et/a/detailkaart-alter-leesti-rannik-20nm-ja-siseveed or equivalent.	Compliant
10.8	Weather station (compatible with chart plotter). Suitable product: AIMAR 100WX — Weather Station or equivalent. Link: http://www.airmartechology.com/2009/products/marine-product.asp?prodid=100&manf=All	Compliant
10.9		
10.10	Illuminated magnetic steering compass.	Compliant
11.	Communication system	
11.1	Stationary marine radio station. The installation location of the VHF radio station must be coordinated with the Contracting Authority.	Compliant
11.2		
11.3	Loudhailer with foghorn function.	Compliant
11.4	Antennas must be installed in a way that system optimal performance and best possible communication distance is achieved.	Compliant According to Contractors statement.
11.5		
12.	Painting and marking	
12.1	According to the Police- and Border Guard Board instructions.	Compliant

12.2	Main colour tones: - Blue (Pantone 285C or closest to it) - White - Black	Compliant
12.3	Marking: - Police and Border Guard - Authority logo - Register number (e.g. M-05)	Compliant
13.	Safety equipment	
13.1	Rescue buoy with fastening.	Compliant
13.2	Throwing line "MOB Rescue Line" or equivalent. Link: http://mobline.se/en/mob-rescue-lineeng	Compliant
13.3	Boathook (telescopic type) with fastenings.	Compliant
13.4	Paddle with fastening.	Compliant
13.5	Towing line at least 25m.	Compliant
13.6	Stretcher. Suitable products are Ferno Scoop F065EXL or equivalent.	Compliant
13.7	Powder fire extinguishers 6kg – 1pcs with fastening.	Compliant
13.8		
13.9	Fenders 2pcs. - Fender type according to boat weight - Fender basket according to fender size	Compliant/non compliant Missing: M-74, 1 piece M-76, 2 pieces
13.10		
13.11	Radar reflector	Compliant/non compliant Missing: M-73 M-74 M-76
13.12	Electrical bile pump with automatic and manual operation from control panel.	Compliant
14.	Documents	
14.1	Together with the motorboat, the Contractor shall handover to the Contracting Authority two sets of documents (in digital format on memory stick) that include at least the following: - Motorboat and its systems drawings that are needed the craft for operation. - Used part/spare part lists - Operation and service manuals (in Estonian language) - Certificates (CE, other if available) - Pre and post operation checklists (in Estonian language) - Other, for motorboat registration needed documentation.	Compliant /non compliant Missing: - Motorboat and its systems drawings that are needed the craft for operation. - Used part/spare part lists - Operation and service manuals (in Estonian language) - Certificates (CE, other if available) - Pre and post operation checklists (in Estonian language) - Other, for motorboat registration needed documentation.

		- 2 memory sticks with sets of documents Documents are needed for boat registration. Documents must be delivered by 14.07.2017.
15.	Factory trials	
15.1	Contractor must prepare and coordinate with Contracting Authority the trial program before commencing the trials.	Compliant
15.2	Contracting Authority must have the right to take part in the factory trials.	Compliant
15.3	Contracting Authority must be informed of the trials date and location at least 14 calendar days before carrying out the trials.	Compliant
15.4	The Contractor must record trial results.	Compliant
16.	Acceptance trials	
16.1	Contractor must prepare and coordinate with Contracting Authority the trial program before commencing the trials.	Compliant
16.2	Acceptance trials must be carried out in the Republic of Estonia. Acceptance trials estimated address is Süsta 15, Tallinn.	Compliant
16.3	Contractor is responsible for conducting of the acceptance trials.	Compliant
16.4	The Contractor shall bear all the acceptance trial costs.	Compliant
16.5	The Contractor must record trial results.	Compliant
17.	Training	
17.1	Motorboat and all equipment instructor training for at least three Contracting Authority employees in the Republic of Estonia. Training estimated address is Süsta 15, Tallinn.	Compliant
17.2	Instructor training must at least include motorboat and its systems detailed operating training.	Compliant
17.3	The Contractor shall bear all the instructors training costs.	Compliant
17.4	The Contractor must forward instructor the training plan to the Contracting Authority for complementing/approval.	Compliant
17.5	Contractor is responsible for conducting the driver training.	Compliant
18.	Warranty	
18.1	Construction work warranty at least 2 years.	Compliant
18.2	Hull warranty at least 5 years.	Compliant
18.3	Engine manufacturer warranty at least 2 year.	Compliant


18.4	All other equipment, gear, materials and systems warranty at least 1 year.	Compliant
19.	Final acceptance	
19.1	Motorboat final delivery will take place after completion of the trials and training. Before that moment, the Contractor is fully responsible for the motorboat.	Compliant
20.	Documents for signing	
20.1	Delivery-acceptance documents are: - Motorboat delivery and receipt act - technical compliance table - training acceptance act - other relevant acts	Compliant
21.	Optional equipment	
21.1	Contractor must install a stationary TETRA radio station Sepura SRG3900 (or equivalent) assembled with E2EE crypto license and antenna Procom CXL 70-3C/s (or equivalent) and a GPS antenna. The installation location of the radio station must be coordinated with the Contracting Authority.	Not applicable. Not demanded in tender.
21.2	Water and shockproof marine binoculars (7 x 50) with automatic focusing. Suitable product: Steiner Commander 7x50 or equivalent. Link: http://www.steiner-optics.com/binoculars/marine/commander-7x50	Compliant
21.3	Water and shockproof marine binoculars (14 x 40) with automatic focusing and stabilizer. Suitable product: Fujinon techno-stabi TS 14x40 binocular or equivalent. Link: http://www.fujifilmusa.com/products/binoculars/technostabi/index.html	Compliant
21.4		
21.5	Trailer for transporting of the motorboat with trailer registration in Estonia. Trailer must comply and be equipped according to the valid legislations of the Republic of Estonia. Trailer must be equipped at least with following gear: - Total mass 750kg - Leaf springs - Support wheel - Winch (belt type) - Stand on proof mudguards - Waterproof wheel hubs - For launching time up lifting rear lights - Hot-dip galvanized frame - Tilting rear rollers	Compliant Annex 2
21.6		
21.7	Console and seat cover:	Compliant

	<ul style="list-style-type: none"> - Weather proof material - Ventilation openings 	Console cover must be equipped with fastening straps for preventing cover getting loose during hard wind conditions.
21.8		
21.9	<p>First aid case PELICAN 1550EMS and 1555EMS organizer/divider or equivalent. Link: http://www.pelican.com/us/en/product/watertight-protector-hard-cases/medium-case/emscase/1550EMS/ Link: - http://img.pelican.com/img/accessories/protector/pelican-1555ems-lid-organizer-emscase.jpg</p>	Compliant
21.10	<p>Rescue net. Suitable product: Jason's Cradle or equivalent.</p>	Compliant

Signed on behalf of the Contracting Authority

Signed on behalf of the Contractor

Mr Kirill Izmailov

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Mr Henrik Paersch

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