

DEFENCE MARINE SERVICES – NEXT GENERATION

STATEMENT OF REQUIREMENT

**THE SERVICES – SUPPLY AND MAINTENANCE OF AUTHORITY
MOORINGS, MARKERS AND TARGETS**

SCHEDULE 2

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PART 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 Schedule 4 (Payment, Performance and Incentivisation Mechanism).

BACKGROUND

2. 'Defence Marine Services – Next Generation' is a Navy Command Category A programme, consisting of four distinct procurements:
 - a. Contract 1: Support to In-Port Marine Services and Delivery of a Vessel Replacement Programme (Service Delivery Areas 1 to 3)
 - b. Contract 2: Inshore Support to Military Training, Testing and Evaluation (Service Delivery Areas 4, 5 and 7)
 - c. Contract 3: Supply and Maintenance of Authority Moorings, Markers and Targets (Service Delivery Area 8)
 - d. Contract 4: Offshore Support to Military Training and Exercises (Service Delivery Area 6).

THE SERVICES – SUPPLY AND MAINTENANCE OF AUTHORITY MOORINGS, MARKERS AND TARGETS REQUIREMENT – OVERVIEW OF THE SOR

3. For this Contract 3 (Supply and Maintenance of Authority Moorings, Markers and Targets), the Contractor shall provide the Services in Service Delivery Area (SDA) 8 which includes: responsibility for the Mooring Replacement Programme; updating the Authority Mooring Inventory; the Mooring Maintenance Programme; and the delivery of Moorings Materials (using established Authority supply chains) for use in the Ascension Islands and the Falkland Islands.

VESSEL ADMINISTRATION

4. Authority Vessel shall be commercially operated by the Contractor and owned by the Authority and be UK flagged and certified unless otherwise agreed in writing with the Authority.

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PART 2 – SDA 8

SUPPLY AND MAINTENANCE OF AUTHORITY MOORINGS, MARKERS AND TARGETS

INTRODUCTION

5. Service Delivery Area (SDA) 8 comprises the delivery of the Mooring Replacement Programme; updating the Authority's Mooring Inventory; the delivery of the Mooring Maintenance Programme; and the delivery of Moorings Materials (using established Authority supply chains) for use in the Ascension Islands and the Falkland Islands.
6. The Mooring Inventory consists of the Moorings, Target Moorings and Navigation Buoys (collectively known as Moorings) and Targets listed with their identity numbers (ID) as set out in the tables at Parts 3-7 of this SOR.

MOORING MAINTENANCE PROGRAMME (MMP)

7. The Contractor shall deliver a MMP approved by the Authority. The MMP must account for the Mooring Inventory items listed in Parts 3, 4, 5 and Part 6A of this SOR.
8. The Authority shall advise the Contractor of any required Changes to the Mooring Inventory; any such Changes shall be managed in accordance with the Change Control Procedure.
9. With effect from the second Contract Year, the Mooring Maintenance Programme shall be prepared by the Contractor at the start of each Contract Year and submitted for approval by the Authority in accordance with Schedule 6 (Governance, Management Information, Reports, Records and Audit).
10. The Contractor shall ensure that the Mooring Maintenance Programme is sufficiently flexible to respond to short notice changes, provided that any such changes must be agreed in writing between the Parties. The Change Control Procedure will not apply to such short notice changes.

PROVISION OF MOORING MATERIALS ONLY TO FALKLANDS ISLANDS AND ASCENSION ISLANDS

11. The Contractor shall be responsible for the provision of Mooring Materials for all Moorings including for supply to the Falklands Islands and Ascension Islands Moorings listed in the Mooring Inventory in Part 6B. The Contractor is not required to maintain any Moorings listed in the Mooring Inventory for the Falklands and Ascension Islands, but the Contractor shall be responsible for ensuring that the Mooring Materials to be supplied to the Falklands and Ascension Islands are delivered to the Designated Port at the agreed time. The Contractor's obligation to delivery such Mooring Materials shall be subject to the following:

- a. 6 months' prior notice from the Authority for standard Mooring Materials (being those Mooring Materials which are either: (i) Commercially-available Off-The-Shelf Item; or (ii) derive from a design included in the MOD Mooring Manual); or
- b. 8 months' prior notice (or such shorter notice period as is agreed between the Parties at the time) from the Authority for non-standard Mooring Materials (being those Mooring Materials not subject to paragraph 11a.) above).

MOORING REPLACEMENT PROGRAMME (MRP)

13. The Contractor shall be responsible for the replacement (which shall include the design, construction and installation) of Moorings which are included in Table 1 of Part 7 of this SOR.
14. The timeline for replacement of Moorings shall be based on a minimum of the replacement of 2 Moorings/year. Moorings and Navigation Buoys are to be replaced in priority order (as defined in Part 7 of this SOR) as follows:
 - a. Priority 1 – to be replaced within 3 years of Service Commencement Date;
 - b. Priority 2 – to be replaced within 5 years of Service Commencement Date; and
 - c. Priority 3 and 4 – to be replaced by no later than the date which falls six months before the Expiry Date, noting that the schedule for the replacement of 12 Navigation Buoys shall be carried out concurrently with the replacement of the Priority 3 and 4 Moorings.

AKROTIRI TANKER MOORING REPLACEMENT OPTION

15. The Contractor acknowledges and accepts that the Authority may wish to exercise the Akrotiri Tanker Mooring Replacement Option (as described in Table 2 of Part 7 of this SOR) at any time during the Contract Term. If the Authority wishes to exercise this option then it shall request such replacement as an Additional Service via the Change Control Procedure with a minimum of ten (10) months' notice (or such other period as agreed between the Parties in writing). The Parties agree that such replacement shall be carried out in accordance with the MOD Mooring Manual and priced in accordance with the option pricing as described in Schedule 19 (Change Control Procedure), unless agreed otherwise in writing by the Parties at the time.

Redacted under FOIA section 23: Security Bodies and Section 24: National Security

MOD MOORING MANUAL

16. The Authority is the owner of the MOD Mooring Manual. The MOD Mooring Manual sets out the requirements and guidance which apply to the Moorings and Targets to be accepted, managed and maintained under this Contract. Fig 1-1 (Mooring Acceptance Flow Chart) sets out the process to be followed by the Parties in relation to the design,

construction and acceptance of new Moorings and Targets. The standard of certification for Mooring Materials (mooring chain, cast and forged steel and associated materials) is set out in the MOD Mooring Manual. The construction of each Mooring shall be equivalent to the standard set out in the MOD Mooring Manual.

DIVING ASSURANCE

17. All diving operations, within the United Kingdom, and all associated diving personnel including Sub-contractor personnel, shall be compliant with the Diving At Work Regulations 1997 ("DWR97") and appropriate Health & Safety Executive (HSE) Approved Code of Practice and guidance relevant to the nature of the diving project. For overseas, Authority contracted diving operations shall comply with the laws of host states, where they apply, and in circumstances where such requirements fall short of DW97 shall apply UK standards as far as it is reasonably practicable to do so. This shall include but not be limited to the requirement that:
 - a. The Contractor shall provide an evidenced demonstration to the client identified to the Contractor by the Authority (the "Client") that they have satisfied themselves that their diving contractor has discharged its duties under the DWR97 and is suitability qualified and experienced to undertake activities under the Contract;
 - b. The Client reserves the right to independently satisfy itself of the Contractor's or diving contractor's suitability.
 - c. Prior to commencement of any diving activity, the Contractor shall provide a detailed Diving Project Plan, and Risk Assessment to the CRO Project Manager or their authorised representative.
18. The Contractor shall conduct all associated diving activities in executing installation, maintenance and removal of moorings, Aids to Navigation or targets in compliance with the DWR 97.
19. The Contractor acknowledges that the Authority intends to maintain its own assurance framework for diving operations in accordance with DMS SEMS (Diving). This aims to ensure compliance with both the DWR 97 and DSA02-800.
20. The Authority reserves the right to conduct audits on the Contractors' diving teams and activities or subcontracted diving contractors given reasonable notice to ensure compliance with relevant standards.
21. All diving operations are to be notified to the Authority before commencement and carried out with the full knowledge of affected stakeholders.
22. The Contractor is to enact and maintain a Diving Safety Management System. The contractor will ensure that any divers employed are properly certified to undertake the expected type of diving work and hold a valid medical certification.
23. The Contractor shall notify The Authority in advance if it wishes to engage the use of Third Party/external commercial diving services. Any such contracted services are to

be suitably compliant to the same DWR 97 requirements irrespective of the location or local requirements of the expected diving operation.

EQUIPMENT AUTHORITY AND DESIGN AUTHORITY

24. In accordance with the MOD Mooring Manual, the Contractor shall act as the Equipment Authority (EA) for the Mooring Inventory and as such, shall be responsible and accountable for the health, safety and environmental assurance of the design, installation and through life support of the Mooring Inventory, and as EA will have the following specific responsibilities:
- a. Certifying that Moorings and Targets are 'safe to operate' and Fit For Purpose: The EA may delegate this function but remains responsible for it as the EA. Any delegation shall be subject to the prior written approval of the Authority.
 - b. Obtaining the services of a Design Authority (DA): The Contractor shall always ensure that Mooring and Target designs comply with the requirement of the MOD Mooring Manual. The EA is responsible for ensuring the DA function is delivered by an organisation that is competent and adequately resourced. This DA function may be delegated by the Contractor but the Contractor remains responsible for it as the EA.
 - c. Providing assurance to the Authority and/or any Entitled Customer that adequate steps have been taken to ensure that all Moorings and Targets have been inspected, maintained, designed and installed correctly (provision of design assurance, product assurance, Safety and Environmental Case, development and certification).
 - d. Providing component assurance including but not limited to arranging as for tests and inspections of Mooring Materials and certificates submitted as required by a member of the International Association of Classification Societies (IACS) such as Lloyd's Register. All chain cable and associated equipment shall be covered by a full statutory certificate issued by a UK recognised classification society such as Lloyd's Register. The statutory certificate is to accompany the relevant chain cable and associated equipment upon delivery from the manufacturer to the consignee. If Lloyd's Register is not used, the Contractor must inform the Authority of the alternative and gain approval to use such alternative from the Authority in writing.
 - e. Reviews of the MOD Mooring Manual: The Contractor shall ensure that, no earlier than the fifth anniversary of the Service Commencement Date and no later than the sixth anniversary of the Service Commencement Date, (or more frequent if required by the Authority) reviews of the MOD Mooring Manual are conducted by a UK recognised classification society. Any updates to the MOD Mooring Manual proposed by the UK recognised classification society, and approved in accordance with the Change Control Procedure, shall be uploaded to the Shared Data Environment by the Contractor.

25. The Contractor shall conduct annual reviews of the MOD Mooring Manual in accordance with Clause 28.5 (Change) of the Contract. Following such review, the Contractor shall propose any updates to the MOD Mooring Manual it deems necessary, including a review of all content, a check of the referenced standards and the opportunity to address obsolescence.

SOR TABLE - LINE ITEM COLUMN HEADINGS

The SOR table contains the following information in relation to the Services:

| Column Heading | Description |
|---------------------------------------|---|
| 1. Contract | Contract number 3 – Supply and Maintenance of Moorings, Markers and Targets |
| 2. Service Delivery Area (SDA) | Service Delivery Area (SDA) 8 - responsibility for delivery of the Mooring Replacement Programme, updating the Mooring Inventory, delivery of the Mooring Maintenance Programme and the delivery of Mooring Materials (using established Authority supply chains) for use in the Ascension Islands and the Falkland Islands. |
| 3. Line Number | A unique reference number for each line item. |
| 4. Line Item Description | The description of the service output required, which includes: <ul style="list-style-type: none"> • Vessel and service capability requirements; • operational parameters (sea state); • programming information; • geographical areas; • chart numbers other key references; and • concurrency requirements. |
| 5. Quantity | The agreed quantity to be completed under each Line Item Description. |
| 6. Remarks | Any pertinent remarks |
| | |

Table 1.2 – SOR Table – Line Item Column HEADING

STATEMENT OF REQUIREMENT TABLE

| Contract | SDA | Line Number | Line Item Description | Quantity | Remarks |
|--|-----|-------------|--|---|---|
| SOR (Technical) Section 3.8-Moorings, Navigation Buoys and Targets | | | | | |
| 3 | 8 | 1 | <p>Authority Moorings UK A UK Moorings and Targets service shall be provided, encompassing all of the following elements.</p> | The total of the following items. | |
| 3 | 8 | 1.1 | <p>Maintenance Provide and maintain Moorings at the locations identified in the Mooring Inventory, in accordance with the Standards, in particular the MOD Mooring Manual.</p> | All locations identified in the Mooring Inventory as UK Moorings or UK Target Moorings (Part 3 and Part 4). | Moorings shall remain as Fit For Purpose. Any relevant replacement material components shall be certified to an Authority agreed Standard. |

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|---|---|-------|--|---|---|
| 3 | 8 | 1.2 | <p>Replacement Moorings and Navigation Buoys</p> <ul style="list-style-type: none"> - Design, manufacture and install replacement Moorings at the locations identified in Table 1 of Part 7 of this SOR in accordance with the MOD Mooring Manual and the MRP. <p>-Installation of replacement Moorings is to be to in accordance with the Standards and certified by a UK recognised classification society. The Moorings Acceptance Process shall be followed in full for each replacement Mooring.</p> <p>-12 of the IDs listed are Navigation Buoys which shall be replaced by telemetry capable buoys to enable remote monitoring of the operational characteristics of the designated buoys.</p> | All IDs identified in Part 7. | Replacement in accordance with order of priority set out in Part 7; schedule as set out in the MRP. |
| 3 | 8 | 1.2.1 | <p>Replacement Moorings – Akrotiri Tanker Moorings</p> <ul style="list-style-type: none"> - Design, manufacture and install replacement Moorings at the locations identified in Table 2 of Part 7 of this SOR in accordance with the MOD Mooring Manual. <p>-Installation of replacement Moorings is to be to in accordance with the Standards and certified by a UK recognised classification society. The Moorings Acceptance Process shall be followed in full for each replacement Mooring.</p> | Redacted under FOIA section 23: Security Bodies and Section 24: National Security | To be priced in accordance with FIN02/Financial Model. |

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| | | | The price agreed between the Contractor and the Authority for this line item is contained in the Fin 02 (Road B) of the FIN02. | | |
| 3 | 8 | 2 | <p>Maintenance of Targets and Target Moorings in UK</p> <p>Maintain the Targets & Target Moorings listed in the Mooring Inventory in Part 4.</p> <p>When instructed by the Authority's Representative to bring a Target Mooring ashore, the Contractor shall liaise with the Authority's Explosives Ordnance Disposal team (EOD team) to arrange for the Target Mooring to be examined for/cleared of ordnance by the EOD team prior to repair.</p> <p>Disposal of any unwanted Target Moorings material/debris shall be disposed of in accordance with MARPOL and local waste disposal legislation.</p> | At each station identified in the Mooring Inventory (Part 4). | Targets and Target Moorings shall remain Fit For Purpose. |
| 3 | 8 | 3 | <p>Authority Navigation Buoys UK</p> <p>A UK Navigation Buoys service shall be provided, encompassing all the following elements.</p> | The total of the following items listed below. | |

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| 3 | 8 | 3.1 | <p>Maintenance of UK Navigation Buoys Maintain Navigation Buoys to International Association of Lighthouse Authorities (IALA) Maritime Buoyage System standards.</p> | <p>At each station identified in the Mooring Inventory (Table 1 of Part 5)</p> | <p>Navigation Buoys shall remain Fit For Purpose. Performance measured in accordance with IALA performance category standards.</p> |
| 3 | 8 | 3.2 | <p>Maintenance of the 'Sunk Head Tower' to International Association of Lighthouse Authorities (IALA) Maritime Buoyage System standards.</p> <p>For the purposes of the 'Sunk Head Tower' Navigation Buoy (ID: X603) only, the Contractor acknowledges and accepts that maintenance or rectification works to such Navigation Buoy shall be undertaken by the Corporation of Trinity House under a pre-existing commercial arrangement with the Corporation of Trinity House (and a copy of the existing documentation has been provided to the Contractor), and the Contractor shall be responsible for paying the Corporation of Trinity House under the terms of such arrangement. Payment to the Contractor for this Line Item shall be dealt with under Schedule 4 (Payment, Performance and Incentivisation Mechanism).</p> | <p>At the station identified in the Mooring Inventory (Table 2 of Part 5)</p> | <p>Navigation Buoy shall remain Fit For Purpose. Performance measured in accordance with IALA performance category standards</p> |
| 3 | 8 | 4 | <p>Authority Non-UK A non-UK Moorings, Targets and Navigation Buoys</p> | <p>The total of the following items 4.1 to 4.3 inclusive .</p> | |

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| | | | service shall be provided, encompassing all the following elements. | | |
| 3 | 8 | 4.1 | <p>Maintenance of Authority Navigation Buoy (Mooring) in Gibraltar</p> <p>Maintain Navigation Buoy (Redacted under FOIA section 23: Security Bodies and Section 24: National Security) listed in Part 6A to International Association of Lighthouse Authorities (IALA). Maritime Buoyage System standards.</p> | Redacted under FOIA section 23: Security Bodies and Section 24: National Security | Moorings shall remain Fit for Purpose. In accordance with IALA performance category standards |
| 3 | 8 | 4.2 | <p>Maintenance of Moorings in Cyprus</p> <p>Maintain Moorings at the locations identified in the Mooring Inventory, in accordance with the Standards. Maintain Navigation Buoys to International Association of Lighthouse Authorities (IALA) Maritime Buoyage System standards.</p> | All Moorings at Cyprus identified in the Mooring Inventory (Part 6A). | All Moorings shall remain Fit for Purpose. In accordance with IALA performance category standards |
| 3 | 8 | 4.3 | <p>Provision of Mooring Materials for Moorings and Navigation Buoys in the Falklands Islands and Ascension Islands</p> <p>Provide Mooring Materials only for the items listed in Part 6B of the Mooring Inventory in this Statement of Requirement. All Mooring Materials shall be certified in accordance with the MOD Mooring Manual.</p> <p>The Contractor is not required to maintain any Moorings, Navigation Buoys or Targets listed in Part 6B of the</p> | Replacement items for each station identified as such in the Mooring Inventory (Part 6B). | Mooring Materials to be delivered to the Designated Port from the UK, subject to 6 months' prior notice by the Authority |

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| | | | Mooring Inventory in this Statement of Requirement in relation to the Falklands and Ascension Islands. | | |
| 3 | 8 | 4.4 | <p>Akrotiri Tanker Moorings – additional inspections</p> <p>The Akrotiri Tanker Mooring Redacted under FOIA section 23: Security Bodies and Section 24: National Security shall be inspected by the Contractor:</p> <p>Redacted under FOIA section 23: Security Bodies and Section 24: National Security</p> <p>and, at each inspection, the Contractor shall confirm whether the Mooring system is free from defects and Fit for Purpose. The Contractor acknowledges and accepts that these inspections shall be carried out in addition to the annual maintenance visit detailed in the MOD Mooring Manual.</p> | | |
| 3 | 8 | 5 | <p>Storage and maintenance of four (4) emergency wreck marks, ready for immediate deployment</p> <p>(Based on 10 ft Trinity Buoy)</p> | | Note that this requirement is limited to the storage and maintenance of the wreck markers only. The emergency deployment of such wreck markers may be |

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| | | | | | requested as an Additional Service via the Change Control Procedure if required by the Authority. |
| 3 | 8 | 6 | Removal of Mooring Materials from the sea bed which may be hazardous to navigation/environment | Up to 3 tasks per Contract Year on average, maximum task duration of five (5)days. Any further tasks will be requested by the Authority as an Additional Service via the Change Control Procedure. | Ad hoc tasking following discovery of hazard if/when required. Scheduling to be agreed with Authority. |

PART 3 - UK MOORINGS INVENTORY

Redacted under FOIA section 23: Security Bodies and Section 24: National Security

PART 4 - UK TARGETS AND TARGET MOORINGS INVENTORY

Redacted under FOIA section 23: Security Bodies and Section 24: National Security

PART 5 - UK NAVIGATION BUOYS INVENTORY

Table 1 of Part 5: Navigation Buoys in the Mooring Maintenance Programme

Redacted under FOIA section 23: Security Bodies and Section 24: National Security

Table 2 of Part 5: Other Navigation Buoys maintained by separate arrangement

Redacted under FOIA section 23: Security Bodies and Section 24: National Security

PART 6A - FOREIGN MOORINGS, NAVIGATION BUOYS & TARGETS INVENTORY

Redacted under FOIA section 23: Security Bodies and Section 24: National Security

**PART 6B – FOREIGN MOORINGS NAVIGATION BUOYS & TARGETS INVENTORY –
PROVISION OF MOORING MATERIALS ONLY**

Redacted under FOIA section 23: Security Bodies and Section 24: National Security

PART 7 – REPLACEMENTS UNDER THE MOORING REPLACEMENT PROGRAMME

Table 1 of Part 7: Replacements under the Mooring Replacement Programme

Redacted under FOIA section 23: Security Bodies and Section 24: National Security

Table 2 of Part 7: Optional additional replacement Moorings

Redacted under FOIA section 23: Security Bodies and Section 24: National Security

PART 8 – CRITICAL MOORINGS

Redacted under FOIA section 23: Security Bodies and Section 24: National Security