



Border Force

**AUTHORITY: The Secretary of State for the Home
Department
acting through Border Force**

STATEMENT OF REQUIREMENTS

**Supply and Installation of Satellite Telephone
Systems**

March 2021

C20636



Contents

Contents	2
Definitions	3
Part 1: General	5
Part 2: Insurance	5
Part 3: Objectives, Location and Constraints	6
Part 4: Warranty	7
Part 5: Emergent Work	8
Part 6: Trials, Certification and Acceptance	8
Part 7: Charges and Payment	9
Annex A: Vessel Details	11
Annex B: Emergent Work Individual Item Proforma	12
Annex C: Emergent Work item Record Spreadsheet	13
Annex D: Acceptance Certificate	14
Annex E: Reimbursable Expenses	15

For more information on how HM Government classifies its information to ensure it is appropriately protected and your role in that protection, please visit:

<https://www.gov.uk/government/publications/government-security-classifications>



Definitions

Phrase	Definition
Acceptance	The issuing of an acceptance document, signed by the Authority following the completion of an Annual Maintenance & Repair Period to the satisfaction of the Authority.
Additional Work	Unprogrammed work outside of the scope of planned or scheduled work.
Agreed Facility	A single phone number for the Supplier giving access to a point of contact able to give user friendly assistance to persons experiencing technical problems with any part or operation of the Cutters
Alongside Berth	A suitable quay/berth with at least 1m depth below LWS at all times Complete with access by gangway/brow
BFOO	Border Force Overseeing Officer
Cardinal Date Plan (CDP)	A plan provided by the Supplier mapping out the significant dates for a project
CPV	Coastal Patrol Vessel
Collar	RIB Collars (also known as RIB Tubes or Sponson) are the inflatable section of a Rigid Hull Inflatable OR A polyurethane coated closed cell foam cored buoyant Collar offering similar properties.
Defect Rectification	Work undertaken to resolve any kind of defect identified and listed in the work package.
Driveline	The CPV Driveline is the engines, water jets and drive shafts, and components used to connect these together
Emergent work	Any work that emerges from the Planned Maintenance, which is notified to the Supplier in this Statement of Requirements. Any repairs which are required as a direct result of defects found with during this package of works.
Lloyds Register	Lloyd's Register's Rules and Regulations set standards for the design, construction and lifetime maintenance of ships, offshore units and land-based installations.
Major Defect	Any defect or fault which reduces the performance of the Cutter, so it is unable to perform its duties.
Minor Defect	Any defect or fault which reduces the performance of the Cutter while allowing it to be safely operated for its duties.
Original Equipment Manufacturer (OEM)	The original manufacturer of a piece of equipment.
Planned Maintenance	The package of works as detailed as detailed in the requirement.
Project Engineer	A member of the Authority's personnel who is responsible for the overall planning and execution of a project.
Project Manager	A member of the Supplier's personnel who is responsible for the overall planning and execution of a project.
Progress Report	A report giving details of progress against the agreed CDP



Phrase	Definition
Rectification Plan	A plan to rectify a specified defect, giving dates and reasons for relevant actions to effect full rectification of the defect.
Safe Working Load (SWL)	The maximum load a piece of equipment can safely operate under.
SOLAS	Safety Of Life At Sea
Spares	Unless specified as Border Force supplied All spare parts required to complete an overhaul/maintenance/service including paint/anodes are for the Supplier to provide and include in their Quotation
Vessel	Coastal Patrol Vessel
Warranty	A guarantee, issued to the Authority by the Supplier, promising to repair or replace something if necessary, within a specified period.
WHO	World Health Organisation
Working Location	The area in which the Cutter is operational
Work in Wake	This is work involved due to preparation and after the repairs/maintenance works are done and must be included in duration and price-wise in the Quotation.
Yacht Designers & Surveyors Association (YDSA)	The UK's professional association for yacht surveyors and designers.



Part 1: General

1.0 Background

- 1.1 The Authority currently operates a fleet of eleven sea going patrol craft operating in both UK National and International waters. This consists of five Cutters and six Coastal Patrol Vessels (CPV).
- 1.2 The six CPVs are equipped and certified to comply with Maritime Coastguard Agency (MCA) MGN 280 (M) Small Vessels in Commercial Use for Sport or Pleasure, Workboats and Pilot Boats – Alternative Construction Standards, Category 2, for service in waters up to 60 nautical miles from a safe haven.
- 1.3 The primary roles of the CPVs are;
 - 1.3.1 To provide a mobile, flexible seaborne force capable of maintaining an effective deterrent against illegal immigration, smuggling and other breaches of the law administered by Border Force both within and outside the territorial waters of the UK.
 - 1.3.2 To increase maritime intelligence, undertake surveillance and improve international liaison in combating illegal immigration, the smuggling of drugs and movement of instruments of terrorism by sea;
 - 1.3.3 To intercept suspect vessels in territorial and international waters; and
 - 1.3.4 To provide mutual assistance to other EC countries, the Channel Isles, the Isle of Man and other partners on the UK border.
- 1.4 In addition to these primary responsibilities, Border Force also undertake tasks on behalf of the Ministry of Defence, Maritime and Coastguard Authority, National Crime Agency, Police and UK Fisheries Agencies.
- 1.5 The CPVs were originally built by Delta NP as Autonomous Rescue & Recovery Craft (“ARRC”), for use as Search & Rescue (SAR) assets for operation in the North Sea and were recommissioned by Border Force in 2017/18.
- 1.6 The CPVs are built from a Fibre Reinforced Plastic (FRP) sandwich construction with hybrid buoyant foam / air filled Collar and an enclosed wheelhouse and mission space.

Part 2: Insurance

2.0 Insurance

- 2.1 The Supplier is to be able to provide, if asked, a current and in-date insurance certificate that clearly states the limit of liability to be in excess of £5,000,000.00.
- 2.2 The limit of liability, as expressed in 2.1, is to be for each and every accident or series of accidents arising from the same event.



- 2.3 The insurance certificate is to include all employees and any individuals sub-contracted to conduct works on behalf of your organisation in the undertaking of this requirement.
- 2.4 The insurance policy is to cover all specified and implied risks involved in the conduct of this requirements.
- 2.5 The insurance certificate is to be submitted to the Authority in .pdf format.

Part 3: Objectives, Location and Constraints

3.0 Objectives

- 3.1 The objective of this specification is to provide the requirements for;
 - 3.1.1 the supply and installation of one (1) LT-3100 Iridium Communication system to three (3) CPVs. Each system is to be comprised of the following;
 - 3.1.1.1 LT-3110 Control unit
 - 3.1.1.2 LT-3120 Handset and cradle
 - 3.1.1.3 LT-3130 Antenna unit
 - 3.1.1.4 Power cable (3m)
 - 3.1.1.5 AME Antenna unit angle bracket mount
 - 3.1.1.6 AME Flush mount for control unit
 - 3.1.1.7 390L40H-E00 Cable - LMR400 - LSZH, (Complete with solder type connectors. allow 15m with 3 connectors).
- 3.2 Travel and subsistence.

4.0 Location

- 4.1 Due to the operational Working Location of the CPVs, this requirement is to be undertaken at a location determined by BF in the following geographical region;
 - 4.1.1 Dover, Kent, United Kingdom.

5.0 Constraints

- 5.1 All specified work must be completed.
- 5.2 All quotations are to be submitted in currency GBP.



- 5.3 All work must be completed in accordance with this Specification of Requirements and must be compliant to all applicable standards or Flag State regulations and in accordance with best industry standards.
- 5.4 All new parts and equipment fitted are to be supportable for a period of five years following installation.
- 5.5 All new equipment shall be provided with relevant operator & maintenance documentation, and any applicable certification.
- 5.6 For the purposes of this requirement, the working week is Monday to Friday and consists of five (5) working days.
- 5.7 The start date for this requirement is to be no later than 11 March 2021.
- 5.8 The supply and installation for this requirement must be complete no later than 26 March 2021.

Part 4: Warranty

6.0 Warranty

- 6.1 The Supplier shall provide warranty repairs in the event that any of the supplied or repaired parts develops a fault during the parts warranty period as detailed in § 6.3.
- 6.2 All Work carried out by the Supplier during the period of this contract shall be covered by a one-year Warranty commencing from the date of completion of the final Vessel.
- 6.3 All new parts supplied or fitted during the period of this contract shall be covered by a one-year warranty or such other provided warranty if it is longer than the minimum one year commencing from the date of completion of the final Vessel.
- 6.4 In the event that a Warranty Major Defect is notified to the Supplier that will render the CPV non-operational. The Supplier shall provide services to ensure the CPV is restored to full working condition within forty-eight hours, calculated from the date and time on which the Authority agrees the Supplier personnel can gain access to the CPV. In the event a Major Defect cannot be rectified within the assigned period, a Rectification Plan must be agreed with the Authority within forty-eight hours of identification of the potential failure.
- 6.5 In the event that a Warranty Minor Defect is notified to the Supplier, other than those that will render the CPV non-operational, the Supplier shall provide services to ensure the CPV is restored to full working condition, as quickly as possible, and in any event, within ten working days, calculated from the date and time on which the Authority agrees the Supplier personnel can gain access to the CPV. In the event a Minor Defect cannot be rectified within the assigned period, a Rectification Plan must be agreed with the Authority within forty-eight hours of identification of the potential failure.



Part 5: Emergent Work

7.0 Emergent Work

- 7.1 Only the Project Engineer can authorise EW.
- 7.2 The Supplier is to inform the Project Engineer if authorisation to engage on an EW task is made by any member of the vessel's crew or a member of Border Force.
- 7.3 All identified EW proposals are to be submitted to the Project Engineer on the attached Emergent Work Individual Item Proforma (Annex B) prior to the commencement of any work for authorisation.
- 7.4 All costs and any time delays to the completion date are to be articulated to the Project Engineer with the EW proposal.
- 7.5 The Project Engineer will authorise the Emergent Work on behalf of the Authority, if deemed appropriate by the Project Engineer, and provide formal acknowledgement of acceptance of the proposal to the Supplier.
- 7.6 Any proposals or work that has been undertaken by the Supplier, or a sub-contractor of the Supplier, and that are found to have not been authorised by the Project Engineer in accordance with § 7, upon final invoice submission, will be at the expense of the Supplier and will not be remunerated by the Authority.
- 7.7 The Project Engineer and the Supplier are to record the cumulative Emergent Work costs on the attached spreadsheet (Annex C), or in a similar format, which will be cross checked and analysed at the Weekly progress meeting.

NB: The Supplier must, therefore, liaise with the Project Engineer for every item of EW that requires consideration before the Supplier commences work.

Part 6: Trials, Certification and Acceptance

8.0 Trials

- 8.1 Any trials required shall be to prove that the executed work has been carried out satisfactorily and that the various systems can be checked and confirmed as fully and effectively re-commissioned. Other than fuel, all costs related to the operations of test and trials will be the responsibility of the Supplier.

9.0 Certification

- 9.1 All certification required for regulatory compliance or requested by the Authority shall be supplied enclosed in clear envelopes within a four-ring ring binder, complete with index. An electronic copy shall be forwarded by e-mail to the Authority in an accessible Microsoft Word format.



9.2 All certificates and reports specified as required are to be provided before acceptance.

10.0 Acceptance

10.1 Final acceptance will be the issuing of an Acceptance Certificate (as at Annex D), signed by the Authority.

10.2 The Final Acceptance document will only be issued after:

10.2.1 completion of all specified items of this requirement;

10.2.2 the Supplier has formally presented all certificates to the Project Engineer during a Conclusion Meeting; and

10.2.3 upon successful completion of any trials required for the work undertaken.

Part 7: Charges and Payment

11.0 Charges and Payment

11.1 All invoices are to be submitted in currency GBP.

11.2 All invoice correspondence is to be as per instructions on the Authority-issued PO document only.

11.3 The Supplier will receive one (1) Purchase Order (PO) number for this requirement;

11.4 Upon issue of a PO by the Authority, the Supplier can begin to submit invoices to the email address provided in accordance with the line-items on the PO document ensuring that all mandatory data is on the Invoice.

11.5 All travel and subsistence costs related to warranty defect repairs shall be recharged at the Home Office reimbursable T&S rates as stipulated in Annex E. Any additional costs outside those in Annex E are to be strictly at the expense of the Supplier.

11.7 The Supplier is to ensure that every item of specified work has been completed in line with this Specification of Requirements or they have an official acknowledgement from the Project Engineer allowing for non-completion.

11.8 The Supplier is to ensure that all EW tasks are approved by the Project Engineer signed off by the Project Engineer and serialised appropriately and recorded in the EW spreadsheet (Annex C).


11.9 Failure, by the Supplier, to include EW that is compliant with the instructions set out at § 7.0, will result in the Authority being unable to accept them for remuneration. If non-compliant tasks, either specified or emergent, are invoiced for payment, these costs will be rejected by the Authority and they will be at the expense of the Supplier.



NB: The Authority reserves the right to withhold payment from the Supplier, in part or in full, should any, specified or otherwise, condition as expressed in this Specification of requirements, not be successfully met by the Supplier.




Annex A: Vessel Details

 Border Force	Name	MMSI	Callsign
	CPV EAGLE	235118128	2JQP8
	CPV NIMROD	235118129	2JQP9
	CPV ALERT	235118131	2JQQ2
	CPV ACTIVE	235118132	2JQQ3
	CPV HUNTER	235118133	2JQQ4
	CPV SPEEDWELL	235118134	2JQQ5
Length overall (LOA)	18.80 m including the Collar, waterjet and its guard		
Length Rigid Hull	16.75 m		
Length waterline (LWL)	15.49 m		
Beam Overall	5.60 m		
Beam Moulded Hull	5.22 m		
Draught aft full load	0.96 m		
Ht Overall USK to mast	7.42 m (approx.)		
Displacement	c31.1 tonne		
Construction	FRP (fibre reinforced plastic)		
Main Engines	Twin Caterpillar C18 Marine diesel engines rated output 876 bhp / 644 kW @ 2,200 rpm each. (Total 1,752 bhp / 1,288 kW) Emergency rating 1,000 bhp (747 kW) @ 2,300 rpm		
Gearbox	ZF 550 reduction ratio 1.5:1		
Propulsion	Twin Hamilton HM 521A Waterjets		
Speeds	28 knots Cruising 34 knots emergency sprint speed in suitable seas		
Manoeuvrability	Manoeuvrability at all speeds is good		
Range / Endurance	(See Section 11: Fuel, Speed, Range.)		
Fuel	Design fuel load 3,424 litres. Max Fuel capacity 3,750 litres.		
Fuel Consumption	At Max rated power 195.6 litres / hour		
Fresh water	270 litres		
Black Water	71 litres		
Accommodation	4 berths FOC		
Domestic Arrgts	Small Galley, Combined shower and heads (Wheelhouse deck IOC Main Deck FOC)		
Crew Seating	5 Wheelhouse seats		
Mission Space	IOC. An open compartment accessed from the main deck level provides non-formatted mission space to accommodate up to 23 persons in addition to the crew. FOC separate compartment containing 4 x Bunk accommodation in Fwd. section of mission space.		



Annex B: Emergent Work Individual Item Proforma

Emergent Work (EW) Individual Item Proforma		 Border Force	
EMERGENT WORK ITEM No: C20636/			
Description			
Signed, PROJECT ENGINEER:		Date:	
PART I: By Supplier			
The above item is accepted as a genuine Emergent work item.			
Our Firm Price is*		£	
Our Realistic Estimate is*			
Signed:		Position:	
		Dated:	
TIME PENALTY (if any) The completion date of the contract* will/will not be affected by this item.			
PART II: By Project Engineer			
It is agreed that this is a genuine emergent work item and authority is given for the work to be undertaken.			
The Above Firm Price/Realistic Estimate* of £		ACCEPTED	REJECTED
Signed:		Date:	
Notes: *- Delete as required All interactions pertaining to Emergent Work are to be carried out strictly in accordance with Section 10, Sub-sections, 10.1- 10.5, inclusive.			

[illegible]



Annex D: Acceptance Certificate

Acceptance Certificate



Border Force

PART I: to be completed by Supplier

CPV [INSERT NAME]

CPV [INSERT NAME] having completed contract C20636 to the satisfaction of the Authority and having successfully completed all trials and provided all documentation required under the Authority's Contract No C20636 is this day offered for acceptance by the Border Force.

Signed:

For and on Behalf of the Supplier:

Print Name:

Date:

PART II: to be completed by The Authority

By Vessel Commander:

I attended the trials of CPV [INSERT NAME] and have satisfied myself that all systems, machinery and equipment are working satisfactorily. I have inspected the CPV and consider she is in a condition suitable for return to operational service. Outstanding items are noted as attached.

Signed:

Print Name / Post:

By Border Force Overseeing Officer:

CPV [INSERT NAME] having completed contract C20636 to the satisfaction of the Authority and having completed all trials and documentation required under the Contract is hereby accepted at..... hours.

Signed:

Project Engineer

Print Name:

Date:

PART III: Outstanding Items

Any outstanding items are to be noted, appended to this form and signed by both the Supplier and the Authority. Dates when these outstanding items are to be "completed by" are to be agreed and shown.

Distribution

Original - Retained by the Supplier
Copies to - Project Engineer



Annex E: Reimbursable Expenses

The Supplier may claim the following Reimbursable Expenses at the rates set out below:

1. Travel

Standard rate of allowance for private cars

Initial 10,000 miles	40p per mile
Additional miles over the initial 10,000	25p per mile
Public transport rate	23.8p per mile

2. Hotel rates

London	£125 per night
All other locations other than London	£90 per night



OGL

© Crown copyright 2021

Where we have identified any third-party copyright information you will need to obtain permission from the copyright holders concerned.

This publication is available at <https://www.gov.uk/contracts-finder>

Any enquiries regarding this publication should be sent, For the Attention of, Ian McDermott via email at ian.mcdermott@homeoffice.gov.uk .