

DEFENCE MARINE SERVICES – NEXT GENERATION

STATEMENT OF REQUIREMENT

**DEFENCE MARINE SERVICES – OFFSHORE SUPPORT TO
MILITARY TRAINING AND EXERCISES**

SCHEDULE 2

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SECTION 1

SERVICE DELIVERY

INTRODUCTION

PURPOSE

1. The purpose of this Statement of Requirement (SOR) is to define the Authority's requirements for the Services. The Contractor's performance will be monitored, reported and managed in accordance with the Payment, Pricing and Incentivisation Mechanism (PPIM) (Schedule 4).

BACKGROUND

2. The Services – Defence Marine Services Next Generation is a Navy Command Category A programme, consisting of four distinct procurements:

- Contract 1: Support to In-Port Marine Services and Delivery of a Vessel Replacement Programme (Service Delivery Areas 1 to 3);
- Contract 2: Inshore Support to Military Training, Testing and Evaluation (Service Delivery Areas 4, 5 and 7);
- Contract 3: Supply and Maintenance of Authority Moorings, Markers and Targets (Service Delivery Area 8); and
- Contract 4: Offshore Support to Military Training and Exercises (Service Delivery Area 6).

OFFSHORE SUPPORT TO MILITARY TRAINING AND EXERCISES REQUIREMENT – OVERVIEW OF THIS SOR

3. For this Contract 4 (Offshore Support to Military Training and Exercise), the Contractor shall provide the Services in Service Delivery Area (SDA) 6, which requires the support of specialist ocean going Vessels, outside of Dockyard Port local areas and worldwide, including specialist trials, specialist military training, including support to Operational Sea Training (OST) and the Exercise Joint Warrior (ExJW) under the direction of the Joint Tactical Exercise Planning Staff (JTEPS), and training support to the NATO Submarine Rescue System (NSRS).

4. The Contractor acknowledges and accepts that:

- VICTORIA, an Authority Vessel, is a custom-built support Vessel and shall be used by the Contractor in the provision of the Services as described in this SOR; and
- NORTHERN RIVER is an offshore support Vessel, has been used in the provision of services equivalent to the Services prior to the Service Commencement Date.

VESSEL ADMINISTRATION, VESSEL REQUIREMENTS & SUBSTITUTION

5. All Vessels shall be UK Flagged and certified in accordance with the following table:

SDA	Vessel Type	Flag Classification	Is there a requirement to maintain Vessel to Class
6	Worldwide support Vessels	Class VII (SPS)	Yes

Table 1.0 (Flag and Class Certification)

6. On any change of the Operator for the Transferring Vessel, extant Vessel Safety and Environmental Cases shall be the basis of Safety and Environmental Cases in this Contract and integrated into the Contactor's Vessel acceptance plan.

7. The Contractor shall obtain prior written approval from the Authority before substituting or using any 'backfill' craft on a case by case basis.

8. Due to specific safety and Tasking procedural requirements associated with military training Tasks, any Vessel(s) assigned to meet such activity shall have the specific attributes described under each Task.

CODES OF PRACTICE AND AFFECTED SERVICES

9. Codes of Practice (CoP) are instructions presented in the manner of a formal agreement between the Authority, the Entitled Customer and the Contractor. They provide a means of governing the provision of marine support to the Tasks where there is potential for command and control issues between the various parties. They also provide for onboard protocols and guidance to enable the crew and embarked personnel on the Vessels allocated to the programmed Tasks to identify areas of responsibility and control during the training (Tasks). In so doing, they aim to emphasise the delineation between activities undertaken in support of the Task and those undertaken as part of the general operation of the Vessel.

10. Where established, CoPs will form part of the document suite used to govern the execution of the Authority training Tasks. The guidance and instruction contained within them do not override or prejudice any of the Contract terms and conditions.

11. The commercially operated status of the Vessels used in support of the Contract, requires that the Contractor complies with all applicable UK, European and international maritime legislation in their management and operation. The Authority is required as far as possible, to ensure that such provision is in compliance with UK, European and International Maritime Legislation. Where there is no relevant legislation in place, or the application of civil maritime legislation is not possible to specific training Tasks, then Authority regulations and standards are to be applied in order to manage risks responsibly and to optimise the balance between risk and benefit.

12. Except where the service (Task) is designated as an Affected Service, Vessel activity is within the scope of the Merchant Shipping Legislation, and full compliance with those rules will be the responsibility of the Master. The following Tasks are Affected Services and will be specifically identified as such within the Codes of Practice.

Training Task	Activity Triggering the Affected Service Categorisation
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JTEPS Swarm and FIAC Attacks	Contravention of Rule of Road between Vessels participating in the training Task.
JTEPS & SMU Boarding Exercises	Boarding exercises whilst under way, making way are undertaken as a matter of course rather than as an exception.

13. The management and regulatory control of these activities shall be in accordance with the MOU between the MOD and the MCA.

14. No Task involving Affected Services, or in any way outside the scope of normal merchant marine activity, shall be undertaken without a fully developed risk assessment, and supporting procedures for undertaking the Task and the approval of the Authority.

15. Many of the Tasks covered by this contract involve a degree of risk to Authority Personnel, the Contractor's crews and the general public. Safety, and in particular the management of risk, shall be paramount, to ensure the safety of all personnel engaged in any of the Tasks covered by this Contract. The Contractor is to ensure that a full safety assessment, commensurate with the risks involved, is undertaken and documented for each new Task and kept under review thereafter.

16. In general, the Contractor and the Entitled Customer will ensure the provision of appropriate instructions for the Tasks that will encompass and amplify much of the content in the "Task – Line Item Description" contained in the SOR Table. Where such instructions and procedures exist, they will take precedence over those line item descriptions.

17. Where such instructions and procedures do not exist, the SOR line item descriptions shall provide the basis for the conduct of training Tasks, or the basis on which the Vessel's Master should seek further amplification of the role he is required to undertake in support of the Task. The Contractor shall immediately bring to the attention of the Authority any conflict between the SOR line item descriptions and any instructions, procedures or work instructions provided by the Contractor or End User, or any absence or insufficiency of guidelines or instructions for the Task.

SDA 6 – OFFSHORE SUPPORT TO MILITARY TRAINING AND EXERCISES

LOCATIONS

18. Activities shall be undertaken at various locations globally. The majority of activity will take place around the UK coast with several activities taking place in Gibraltar, the Mediterranean Sea and NATO sea areas as specified in the relevant Task in the SOR Table. These are principally, but not limited to, the NSRS, Data Gathering, C* and Submarine Parachute Assistance Group training activities. The Specialist Military Unit (SMU) group will require support worldwide and where details (including limitations) of location requirements are known, they will be specified in Line Item 4.6.2.

19. There are no ice class Vessels required under the Contract and so the Contractor is not required to comply with the International Code for Ships Operating in Polar Waters. Therefore, the Vessels cannot operate in Polar areas as defined by SOLAS XIV Safety Measures for Ships Operating in Polar Waters.

TASKING AND TASKING AUTHORITY

20. The Marine Services Superintendent Out of Port (MSS OOP) will act as the Tasking Authority. All Services shall be requested by the MSS OOP.

21. The MSS OOP will issue instructions for a Task through a Defence Information Notice (DIN). The Contractor shall be directed by the Authority to liaise with the appropriate Entitled Customer to establish specific details of the Task. During the planning stage for the Task, the Authority, Contractor and Entitled Customer shall discuss the support required for loading and offloading the Entitled Customer's equipment to and from the Vessel.

22. Where there is a programming conflict for the Tasks, the MSS OOP shall resolve the conflict between the Authority's Entitled Customers, as required. Where a higher level of arbitration is required, MSS OOP will refer to higher Authorities.

SECURITY

23. The Contractor shall comply with the security principles and procedures and the Authority's minimum security requirements contained in Schedule 8 (Security Requirements).

24. The Contractor shall, at all times, have due regard for protective security of all Authority related personnel, equipment and information which reflect the UK's widest national security objectives and the Contractor shall ensure that these most sensitive assets are robustly protected at all times.

25. All Contractor Personnel (including ocean going and shore-based personnel) involved in or connected with the delivery of Services shall undergo national security vetting and shall be in date for a security check in accordance with the requirements and procedures set out in Schedule 8. In addition, these individuals shall be required to receive a security brief in accordance with Schedule 8 and shall sign the non-disclosure paperwork and comply with the Official Secrets Act 1989.

CONCURRENCY REQUIREMENT

26. The Contractor shall at all times be required to operate a minimum of two worldwide support Vessels (Class VII (SPS)) concurrently to meet the full SOR requirement. Should a Vessel not be available due to unforeseen circumstances, the Contractor shall provide a suitable worldwide support Vessel (Class VII (SPS)) and crew with appropriate security clearance. The Contractor shall, if necessary, charter a replacement at its own expense for not more than 4 concurrent events per calendar year. Any chartering events in excess of this shall be considered as an Additional Service under Clause 7. Any Task specific concurrency requirements are detailed in the SOR Table. For example, a single Vessel may be required to support two or more Tasks concurrently for the JTEPS (for ExJW).

SPECIAL PURPOSE SHIP (SPS) CODE - CERTIFICATION OF SPECIAL PERSONNEL (HEALTH, SAFETY, FITNESS)

27. The Contractor shall ensure that all persons considered to be Special Personnel (as that term is defined in the MGN 515 Special Purpose Ship Code (SPS Code) as amended from time to time) comply with the SPS Code, including by:

- meeting the the certification requirements in the SPS Code;
- maintaining onboard records of Special Personnel; and
- ensuring the Special Personnel comply with the standards in the SPS Code on medical fitness and safety training and abilities, which includes demonstrating their medical fitness with an ENG1 or recognised equivalent medical fitness certificate, providing evidence of safety training and ability such as completion of basic training in personal survival techniques as laid down in the STCW Code.

28. The Authority or the Entitled Customer for the relevant Line Item in the SOR Table, will provide the Contractor with appropriate evidence of compliance with medical fitness and safety training and ability for the Authority or the Entitled Customer's personnel (whichever is applicable).

CATERING

29. The Contractor shall provide a full catering service to embarked Authority Personnel. SMU Forces personnel engaged on initial training are entitled to Full Catering Support at enhanced levels (75% enhancement on daily ration scales as defined in JSP 456) and require the flexibility to partake meals outside normal mealtimes.

DIVING EQUIPMENT SUPPORT

VICTORIA - Fixed TMCC

30. The Contractor shall install the ship fit variant Transportable Manned Compression Chamber (TMCC) (Type C chamber) on the VICTORIA in accordance with BR 2807, the MSI Defence Systems Ltd Interface specification and in accordance with Lloyds Rules and Regulations. The TMCC will be supplied by the Authority. The TMCC's dimensions are 3.275 metres length overall, 2.25 metres high, 2.48 metres wide, 2.410 tonnes. The Service provided by the Contractor shall include:

- ensuring that the Vessel is capable of supplying power at 115V AC single phase at 60 Hz-5.7kVA; and
- maintenance of the diving air supply system and the air supply to the TMCC in accordance with the Standards (including BR1313(2) and BR2807(5)(P)(1)).

31. NOT USED.

32. The Contractor shall facilitate removal and replacement of the TMCC every 5 years for Authority sponsored deep maintenance.

33. The Contractor shall ensure the Vessel has a secure locker of a minimum size of 2 metres x 1.5 metres x 0.6 metres for stowage of TMCC spares.

34. The Contractor shall not be responsible for the operation of the TMCC.

NORTHERN RIVER and other Vessels – Containerised TMCC

35. The Authority requires the Contractor to embark the containerised TMCC in the NORTHERN RIVER (or such other Vessel engaged by the Contractor and approved by the Authority) to support the SMU, diving or submarine escort Tasking. The containerised TMCC is supported by a support unit contained in a second ISO container. The Contractor shall be responsible for collection, transportation, embarkation and disembarkation of the containerised TMCC and support unit to meet programmed requirements. The containerised TMCC shall be supplied by the Authority and is held at the Defence Diving School, Horsea island, Portsmouth. The Contractor shall ensure that the relevant Vessel can accommodate the the containerised TMCC and support unit with the following weight and dimensions:

- ISO container for TMCC: maximum weight 6.7 tonnes and dimensions (metres): L. 6.1 x W. 2.74 x H.2.43); and

- ISO container for support unit: weight 7.5 tonnes and dimensions (metres) L. 3.04 x W. 2.43 x H. 2.43).

36. The Contractor shall ensure that there is sufficient space at the door end for a stretcher to be taken into the TMCC container. (Note: The container dimensions comply with those for a 20ft ISO container as set out in paragraph 35).

Stowage capability for all diving support Vessels

37. The Contractor shall ensure that the worldwide support Vessels (VICTORIA and NORTHERN RIVER - or such other Vessel engaged by the Contractor and approved by the Authority) include stowage for 32 therapeutic gas cylinders (each 930mm x 230mm) and stowage for 6 calibration gas cylinders (each 380mm x 55mm).

NATO SUBMARINE RESCUE SYSTEM

38. The Service in support of the NSRS shall be provided from a single Vessel (NORTHERN RIVER or such other Vessel engaged by the Contractor and approved by the Authority). The Contractor shall ensure the Vessel is capable of mounting the NSRS, including the launch and recovery 'A frame' and any other associated equipment. The key capability requirements are contained in the Line Item 4.6.4.

MINELAYING, SURVEYING AND RECOVERY

39. For recovery and survey of mine targets, the Authority will provide a Remotely Operated Vehicle (ROV) and personnel to operate and maintain the ROV. The Contractor shall ensure that the Vessel has sufficient craneage to launch and recover mine like targets up to 1500kg in weight. The Contractor shall be responsible for the logistical support necessary to fit, secure, and offload the ROV and any other associated minelaying and recovery equipment. The key capability requirements are set out in Line Item 4.6.8.

SPECIALIST MILITARY UNIT

SMU Specific Requirements

40. For the purposes of this SOR, the terms SMU and MAB are synonymous, and both represent the Entitled Customer for Services detailed in Line Items 4.6.2, 4.6.2.1 and 4.6.2.2.

41. The SMU has a unique set of training requirements, that are supported by the Services provided under the Contract to enable the levels of training and competence demanded for mission scenarios to be undertaken.

SMU Security Clearance Requirements

42. The Contractor shall ensure that the minimum mandatory level of security clearance in paragraphs 23 to 25 above is complied with in respect to all marine services support to the SMU. During the provisioning of support Vessels and crews for short notice Tasks, including charter under the Change Control Procedure, where the Authority determines there is insufficient time to achieve the normal checks or vetting procedures, the Authority may direct a formal risk assessment to be conducted by the Entitled Customer/ SMU in liaison with the Authority and the Contractor.

Task Planning Requirements for SMU Operations

43. The Contractor shall ensure that all Vessels providing Services relating to the SMU shall be employed exclusively on Authority business during the period of charter.

44. Port visits outside of UK territorial waters by Vessels operating under the Contract will be subjected to the normal diplomatic clearance process (DIPCLEAR) initiated by the Authority.

45. The disposal of waste fuel (Civgas) from embarked craft shall be part of the Service provided by the Contractor. The Contractor shall have the capacity to dispose up to 2000 litres of spent fuel per annum (this calculation is based on an estimated use of 21 x 20 litres petrol cans per pallet x 4 pallets on VICTORIA and 16 x 20 litre cans used on NORTHERN RIVER).

46. The Contractor shall ensure that an ISDN line and secure telephony services are to be available onboard for user activation, as required. The Contractor shall ensure the Vessels have the capacity to securely hold a crypto key in a secure crypto container which shall be provided by the Authority.

SOR TABLE - LINE ITEM COLUMN HEADINGS (ALL SERVICE DELIVERY AREAS)

47. Each SDA SOR Table contains the following information in relation to the Services:

Column Heading	Description
1. Contract	Contract 4 Defence Marine Services – Offshore Support to Military Training and Exercises
2. Service Delivery Area (SDA)	Service Delivery Area (SDA) 6 - Support of specialist ocean going Vessels, outside of Dockyard Port local areas and worldwide, including specialist trials, specialist military training including support to OST and ExJW under the direction of the JTEPS, and training support to the NSRS.
3. Task Number	A unique reference number for each Line Item.
4. Task – Line Item Description	<p>The description of the service output required, which shall include:</p> <ul style="list-style-type: none"> • Vessel and service capability requirements; • operational parameters (Sea State); • programming information; • geographical areas; • chart numbers and other key references; and • concurrency requirements.
5. Quantity	<p>Maximum: The maximum quantity of support required per annum in each Line Item based on known future activity.</p> <p>It is expressed in days, (and nights where required) or numbers of Tasks per annum. The duration of each Task (the Task window) shall also be given where the duration of the support requirement is less than 1 day. Where relevant to each Line Item requirement, weekdays and weekends will be specified and, length of day.</p> <p>Average: An average usage to assist in planning.</p>
6. Vessels	Vessels approved by the Authority as suitable for the identified Task. The Contractor may propose the use of alternative Vessels for the identified Task and such Vessels may be used provided the Authority has given prior approval.
7. Remarks	Any pertinent remarks.

Table 1.2 – SOR Table - Line Item column headings

STATEMENT OF REQUIREMENT TABLE

Where Vessels in the SOR Table are referred to by their name, they represent the Vessels currently used on the existing Contract. If the SOR Table does not specifically identify that the VICTORIA is the Vessel to be used for the Task, the Contractor may substitute an appropriate Vessel which shall be approved by the Authority.

Contract	SDA	Task	Task - Line Item Description	Quantity	Vessels	Remarks
4	6	1	<p>Support to C* CERTEX training</p> <p>The Contractor shall facilitate the C* CERTEX training both within UK waters and within the Mediterranean Sea. The Contractor is required to provide a Vessel to facilitate the C* CERTEX training which meets the following requirements:</p> <ul style="list-style-type: none"> be capable of supporting up to 60 Authority Personnel comprised of 15 person surface support diving team; 6-person medical support team and 20 personnel (including divers) embarked for the full training period. In addition (to these 41 personnel), during the training period the Vessel should be prepared to provide overnight accommodation and catering provision on an occasional basis for up to 15 FOST sea riders. (NB the primary role of the FOST sea riders is sea riding/training onboard the submarine (which is the subject of C* training but given the very limited capacity on the submarine to support additional staff, this occasional external assistance during the work up period is required)). In addition, permit/support TMCC and ship familiarisation training alongside on an opportunity basis for Authority (Navy Command C* Diving Unit) staff. have a min transit speed of 10 knots and be capable of transiting in sea state 7 and operating in up to sea state 5. 	Maximum 37 days a year comprised of: 60 days (for CERTEX) & 14 days for Trg in a <u>2-year period</u>	VICTORIA, NORTHERN RIVER	

			<ul style="list-style-type: none"> • be capable of receiving a Type B2 Compartment Compression Chamber (2CCC) (Operational Weight of container and chamber 13.6 tonnes; Dimensions (metres) L 6.705 x W. 2.743 x H.2.591) and fitted in accordance with the general regulations contained within BR 2806 Series, DCOP 20 and for Recompression Chamber requirements (Type B) within BR 2807 (5) (K). • be capable of receiving an ISO container for Support Unit (Weight 9 tonnes; Dimensions (metres) L. 3.048 x W. 2.438 x H. 2.438); • be capable of receiving 4 Medium Inflatable Boats in a 2 x 2 configuration. • include electrical supplies: 240v @ 50Hz, or 115v @ 60 Hz, @ 13.5 kw; 110v-240v universal, 12v-32v maximum ripple 1v. • provide a dive station with the following: <ul style="list-style-type: none"> - suitable clear working area (3m x 3m) with easy access and entry to water via door or gateway; freeboard no greater than 3 metres; suitable diving ladder for entry/exit by divers; means of hoisting/lowering diving shot line at the dive site; adequate means for recovery of stricken diver; clear of all compressor/machinery noise hazards; - 6 x Green Plastic Lacon boxes; dimensions (cm) L. 59 x W. 80 x H.48; - 1 x Potbox (RCC medical support equipment); and - 1 x Wennol Re-breather system; dimensions (meters) L. 1 x W. 1 x D. 1. • have storage space for 4 quads of therapeutic/diving gases. • 2x Gas Pallets; dimensions (meters) L. 1.26m x W. 0.83m x H. 1.10m. • gas cylinders; O2 x 15 (12 on pallet, 3 on chamber), 40/60 x 6 (all on pallet), 50/50 x 7 (6 on pallet, 1 on chamber), 20/80 x 7 (6 on pallet, 1 on chamber). 			
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			<ul style="list-style-type: none"> be capable of embarking 2 x diving assets 5t dry weight; 4 x 10ft and x1 20ft ISO and/or x1 40ft ISO 'Pallet Wide' container; 2 additional x Rigid Inflatable Boats (RIBs). 			
4	6	2	<p>Specialist Military Units</p> <p>The Contractor shall provide support to military training exercises worldwide, but excludes polar waters as defined in SOLAS Reg XIV/1.2 Antarctic Area and Reg XIV/1.3 Arctic Waters within 12 nautical miles of Norway and no further south than South Georgia.</p> <p>Task duration can vary in length from 1 to 60 days (excluding transit times to/from exercise location).</p> <p>Concurrency = 2.</p> <p>SMU - Detailed Offshore Vessel capability and service provision requirements</p> <p>The Services shall be capable of embarking, disembarking, launch and recovery of:</p> <ul style="list-style-type: none"> - Maritime Development Wing (likely to be 2 x diving assets 5t dry weight, 4 x 10ft and x1 20ft ISO and/or x1 40ft ISO 'Pallet Wide' container, 2 x Rigid Inflatable boats (RIBs) and up to 20 personnel) or - SMG (Surface Manoeuvre Group) (likely to be but not limited to 4 x RIBs, 4 x spare engines and up to 20 personnel). 	<p>-435 days comprised of:</p> <p>8 x 3 week Ex's (168)</p> <p>1 x 6 week OTX (42)</p> <p>1 x 5 week Ex (35)</p> <p>2 x 2 week Ex's (28)</p> <p>1 x 4 week Ex (28)</p> <p>and, 134 days transit time.</p> <p>NB: some of these exercises may overlap but the maximum number of vessel days remains 435</p>	VICTORIA, NORTHERN RIVER	<p>NORTHERN RIVER has capability shortfalls that do not meet full requirement. Tasks beyond either VICTORIA or NORTHERN RIVER's availability or capability will need to be paid for by an End User funded Change.</p> <p>1 week = 7 calendar days</p>

		<p>- Maritime Underwater Autonomous Systems (UAS) and maritime Uncrewed Aerial Vehicles (UAV).</p> <p>- It is desirable that the marine service assets have high free board, enabling Maritime Counter Terrorist (MCT) training: 10m (Threshold) up to 20m (Objective) to simulate different shipping types.</p> <p>The Vessel shall have the following facilities:</p> <p>Accommodation</p> <ul style="list-style-type: none"> • Sleeping accommodation for up to 75 embarked persons with personal equipment; storage space for up to 100m³ of additional personal equipment. • Provision of catering facilities (Authority-provided food) for up to 30 (threshold) 75 (objective) embarked SMU personnel and conforming to the Armed Forces Food Based Standards (AFFBS) in JSP 456 and, providing the calorie and protein levels specified by the End User to meet the high intensity demands of the Authority Personnel embarked for the Task. • Rest/recreation space sufficient for 15 people (threshold) 30 people (objective). • Conference room sufficient for 30 people. • Drying room, changing and laundry facilities for 15 people (threshold) 30 people (objective) with shower facilities. <p>Magazine / Weapon Stowage</p> <ul style="list-style-type: none"> • Secure walk-in small arms stowage compartment of at least 2.5m x 2m floor area. • Walk-in magazine storage room of at least 1.5m x 4m floor area. • The Contractor's Vessel crew (VICTORIA) shall provide a qualified Officer of the Quarter (OOQ) and Explosives Responsible Officer in compliance with BR862 (course details at BR9600 Ch 19E). 			<p>Maximum days during which 75 personnel will be embarked will not exceed 10 days per year.</p>
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		<ul style="list-style-type: none"> • The magazine shall be capable of storing munitions in accordance with the Authority munition list and constructed in accordance with BR 862 Naval Magazine Explosives Regulations. <p>Communications and Navigation</p> <ul style="list-style-type: none"> • Embarked personnel (SMU) access to maritime band VHF. • Clear worktop space of minimum size 0.5m x 2m with at least 6 standard 13 amp, 240 volt power points adjacent to the worktop and access to external areas of the platform to rig temporary antenna for use by Authority supplied walk on/walk off communications equipment. • Secure satellite communications with secure telephone and facsimile facilities via Authority provided terminal. • Daily access to a satellite communications facility is required based on 50mb per month whilst embarked for voice & data at a rate of at least 32kbit/s. • Secure speech UHF Transmit (Tx)/ Receive (Rx). • Facilities to connect tactical and secure communications and computer networks to the power and Wi-Fi communications infrastructure. • Connection of up to x 4 Authority provided laptop docking stations. <p>Craft Support Requirements Capability to stow, handle, launch and recover on board the following Authority provided craft in up to Sea State 4:</p> <p>-4 x RIBs (or) Littoral Patrol Boats (LPB), (or) Riverine Patrol Craft (RPC) (each up to 9.2 m long, 2.94m beam, 2.8 tonnes); -6 x MIBs and/or 6 x Zodiacs (stored uninflated) -12 x canoes (each 5.75m long, weight 455kgs); -4 x Tactical watercraft (TWC) large jet skis 3.75m long, 1.6m beam, weight 450kgs each;</p>			
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		<p>-2 x diving assets, (each 6.5m long, 1.35m beam, 2.5 tonnes (dry) & 6.15 tonnes (wet)) Storage for diving assets shall be undercover;</p> <p>-2 x surface craft - maximum dimensions and weights: Variant 1 - 22.2 tonnes, 18.27m long, 3.8m beam); Variant 2 - US CCM, 20.75 tonnes, 18.5m long, 4m beam, 3.20m high on trailer and maximum weight of 22.5 tonnes. This will be the replacement for variant 1 (until early 2024 Variant 1 will remain in service / will be required to be carried);</p> <p>- 6 diver propulsion devices (medium range) and up to 15 (short range) systems complete with battery charging units for 25.2V 37.2Ah 937.4Wh power draw.</p> <p>-Launch and recovery shall handle a fully equipped and manned craft weighing up to 40Te;</p> <p>-Secure stowage of 1 x 20ft ISO container; Note: This will not be carried concurrently with the containerised Recompression Chamber.</p> <p>-Secure stowage of 3 x 10ft ISO containers.</p> <p>-Capability to load, store and issue up to 22730 litres of diesel;</p> <p>-Capacity to load and store at least 2970 litres of CIVGAS in jerry cans or blister bags for refuelling alongside.</p> <p>-Battery charging room with at least 3.5 m2 of bench space including power supplies (2 x 240V, 30A) for Authority provided battery-charging equipment.</p> <p>The Contractor shall be responsible for disposal of all used and contaminated fuels.</p> <p>Craft Support (Towing and Recovery).</p> <p>The service shall include the capability to tow or recover (in up to Sea State 4) either:</p> <ul style="list-style-type: none"> • 4 x Arctic 24 RIBs (or future replacement craft). • 4 x Arctic 28 RIBs (or future replacement craft). • 2 x surface craft, maximum dimensions: Variant 1 - 22.2 tonnes, 18.27m long, 3.8m beam); Variant 2 - US CCM, 20.75 tonnes, 18.5m long, 4m beam, 3.20m. 			
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			<ul style="list-style-type: none"> • 4 x MIBs. • 12 x canoes (each 5.75m long, weight 455kgs). • 4 x tactical watercraft (TWC). <p>Diving Support Requirements</p> <ul style="list-style-type: none"> • Facilities for charging air cylinders for inflation of inflatable craft. • Provision of diving air, storage cylinder capacity at least 2x 276Bar, 0.26m³ air. • Facilities for charging diving air cylinders (air quality shall be to DEFSTAN 68-284; clean air certificates to be provided by the Contractor). • Fresh water, equipment rinse area. • Diving air charging points, at least 1, close to the diving air compressor/air storage room, and at least 1 close to the diving asset stowage position, and 1 in the oxygen clean room. • Charging panel outlet pressure shall be 260 Bar. • An area maintained to oxygen clean room standard with: At least 2m² of workbenches, including area served by a BASSAIRE fan/filter air supply; Sink facilities (a minimum 0.5m x 0.5m x 0.225m deep). <p>At least 1 diving air charging point; At least 4 x 240V 13A sockets.</p>			
4	6	2.1	<p>SMU & 24 Sqn Training and Trials Support</p> <p>Support to training and trials, Tasks undertaken by Authority Personnel including:</p> <p>-Maritime boarding training; parachute drops; aerial platform delivery training and trials.</p> <p>-The service shall generally be provided in Sea State 2 to 5. Achievement of activities in Sea State above Sea State 3 will be at the judgement of the vessel Master and with reference to the supported activities i.e. If the air</p>	<p>Maximum-150 days a year as follows:</p> <p>-56 days-safety boat (in support of boarding training)</p> <p>4 x 1-week MCT Exercises run twice a year.</p> <p>-12 days-parachute drops:</p>	<p>Quest Marine</p> <p>- provision of craft as training safety boats and for recovery of air dropped delivery platforms</p>	

		<p>component (24 sqn) determines that the environmental conditions dictate that an air drop will go ahead, then the safety boats must attend.</p> <p>-The area of operation shall be all UK coastal waters, including the Channel Islands, up to 12Nm from coastline.</p> <p>Parachute drop zone safety and Air Delivery trials</p> <p>-Support shall include recovery of 4 Platform Utility RIB Aerial Delivery (PURIBAD) 1000kgs, or:</p> <p>-4 Platform RIB Aerial Delivery (PRIBAD) 1115kgs and up to 120 wet parachutes (and associated reserve parachutes in plastic bags and D platforms and/or 4 Maritime Modular Platforms (MMP) delivery platforms and/or 2 x air portable fuel containers concurrently, post air drop, to mitigate risk of sinking (note: The MMP frames are modular). Each frame is 4ft long, 225kg, and up to three Modules can be connected to give either an 8ft or 12ft platform. Each MMP frame is 108" wide, designed to interface with delivery aircraft (Skydel and Dash 4a) air cargo handling systems.</p> <p>-Provision of suitably qualified and experienced coxswains to operate safety boats.</p> <p>-Provision of safety boats to assist in the safe recovery of personnel from the water and for the recovery of up to x4 aerial delivered platforms.</p> <p>-Maritime boarding training support is the provision of a safety boat.</p> <p>-Tasks are normally conducted during the Business Days.</p>	<p>BT380 course - 3 days 4 x a year (12 days)</p> <p>-15 unscheduled parachute drops</p> <p>-50 days -air delivery Tasks:</p> <p>24 Sqn cse bt cse - 1 week twice a year (14 days)</p> <p>MCT Exercise - 1 week twice a year (14 days)</p> <p>Sub para RV Exercise -5 days twice a year (10 days) MCT currency Ex - 7 days twice a year (14 days)</p> <p>-15 days - Air delivery trials. (MMP, PURIBAD, PRIBAD)</p>	<p>1 x safety boat for parachute drops</p> <p>(1 x safety boat per 2 platforms & 1 x small craft per platform required)</p> <p>Vessel requirement length 8.9m, beam 2.9m and capable of a maximum speed of 48 knots.</p>	
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			<p>-Certain Tasks may be dependent on factors outside the control of the Tasking Authority, notably availability of aviation assets which may result in extensions or delays to Tasks.</p> <p>-PURIBAD & PRIBAD events should not exceed a maximum of 24 events per calendar year and will be geographically locked to the Poole Harbour area. Anything in excess of the maximum number of events or outside of the Poole area will be subject to Additional Services tasking.</p>			
4	6	2.2	<p>SMU Diving Training and Qualification</p> <p>-The service shall support training in water depths of up to and including 30 metres The service shall be capable of mooring in up to and including Sea State 4 and winds of 20 knots, with maximum yaw of +/- 10°.2 concurrent Tasks at different locations, in the waters off the North-West Coast of Scotland (Kyle of Lochalsh / BUTEC area), in up to and including Sea State 4, and shall have a speed of 10 knots or more in Sea State 2.</p> <p>-Be sufficient to support a maximum of 20 x 2 man diving teams (comprised both divers under training and diving trainers).</p> <p>-Support to user training with diving assets and propulsion devices.</p> <p>Facilities and capabilities required:</p> <ul style="list-style-type: none"> • Diving support requirements in accordance with the general regulations contained within BR 2806, and for TMCC requirements within BR 2807. • Storage of two complete sets of Batteries for the diving asset(s). • In lieu of a ship fit variant Type C TMCC, stowage of an ISO Container for TMCC (Weight 6.7 tonnes; Dimensions (metres) L. 6.1 x W. 2.74 x H.2.43); space to include 3 metres clearance at door, and 1 metre all-round the ISO to allow access of stretcher. 	<p>-Tasks shall be between 14 and 60 days' duration including loading and unloading of divers' equipment & passage time to and from areas of operation.</p>	VICTORIA, NORTHERN RIVER	<p>Quantity included in the overall maximum vessel days requirement of 435 in 4.6.2.</p>

			<ul style="list-style-type: none"> • Stowage of ISO container for support unit (Weight 7.5 tonnes; Dimensions (metres) L. 3.04 x W. 2.43 x H. 2.43). • Dive station with: Suitable clear working area (3m x 3m) with easy access and entry to water via door or gateway; Fresh water supply at dive station; Freeboard no greater than 3 metres; Suitable diving ladder for entry/exit by divers. • Means of hoisting/lowering diving shot line at the dive site; adequate means for recovery of stricken diver; clear of all compressor/machinery noise hazards; storage space for 4 quads of therapeutic/diving gases. • Workshop, in the proximity of dive station, with the following: <ul style="list-style-type: none"> ○ An oxygen clean area for maintenance of closed and semi-closed-circuit breathing apparatus; ○ 4 square metres for 2 outfits of clearance diving breathing apparatus;. • Laundry and drying room facilities for diving equipment, uni-suits and under-suits; Toilet, shower and changing facilities. • Lifting capacity of SWL 1 Tonnes at 4 metres on either side. • Secure storage for 20 sets of diving kit, and 2 inflatable craft. • Underwater telephone. • Training/lecture room with tables/chairs for maximum 30 personnel. • Provision of Day Accommodation and basic catering facilities (Authority provided food). 			
4	6	3	Not used			
4	6	4	<p>Support to NATO Submarine Rescue System Training within NATO, including UK, coastal waters.</p> <p>Detailed requirements, including deck layout and service support for the full system are in the NSRS Requirements document, held by the Authority.</p> <p>The Vessel shall have IMO DP Class 2 capability.</p> <p>The Vessel shall have a minimum transit speed of 10 knots and be</p>	<p>Maximum – 35 days</p> <p>Average – 17 days</p>	NORTHERN RIVER	<p>Normal Requirement = 5 weeks per year comprising 2 training periods and including mobilisation</p>

		<p>capable of transiting in Sea State 7 and operating in up to Sea State 5. The Service shall include:</p> <ul style="list-style-type: none"> • A minimum endurance of 20 days replenished operation. • Full Catering Support; overnight sleeping accommodation for minimum 42 (desired 45) Special Personnel; briefing room for 35 personnel. • Facility to install an Authority supplied portable A frame (Portable Launch and Recovery System - PLARS) and associated equipment that will require a minimum clear deck area of 500m2 (desired 560m2). The weight of the Authority supplied A frame together with the rescue submarine and peripheral equipment is 380 tonnes; deck loading capacity 5.0 tonnes per square metre. • Electrical power supply deck sockets of 6 x 440V, 60Hz, 3 phase deck supplying: 148, 221, 90 and 21 Amps (full electrical supply requirement in the NSRS Requirements Document). • Capability and winch to launch and recover mating targets (5000KG); Pod posting target 660kg. • Capability to stow, launch and recover Authority provided RHIB (Pacific 24); boat davit will be provided. • Provision of a Contractor supplied and operated craft (similar specification to the vessels existing rescue boat) capable of providing support in the vicinity of the vessel up to a significant wave height of 2m. (Only to be used in the event of difficulties arising with the Intervention System). • Provision to allow Authority provided sacrificial deck pads to be welded to the deck for use as fixing points for the underwater tracking system transponder and receiver or the provision of a ships tracking system compatible the NSRS with NMEA output. 			and/or demobilisation of equipment
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4	6	5	<p>Support to SMASHEX within UK coastal waters.</p> <p>The exercise shall take place in sheltered waters in the Firth of Clyde off Arran or off Start Bay.</p> <p>The Service shall be provided up to and including Sea State 3.</p>	Maximum - 4 days per year (excluding passage time)	NORTHERN RIVER	In accordance with Task given 2 months' notice
4	6	6	<p>Surface Target – 'Loyal Opposition'</p> <p>A Surface Target – Loyal Opposition service involves providing a vessel to act as a target of interest for all exercise participants training / exercising in North Channel; Rathlin; Islay/Jura; Minches and the Sea of Hebrides.</p> <p>Tasks under this Line Item may be combined with other Tasks, to provide a target 'vessel of opportunity' for training submarines and surface warships in intelligence gathering, underwater looks and tracking exercises.</p> <p>This Task will be programmed, as far as possible, when the supporting Vessel is on transit to/from, but not prejudicial to Tasks 4.6.7 / 4.6.9 / 4.6.10 / 4.6.11; when utilised as a target of opportunity in such circumstances, the Contractor's recording of Vessel utilisation, shall be against the primary Task.</p>	<p>Maximum - 10 days</p> <p>Average - 10 Tasks per year (24 hours / per Task excluding passage).</p>	VICTORIA, NORTHERN RIVER	<p>In accordance with Task given 2 day's notice</p> <p>Not normally required 21 Dec to 4 Jan; last 2 weeks of Jul - week 2 Aug.</p>
4	6	7	<p>Submarine Parachute Assistance Group Continuity Training</p> <p>-The exercise will take place twice per year, alternating between Gibraltar and the UK coastal sea areas (normally in the vicinity of one of the Dockyard Ports).</p> <p>-The service shall be provided in up to and including Sea State 3 and provide:</p> <ul style="list-style-type: none"> the ability to embark up to 22 Authority Personnel (3 of which shall be embarked for the full duration of the Task and shall require Full 	<p>Maximum - 4 days (excluding passage) comprised of 2 x 2-day events a year.</p> <p>Average - 3</p>	VICTORIA, NORTHERN RIVER	In accordance with Task given 2 months' notice

			<p>Catering Support and accommodation in accordance with MCA requirements; the remaining personnel will not require accommodation or Full Catering Support. The provision of hot drinks by the Contractor will however be required)</p> <ul style="list-style-type: none"> • access to maritime VHF; • UHF radio communications; • 2 square metres of space internally within the platform to accommodate Authority provided communications equipment (weight 60kg) with access to the external areas for the positioning of antenna; and • ability to recover from the sea and stow 1 x 25-man liferaft, and 2 Platform Utility Boat (PUB) weight 1000kg each. 			
4	6	8	<p>Minelaying, Surveying & Recovery</p> <p>-A service to support the laying, recovery and survey of mine targets.</p> <p>-Authority provided ROV and associated support equipment for recovery/survey.</p> <p>-The service shall include the provision of Day Accommodation and Full Catering Support for up to a maximum of 10 RN mining and ROV personnel.</p> <p>-The service shall normally be provided in any UK Coastal Waters up to a maximum depth of 100m. When deploying the ROV, the service shall be capable of maintaining position to within 10 metres of the required datum for the duration of the Task. On one occasion in every 18 months the service shall be provided in depths of up to 200m, given 2 months notice.</p> <p>-The service shall be provided up to and including Sea State 4 and a speed of not less than 12 knots in Sea State 2.</p> <p>-The service asset shall have sufficient craneage and deck space to accommodate either: a maximum of 18 mine targets for laying, or, a maximum of 16 recovered mine targets. Maximum mine target footprint is 4sqm and maximum mass 1500kg.</p> <p>The short notice deployment service will be to mark the floating mine</p>	<p>Maximum – 63</p> <p>Normal Task duration 14 days for laying; 14 days for recovery.</p> <p>Maximum requirement based on 2 x ExJW/year + 7 days for contingencies & surveying.</p>	NORTHERN RIVER	<p>For mine-recovery / survey – to be available for fitting of the ROV given 5 Business Days notice. On completion fitting, the asset will proceed to Area of Operation</p>

			<p>target and to ensure the safety of navigation in its vicinity. In parallel, procedures undertaken by HMNB Clyde's EOD team will establish that the mine target is safe. When that has been achieved, the EOD team will instruct that recovery of the mine target can then proceed.</p> <p>-Durations for each Task include loading and unloading of equipment, currently ROV but may in the future include additional deployment equipment.</p> <p>-Maximum requirement includes, within recovery times, 3 short notice deployments, within Firth of Clyde area, for recovery of free floating mine targets that represent hazard to navigation.</p> <p>-The average time on Task daily will be from 0700 to 2100 (Daylight hours only).</p>			
4	6	9	<p>Support to JTEPS / Exercise Joint Warrior</p> <p>Individual Line Items at 9.1 – 9.5 below</p>	<p>Maximum total days for Support to Joint Warrior is 28 days (2 x 14 day exercises).</p> <p>All below Line Items are assumed to be covered under either or both of the standard 2-week JW exercises.</p>	<p>NORTHERN RIVER; however, VICTORIA could be used if available and suitable</p>	
4	6	9.1	<p>Tactical Development (TACDEV)</p> <p>A service providing a host platform to allow personnel to conduct or observe tactical development Tasks and a service to embark/disembark TACDEV personnel to from ships (and submarines) engaged in TACDEV Tasks.</p> <p>-The service shall be provided in the following exercise areas:</p>	<p>Maximum 14 days.</p> <p>Average 9 days.</p> <p>Support will be required in three Tasks, in two</p>	<p>NORTHERN RIVER</p>	<p>It is expected that each Task would be no more than three days' duration but might include the need to work</p>

			<ul style="list-style-type: none"> • Firth of Clyde; • North Channel; • Islay/Jura; • Minches. <p>-The service shall include the provision of Day Accommodation and Full Catering Support for up to a maximum of 6 embarked trials personnel.</p> <p>-The service shall be provided at a speed of at least 12 knots, in up to and including Sea State 5 and provide deck stowage for a maximum of 6 weapons.</p>	<p>defined periods during ExJW.</p> <p>One during a three-week window from Mar to Mid-May, the second during a three-week window from End Sep to Mid Nov (the two JWs). This three-week window covers the expected trials requirements of longer-term Carrier Strike Training.</p>		throughout the weekend.
4	6	9.3	<p>Electronic Warfare (EW) Support (TRACSVAN)</p> <p>Provision of a vessel to support live EW training to one or more ships underway. When utilised, a suitable platform will be provided to deploy specialist EW simulation equipment (TRACSVAN). JTEPS, on behalf of the Authority, will liaise with NATO JEWCS to arrange transportation, embarkation and disembarkation.</p> <p>TRACSVAN unit details are:</p> <ul style="list-style-type: none"> • 6.22 x 2.55 x 2.44 (L x W x H in metres). • Generator: 2.80 x 1.113 x 2.50 (L x W x H in metres). • Free space required: 0.61m on port side, 1.22m on starboard side, 1.17m fore & aft and 13.47 m above. • Weight: TRACSVAN 7300 kg, Generator 3000kg. 	<p>Maximum 28 days</p> <p>Delivered either by this line or by line 4.6.9.3.1 below (mutually exclusive).</p>	NORTHERN RIVER	

			<ul style="list-style-type: none"> Power requirements (contingency if generator is not use): 440V 50 or 60Hz, 3-phase, maximum 63 Amp. Accommodation and catering will be required for 5 x Authority Personnel (TRACSVAN operating team). 			
4	6	9.3.1	<p>EW Support</p> <p>Service to provide EW support to training. Nominally provided by NATO JEWCS' assets including, but not limited to, TRACSVAN, as in 9.3 above.</p> <p>In the event that these assets are unavailable, other sources of this training will be investigated.</p>	Quantity as above (4.6.9.3).	VICTORIA, NORTHERN RIVER	
4	6	9.4	<p>Boarding Training for ExJW</p> <p>Support to JTEPS operational boarding training and exercises. Such activities will involve up to 12 military personnel boarding by sea and air. The service will be required off the West and North Coasts of Scotland including a sea area of 100 miles radius from Butt of Lewis. The service will require the provision of a Vessel of at least 45 metres length.</p> <p>The Contractor Personnel shall "play-act" as part of the exercise, and will be briefed beforehand by the Authority.</p> <p>The Contractor shall use reasonable endeavours to ensure continuity of Contractor Personnel to minimise requirement for briefings.</p> <p>The service shall be provided in up to and including Sea State 4 and shall have a speed of 10 knots or more in Sea State 2.</p>	<p>Maximum - 18 days</p> <p>2 ExJWs per year;</p> <p>1 of 2 weeks' duration;</p> <p>1 ExJW may require a 3rd week for 1 x CSG certex per year.</p> <p>The third week to support CSG certex will require 4 full days (4th optional if training requirements are achieved).</p> <p>An average of 7 days in each ExJW deployment will be spent undertaking</p>	NORTHERN RIVER	To fully meet Task given 1 month's notice.

				the role of training vessel; in each day assume that up to 4 boarding exercises will be undertaken, each of up to 3 hours duration.		
4	6	9.5	<p>Support to FOST (JTEPS; FOST) - Launching & Recovery of Autonomous Targets/vehicles</p> <p>A service to support deployment and recovery of autonomous targets (air, underwater, surface) in exercise areas: (Clyde, North Channel, Minches, Sea of Hebrides, Open Ocean West of the Hebrides). The service shall be provided in up to and including Sea State 4, and shall have a speed of 12 knots or more in Sea State 2, and be capable of supporting the following :</p> <ul style="list-style-type: none"> -Surface targets of up to 7m x 2.2m x 2.4m. Launch capability (crane/davit) to hoist up to 1500Kg and launch. -Autonomous Underwater vehicles (AUV) 735kg (length 4.4 metres; diam 53 cms). Expected recovery method to involve static station keeping and davit-operated net-recovery system. -Uncrewed Aerial Vehicles (UAV), including UAV quadcopter (20kg) (operation will be vertical launch from deck with 'controller' hosted on board; launch and recovery will require a stable platform and line of sight to target vehicle air or surface). -Air targets dimensions and details shall be outlined in the Tasking request. 	Maximum - 18 days (6 Tasks/year; 3 days each) (excluding passage time) during ExJW.	NORTHERN RIVER	Not normally required 21 Dec to 4 Jan.

			-Accommodation of Authority Personnel acting as control / operation teams, up to x 6, for the respective system.			
4	6	10	<p>Data Gathering</p> <p>A service to allow up to 8 Authority Personnel and associated trials equipment to be embarked to support trials in UK, Gibraltar or Madeira sea areas. Assistance with installation of trials equipment is to be provided.</p> <p>The Contractor shall provide Full Catering Support and accommodation in accordance with MCA requirements for the trials crew.</p> <p>Full details of the technical requirements, space, power supplies and facilities to be provided are contained in document: Outline Requirements for JC026 Calibration Trial Consort Vessel.</p> <p>Trials equipment shall normally be embarked and disembarked from a UK port, with the trials crews from either Gibraltar or UK (if the trial is in UK waters).</p>	<p>Maximum - 42</p> <p>Normal requirement is 2 trials per year, each one of up to 21 days duration in Gib/Madeira/UK areas, including passage time from the UK.</p>	NORTHERN RIVER	<p>Maximum requirement (42) likely to be reduced as a result of second exercise per year taking place in UK waters (reduced transit time)</p>
4	6	11	<p>Submarine Escort</p> <p>A service to provide an escort (normally a close escort) to dived submarines, in accordance with BRd 9424(1) 0610, in the Northern Fleet exercise area (Area Definition: 54° 39.5' N 010° 45' W - 53° 40' N 010° 45' W - 53° 40' N 012° 00' W - 54° 10' N 012° 00' W).</p> <p>In the event that a submarine experiences difficulties whilst submerged the Contractor, on arrival at the submarine's datum, shall: serve as communications link between submarine and other stations; accept responsibility for commanding search and rescue operation, if</p>	<p>Maximum - 6 days</p> <p>Average - 1.5</p> <p>3 Tasks per year, each with a duration of 2 days</p>	NORTHERN RIVER with Fishing Vessel Safety Officer (FVSO) onboard	FVSO from FOST (Submarines)

		<p>responsibility has not been allocated to another vessel; assist in rescue of submariners.</p> <p>The service shall be provided in up to and including Sea State 6 and shall have a speed of 12 knots or more in Sea State 2.</p> <p>The service asset shall include the following:</p> <ul style="list-style-type: none"> • UHF communications; • fitted underwater telephone system capable of use when underway and making way; • carriage, deployment and recovery facilities for a rescue craft capable of carrying up to and including 10 rescued submariners; • storage for Authority supplied documentation e.g. BRd 9424(1) (Fleet operating Orders - FLOOs); ATP10C; RNCP1; & BR 3019; • capacity to stow and operate two ISO containers, containing a 2 chamber Compression Chamber (Type B - capacity 11 men) and its support equipment; • Sleeping accommodation and Full Catering Support for 20 personnel; • carriage for first reaction SUBMISS/SUBSUNK stores comprising: • 2 Chacons – L. 3.04m, W. 2.43m, H. 2.59m, Wt. 4.4 tonnes; • Containerised TMCC – L. 6.7m, W.2.74m, H.2.59m, Wt. 13.6 tonnes; and • Containerised TMCC Support Unit – L.3.04m, W.2.43m, H.2.43m, Wt. 9.0 tonnes. 			
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ADDITIONAL SERVICES							
4	6	12	Additional Services Additional Services that shall be requested under Clause 7 (Additional Services).	As Required	As Required	As Required	As Required