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28 September 2023

Dear Sir / Madam

**Invitation to Tender Reference** **709213452**

1. Royal Navy, as part of Ministry of Defence are running a further tender competition for Albatross Evolve Hardware, under Crown Commercial Services framework RM6068 Lot 2. You are invited to tender in accordance with the attached documentation.
2. The [Statement of Requirements/Specification](#Specification) details what is required.
3. The Pricing Table details what prices are required. The total budget is £5,600,000.00 (excluding VAT).
4. Tenders will be evaluated in accordance with the [Tender Evaluation Criteria](#Evaluation). This details how tenders will be assessed, scored and compared, including assessment of the Commercial, Financial and Technical responses in all submitted tenders.
5. The resulting contract will be based on the framework Terms & Conditions, including the Draft Order Form. As this is not a negotiated procurement, the Terms & Conditions cannot be amended following contract award.
6. You may raise questions about the tender and the requirement via the CCS eSourcing Suite. The deadline for asking questions is 3 October 2023. Please note that any questions raised, and the answers provided, may be shared with other interested suppliers. Any questions about the Terms & Conditions must be raised during this period, as the terms cannot be amended following contract award.
7. You must submit your Tender via the CCS eSourcing Suite by 23:59 on 10 October 2023. You should allow sufficient time for submission as late tenders will not be accepted. Tender responses should answer all evaluation questions, include all completed documents and provide all requested prices.
8. The following documentation should be submitted:

* A Tenderers Response Form providing answers to all evaluation questions, the prices and signed documents.
* A completed Pricing Table.
* A copy of the email confirming the Cyber Risk level has been met.

1. The anticipated date for the contract award decision is 13 October 2023. Please note that this is an indicative date and may change.

Yours faithfully

**Lee Culshaw**

Senior Commercial Manager

**Contents**

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* Invitation to Tender:

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* Draft Framework Call Off Order Form
* Framework Call Off Terms & Conditions and Schedules (per CCS webpage)
* Cyber Risk Assessment

1. **Glossary**

|  |  |
| --- | --- |
| Agent | means Crown Commercial Service |
| Authority or Contracting Authority | means the Secretary of State for Defence of the United Kingdom of Great Britain and Northern Ireland, (referred to in this document as "the Authority"), acting as part of the Crown – also known as Ministry of Defence |
| Contract | means the contractually-binding terms and conditions set out in this ITT to be entered into between the Authority and the successful Tenderer at the conclusion of this Procurement; |
| eSourcing Suite | means the online tender management and administration system used by the Authority; |
| Evaluation Score | means the score achieved by a Tender at the conclusion of the Evaluation process; |
| Regulations | means the Public Contracts Regulations 2015 (<http://www.legislation.gov.uk/uksi/2015/102/contents/made> |
| Services | means the deliverables (goods and/or services) that may be provided by Suppliers, as set out in the Statement of Requirements/Specification; |
| Technical Evaluation | means the qualitative evaluation of a Tender undertaken during the Evaluation process; |
| Technical Score | means the score awarded to a Tenderer at the conclusion of the Technical Evaluation process; |
| Tender or Bid | means the Tenderer’s formal offer in response to the Invitation to Tender; |
| Tender Submission Deadline | means the time and date set for the latest uploading of Tenders. |
| Tenderer or Supplier | means a framework supplier submitting a proposal to this Procurement; |
| You or Your | means mean the tenderers organisation, or the organisation the tenderers represent |
| We, Us or Ours | means the Authority or Ministry of Defence |

1. **Introduction**
   1. This Procurement will establish a contract for the purchase of Services described in the Statement of Requirements/Specification.
   2. The resulting Contract will be for 1 year.
   3. The maximum contract value is £5,600,000.00.
   4. This resulting Contract will be between the successful Supplier and the Authority.
   5. This tender is being conducted under the Crown Commercial Service Technology Products & Associated Services Framework Agreement (reference RM6068 – Lot 2) and it’s Terms and Conditions will govern any resultant Contract.
   6. Only those suppliers on the stated framework and lot can submit a tender in response to this requirement.
   7. The Authority is managing this Procurement in accordance with the Public Contracts Regulations 2015.

1. **Terms of Participation**
   1. You must comply with the rules in this Bid Pack and any other instructions given by us. You must also ensure members of your consortium (if relevant), group companies, subcontractors or advisers comply.
   2. You may Submit one bid.
   3. Your bid must remain valid for 90 days after the bid submission deadline.
   4. You must submit your bid in English and through the eSourcing Suite only.
   5. You are able to bid with named subcontractors to deliver parts of the requirements. You must tell us about any changes to subcontractors or you may be excluded from this competition.
   6. We may make enquiries. For example, where you either submit a bid:

* In your own name and or as a subcontractor and or as a member of a consortium connected with a separate bid.
* In your own name which is similar to a separate bid from another bidder within your group of companies.

This is so we can be sure that your involvement doesn’t cause:

* Potential or actual conflicts of interest.
* Supplier capacity problems.
* Restrictions or distortions in competition.
  1. We may require you to amend or withdraw all or part of your bid if, in our reasonable opinion, any of the above issues have arisen or may arise.
  2. Only you or, as applicable, your subcontractors (as set out in your bid) or consortium members (if relevant) can provide services through the contract.
  3. You must not attempt to influence the contract award process. For example, you must not ever directly or indirectly:
* Collude with others over the content and submission of bids. However, you may work in good faith with a proposed partner, supplier, consortium member (if relevant) or provider of finance.
* Canvass our staff or advisors about this competition.
* Try to get information from any of our and/or Contracting Authority staff or advisors about another bidder or bid.
  1. You must ensure that no conflicts of interest exist between you and us / Contracting Authority. If you do not tell us about a known conflict, we may exclude you from the competition. We may also exclude you if a conflict cannot be dealt with in any other way.
  2. You must keep the contents of this Bid Pack confidential (including the fact that you have received it). This obligation does not apply to anything you have to do to submit a bid or comply with a legal obligation.
  3. You must not publicise the deliverables or the award of any contract unless the Contracting Authority has given written consent. For example, you are not allowed to make statements to the media about any bid or its contents.
  4. We reserve the right to:
* Waive or change the requirements of this Bid Pack without notice.
* Verify information, seek clarification or require evidence or further information about your bid
* Withdraw this Bid Pack at any time, or re-invite bids on the same or alternative basis.
* Choose not to award any contract or Lot as a result of the competition.
* Choose to award different Lots at different times.
* Make any changes to the timetable, structure or content of the competition.
  1. We reserve the right to exclude you if:
* You submit a non-compliant bid.
* Your bid contains false or misleading information.
* You fail to tell us of any change in the contracting arrangements between bid submission and award.
* You fix or adjust any element of the Tender by agreement or arrangement with any other person.
* The change in the contracting arrangements would result in a breach of procurement law.
* For any other reason provided in this Bid Pack.
* For any reason set out in the Public Contracts Regulations 2015.
  1. If a misrepresentation by you induces the Contracting Authority to enter into a contract with you, you may be excluded from bidding for contracts for three years, under regulation 57(8)(h)(i) of the PCR 2015 or sued by the Contracting Authority for damages, the Contracting Authority may rescind the contract under the Misrepresentation Act 1967.
  2. If fraud, or fraudulent intent, can be proved, you may be prosecuted and convicted of the offence of fraud by false representation under s.2 of the Fraud Act 2006, which can carry a sentence of up to 10 years or a fine (or both).
  3. If there is a conviction, then your organisation must be excluded from procurement for five years under reg. 57(1) of the PCR 2015 (subject to self-cleaning).
  4. We will not pay your bid costs for any reason.
  5. The Contracting Authority will not be liable:
* Where parts of the Bid Pack are not accurate, adequate or complete.
* For any written or verbal communications.
  1. You must carry out your own due diligence and rely on your own enquiries.
  2. This Bid Pack is not a commitment by the Contracting Authority to enter into a contract.
  3. The Bid Pack remains our property. You must use the Bid Pack only for this competition.
  4. You allow us to copy, amend and reproduce your bid so we can:
* Run the competition.
* Comply with law and guidance.
* Carry out our business.
  1. Our advisors, subcontractors and other government bodies can use your bid for the same purposes.
  2. We will not share any information from your bid which you have identified as being confidential or commercially sensitive with third parties, other than stakeholders in the competition. We may however share this information, but only in line with the Regulations, the Freedom of Information Act 2000 (FOIA) or any other law as applicable.

1. **Further Competition Timetable**
   1. The timetable below are intended timelines but, for a range of reasons, dates can change. We will tell you if and when timelines change.

|  |  |  |  |
| --- | --- | --- | --- |
| **Stage** | **Date and Time** | **Responsibility** | **Submit to:** |
| Invitation to Tenderers Conference | Not Applicable to this procurement |  |  |
| Date for confirmation of attendance at Tenderers Conference | Not Applicable to this procurement |  |  |
| Final date for  Clarification Questions | 3 October 2023 | Tenderers | CCS eSourcing Suite |
| Final Date for Requests for Extension to return date | 3 October 2023 | Tenderers | CCS eSourcing Suite |
| Authority issues Final Clarification Answers | 5 October 2023 | Authority | All Tenderers |
| Tender Return | 10 October 2023 | Tenderers | CCS eSourcing Suite |
| Tender Evaluation Commences | 11 October 2023 | Authority | N/A |

1. **Completing and Submitting a Tender**
   1. To participate in this competitive tendering exercise, Tenderers are required to submit a Tender which fully complies with the instructions in this Bid Pack.
   2. Your bid must be made by the organisation that will be responsible for providing the deliverables if your bid is successful.
   3. You must enter your bid into the e-Sourcing Suite. Only bids received through the e-Sourcing Suite will be accepted.
   4. Make sure you answer every question. Each question must be answered in its own right. You must not answer any of the questions by cross referencing other questions or other materials e.g. reports located on your website.
   5. Tenderers are strongly advised to read through all documentation first to ensure they understand how to submit a fully compliant Tender.
   6. It is the Tenderer’s responsibility to ensure that a fully compliant Tender is submitted.
   7. Tenderers must ensure that they are using the latest versions of this document, as the documentation may be updated from time to time.
   8. For technical guidance on how to complete questions and text fields, and how to upload any requested attachments please see CCS Supplier Guidance <https://crowncommercialservice.bravosolution.co.uk/web/login.html>
   9. Should any exclusions, assumptions, dependencies or caveats apply to your Tender or any of the goods and/or services that you would provide when delivering the requirements, these should be clearly indicated in the relevant areas of the Tender.

* 1. Submit your bid before the Bid Submission Deadline.
  2. Press the Submit Response button when your bid is ready, otherwise we will not be able to see it.

1. **Questions and Clarifications**
   1. If you have any questions you need to ask them as soon as possible after the procurement event is published as there is a deadline for submitting clarifications questions. This gives you the chance to check that you understand everything before you submit your bid.
   2. You need to send your questions through the eSourcing Suite. This is the only way we can communicate with bidders. Ensure your question is specific and clear and does not include your identity. This is because we publish all the questions and our responses to all bidders.
   3. If you feel that a particular question should not be published, you must tell us why when you ask the question. We will decide whether or not to publish the question and response.
   4. You can ask us questions about the competition but please do not attempt to ‘negotiate’ the terms. All contract awards will be subject to the terms and conditions identified in this Tender.
   5. The Authority reserves the right to contact Tenderers at any time for clarification on all or any part of their Tender during this Procurement and which is likely to require a prompt response.
2. **Tender Evaluation Summary**
   1. The Tender evaluation will assess the Most Economically Advantageous Tender (MEAT) to The Authority based on the following calculation:

Highest Total Evaluation Score from the following evaluation elements:

Commercial Qualification – Pass/Fail only and not included in the total Evaluation Score.

Financial Price Score – Worth 50% of the total Evaluation Score.

Technical Quality Score – Worth 50% of the total Evaluation Score.

* 1. The Technical Score will be added to the Financial Score to determine the “Evaluation Score” for each Tenderer. This will be calculated on a Technical/Financial split of 50%/50%.

*Example calculation, for information purposes only and based on financial score worth 50% and Technical score worth 50% - figures for this procurement may differ.*

*In this example, Tenderer B has the highest total evaluation score and is the winning tenderer.*

|  |  |  |  |
| --- | --- | --- | --- |
| *Tenderer* | *Technical Score*  *(maximum 50)* | *Financial Score*  *(maximum 50)* | *Evaluation Score*  *(maximum 100)* |
| *Tenderer A* | *35* | *50* | *85* |
| *Tenderer B* | *45* | *45* | *90* |
| *Tenderer C* | *40* | *25* | *65* |

* 1. Any Tender which is considered non-compliant for any Commercial, Financial or Technical element or criteria will be excluded from the competition and not receive an Evaluation Score. If a tender is considered non-compliant in either the Commercial or Financial evaluations that tender may be excluded from the Technical evaluations and not receive any Technical scores or feedback.
  2. Scores will be rounded to two decimal places.
  3. In the event that multiple Tenderers achieve the exact same highest Evaluation Score, then the Tenderer with the lowest Total Price will be considered to be the Winning Tenderer. In the event that multiple Tenderers achieve the exact same highest Evaluation Score and have the exact same lowest Total Price, then The Authority reserves the right to request those, and only those, Tenderers to submit final and best Total Prices, with the lowest final and best Total Price considered to be the Winning Tenderer.
  4. Tenderers must provide relevant answers and all requested documentation in response to all commercial qualification, financial and technical criteria/questions. Responses should remain as concise as possible and any supporting information should be relevant to the response.
  5. Tenders will be evaluated based on the contents of their Tender response only. Tenderers should submit only one priced proposal. Technical Evaluation will be undertaken independently from Commercial and Financial Evaluations. Technical evaluators will have no knowledge of associated prices. Tenderers should ensure that there are no prices shown within any responses to, or supporting documents for, for technical criteria.

1. **Commercial Qualification Evaluation Criteria**
   1. The Commercial Qualification Evaluation will assess if all tendering and contractual requirements have been provided.
   2. A Tender will be considered non-compliant if:

* the Tender was not received by the due date and time.
* the full set of requirements cannot be delivered.
* any required delivery dates cannot be met.
* all Framework Terms & Conditions and have not been accepted.
* all required MOD Terms & Conditions and have not been accepted.
* any other required documentation was not submitted.
* any prices have been included in the technical responses and this is considered to have affected the evaluation process.
  1. The Authority reserves the right to undertake due diligence checks and/or financial health checks of Tenderers as part of the Commercial Evaluation. If any of these checks raises concerns around the Tenderer or If a Parent Company or Bank guarantee is requested and is not provided, The Authority will consider the Tenderer non-compliant. If these checks are undertaken on the Winning Supplier during the standstill period prior to formal contract award, the Authority reserves the right to award the Contract to the next best placed Supplier or to cancel or re-run the procurement.

1. **Financial Price Evaluation Criteria**
   1. Tenderers are required to complete the Pricing Table.
   2. The Financial Evaluation will assess the Total Price the Tenderer has offered to deliver all the requirements set out in the Statement of Requirements/Specification.

* 1. Prices should be provided for each item listed in the Pricing Table. This shall be the total maximum cost for the provision of all goods and/or services listed, as detailed in the Statement of Requirement, for the quantities quoted and for the full maximum duration of the requirement, including any optional goods/services and/or periods. All prices submitted must be excluding VAT.
  2. The Total Price figure that will be used in the evaluation of Tenders shall be the total figure that is calculated from the prices Tenderers have provided for each item listed in the Pricing Table for the full maximum duration of the requirement, including any optional goods/services and periods.
  3. Tenderers are notified that when the contract is in place, payments for goods and/or services will be made after the goods and/or services have been fully delivered. For example, payment for purchase of an item will be made after it has been delivered and installed or payment for annual maintenance of a piece of equipment will be made at the end of the contract year during which the maintenance was undertaken.
  4. Where estimated Authority usage figures are shown on the Schedule of Requirements, the Total Price figure shall not be a guarantee of quantities required or payments to be made under any resulting Contract.
  5. A Tender will be considered non-compliant if:
* the Total Price is greater than the total available funding of £5,600,000.
* Annex A shows an incorrect Total Price as the Total Price calculation is above the available funding.
* the Tender does not indicate a Total Price.
* the Tender has not provided prices for all items in the Schedule of Requirements/Pricing Table.
* the Tender requires the Authority to provide additional resource (other than any identified in the Statement of Requirements), therefore the pricing does not cover all requirements.
  1. The Tenderer with the lowest total price (provided the tender is fully compliant) shall be awarded the maximum Financial Score available. The remaining Tenderers shall be awarded a percentage of the maximum Financial Score available, based on their price relative to the lowest price submitted.
  2. The calculation used is the following:

Lowest Price from a compliant Tender x maximum Financial Score available

Tenderers price

*Example calculation, for information purposes only and based on maximum Financial score of 50% and Technical score of 50% - figures for this procurement may differ.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tenderer*** | ***Price Submitted*** | ***Score Calculation*** | ***Maximum Score Available*** | ***Financial Score Awarded*** |
| *Tenderer A* | *£1,000* | *(£1,000 / £1,000) x 50* | *50* | *50* |
| *Tenderer B* | *£1,100* | *(£1,000 / £1,100) x 50* | *50* | *45* |
| *Tenderer C* | *£2,000* | *(£1,000 / £2,000) x 50* | *50* | *25* |

1. **Technical Quality Evaluation Criteria**
   1. The Technical Evaluation will assess the Tender response to establish the level of confidence The Authority has that the Tenderer will be able meet and deliver all the requirements detailed in the Statement of Requirements/Specification.
   2. The response to each criteria will be given points in accordance with the table below:

Criteria 1 to 3 will be scored in accordance with the following:

|  |  |
| --- | --- |
| 100 – High Confidence | 0 – Low Confidence |
| In The Authority’s opinion the Tenderers response to the requirements or criteria being assessed: | In The Authority’s opinion the Tenderers response to the requirements or criteria being assessed: |
| clearly confirms the requirements or criteria will be met in full. | does not clearly confirm the requirement or criteria will be met in full. |
| clearly confirms that any required volumes, timescales, standards or support will be met, where applicable. | does not clearly confirm that any required volumes, timescales, standards or support will be met, where applicable. |

* 1. The points achieved will be multiplied by the corresponding weighting to provide an overall criteria mark.
  2. When the mark for each question has been determined they will be added together to provide a total mark for the Technical Evaluation.
  3. The evaluators are considered to be Subject Matter Experts (SME) on the Statement of Requirements/Specification. If an individual criteria is evaluated by more than the one SME, The Authority will review the points allocated by the individual evaluators before facilitating a group consensus meeting. During the meeting, evaluators will discuss their independent points until they reach a consensus regarding the points that should be attributed to each Tenderers answer to the questions.
  4. Evaluators will assess each question individually and will not be expected to search for answers. Where a Tenderers answer to any technical criteria question is covered within a separately attached document, the text answer to that criteria question must clearly indicate the relevant part of the supporting document in which the answer can be found. Any documents that have not been referenced will be discounted during evaluation.
  5. Once all technical responses have been evaluated the individual marks attributed to each response, excluding any pass/fail criteria, will be added together to provide a total Technical Mark.
  6. A Tender will be considered non-compliant if:
* the Tender receives a fail on any pass/fail criteria.
* the Tenderer has self-certified that that they cannot meet any of individual pass/fail criteria.
* the Tender receives points which are below the threshold set for any individual criteria.
  1. Tenderers ‘Technical Score’ shall be calculated as a percentage of the maximum Technical Score available, based of the total Technical Marks received.

The calculation used is the following:

Tenderers Total Marks x maximum Technical Score available

Total Marks Available

*Example calculation, for information purposes only and based on maximum Financial score of 50% and Technical score of 50% - figures for this procurement may differ.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Tenderer*** | ***Total Marks*** | ***Score Calculation*** | ***Maximum Score Available*** | ***Technical Score Awarded*** |
| *Tenderer A* | *70* | *(70 / 100) x 50* | *50* | *35* |
| *Tenderer B* | *90* | *(90 / 100) x 50* | *50* | *45* |
| *Tenderer C* | *80* | *(80 / 100) x 50* | *50* | *40* |

* 1. The Technical evaluation questions/criteria that Tenderers should address within their Tender are:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Figure** | **Criteria** | **Points Available** | **Minimum Threshold** | **Weight** | **Mark Available** |
| A | Confirm you can deliver all items include in the Statement of Requirements by the required dates | 0 or 100 | 100 | 40.00% | 100 |
| B | Confirm you can support all installation included in the Statement of Requirements within the required timescales | 0 or 100 | 100 | 30.00% | 100 |
| C | Confirm you can arrange for commencement of equipment build and raising of any required purchase order on contract issue | 0 or 100 | 100 | 30.00% | 100 |
|  |  |  |  | 100% | 100 |

1. **Award Decision**
   1. Following evaluation of Tenders in accordance with the evaluation process set out in this ITT, the Tenderer which offers the most economically advantageous Tender may be awarded a Contract.
   2. The Tender which receives the highest Evaluation Score, which is calculated as the highest combined Technical Evaluation Score and Financial Evaluation Score (provided the tender is considered fully compliant in all evaluation areas) shall be considered the most economically advantageous Tender.

1. **Other Information**

12.1 Save as set out in PPN 01/22, the Authority will not be accepting Tenders that:

a. contain any Russian/Belarussian products and / or services; and/or

b. are linked to entities who are constituted or organised under the law of Russia or Belarus, or under the control (full or partial) of a Russian/Belarusian person or entity. Please note that this does not include companies:

(1) registered in the UK or in a country with which the UK has a relevant international agreement with reciprocal rights of access in the relevant field of public procurement; and / or

(2) which have significant business operations in the UK or in a country the UK has a relevant international agreement with reciprocal rights of access in the relevant field of public procurement.

Tenderers must confirm in writing that their Tender, including any element that may be provided by any part of the Contractor’s supply chain, does not contain any Russian/Belarusian products and/or services.

Tenderers must include provisions equivalent to those set out in this clause in all relevant Sub-Contracting Arrangements.

**Contract Documents**

Any contract resulting from this tender will be formed from the CCS Framework Order Form, Terms & Conditions and associated Schedules, including the Statement of Requirements/Specification and Pricing Table, incorporating prices submitted by the Winning Tenderer.

If, following the contract award decision, the Winning Tenderer does not agree to the Contract terms (when the Contract has been drafted in accordance with the terms and information provided in this tender), the Authority reserves the right to terminate that contract award decision and award the Contract to the next best placed Tenderer or to cancel or re-run the procurement.

If the Winning Tenderer enters into the contract but is unable to deliver the requirements, the Authority reserves the right to terminate that Contract and award the Contract to the next best placed Tenderer or to cancel or re-run the procurement.

**IR35**

IR35 off payroll working rules are not expected to apply to this requirement as this is for procurements of goods.

**Modern Slavery**

A Modern Slavery Assessment has been raised and the risk is considered to be Low.

**Cyber Risk**

A Cyber Risk Assessment has been raised and the profile is Moderate. The reference is RAR-856800005.

A Supplier Assurance Questionnaire does need to be completed.

Where a Supplier Assurance Questionnaire needs to be completed, Tenderers must complete and email this to [UKStratComDD-CyDR-DCPP@mod.gov.uk](mailto:UKStratComDD-CyDR-DCPP@mod.gov.uk) who will confirm cyber risk compliance. A copy of the completed questionnaire and the compliance email should then be included as part of the tender submission.

If a Tenderers Supplier Assurance Questionnaire score does not meet the level set in the Cyber Risk Assessment, this does not prevent submission of a Tender. In those circumstances, a Cyber Implementation Plan should be completed as part of the tender submission, to demonstrate what actions will be taken to meet the required Cyber Risk level. Provided the actions and timescales were considered acceptable to The Authority, the Cyber Implementation Plan would then be included as a requirement in any resulting Contract.

Guidance of Cyber Implementations Plans can be found online at <https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1126692/20221219-CIP_Guidance.pdf>

**Cyber Implementation Plan Template**

|  |  |
| --- | --- |
| MOD contract number: |  |
| CSM Risk Acceptance Reference: |  |
| CSM Cyber Risk Profile: |  |
| Name of Supplier: |  |
| Current level of Supplier compliance: |  |
| Reasons unable to achieve full compliance: |  |
| Measures planned to achieve compliance / mitigate the risk with dates: |  |
| Anticipated date of compliance / mitigations in place: |  |

**Statement of Requirements/Specification**

**Introduction**

ALBATROSS Evolve is being designed for the Underwater Battle Group to ingest, store, communicate and make available ACINT data only together with a Catalogue Service that shows users what is currently available on the system for them to request downloads. The design has been deliberately made to be scalable and modular. This is to be deployed and available at the specific sites in scope of this program.

This SOR is to provide Albatross Evolve with the hardware and support required to host our Core Node Object Storage and ten ingest (ACINT data producer) and egress (ACINT data consumer/analyst) EDGE nodes to significantly improve the speed and dissemination of ACINT data for PED purposes.

The hardware will be deployed to:

MoD Corsham – Navy Digital Hosting

RNAS Culdrose

DSTL Portsdown

HMNB Clyde

HMNB Portsmouth

HMNB Devonport

RAF St Mawgan

Each site, other than Corsham Navy Digital Hosting (NDH), to have installed 1 SMALL NODE. Corsham NDH will have the NDH NODE installed and the TESTBED. There are 6 EXPANSION PACKS, 3 of which will be used for the TESTBED, to be installed at MoD Corsham. NDH NODE, SMALL NODE and EXPANSION PACK are described below.

Support and Professional Services are detailed below.

**Requirement & Deliverables**

Requirement is in detail

**Testbed**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Item** | **Quantity** | **Detail/Justification** | **Comments/ Amendment** |
| 1 | Testbed Node – Disks | 9 | NetApp SG5172 (12\*4TB) – Part of ROM #16062  Object Storage Disks that hold data as S3 Objects (60 months SE Spt) | Testbed 3x SG5712 w/4TB NL-SAS -- 60 months SE Pre, NBD Parts Replace, |
| 2 | Testbed Node - Controllers | 3 | NetApp SG1000 – Part of ROM #16062  Management Terminal that controls data balancing between disks and unique reference data for accessing |
| 3 | Testbed Node – Firewalls  FG-101F-BDL-950-60 | 6 | Fortinet F101F – Part of ROM #16068  Network protection and controls data synchronisation between edge and core nodes. Excludes 5 Year Upgrade FortiCare to Elite & 5 Year Secure RMA Service. |  |
| 4 | Testbed Node – Switch Type 1 | 6 | FortiSwitch-FC-10-S1E24-247-02-60 Layer 2/3 FortiGate switch controller compatible switch with 24 x GE/10GE SFP/SFP+ slots and 2 x 100GE QSFP28. Dual AC power supplies. The Switch between NetApp and Fortinet devices. |  |
| 5 | Testbed Node – Switch Type 2 | 6 | FortiGate-FC-10-W0524-247-02-60 switch controller compatible switch with 24 x GE RJ45 ports, 4 x 10 GE SFP+ and 2 x 40 GE QSFP+ |  |
| 6 | Testbed Node Ancillaries SFPs Type 1 | 16 | 16 x 10GE SFP+ transceiver module, 10km long range for systems with SFP+ and SFP/SFP+ slots; |  |
| 7 | Testbed Node Ancillaries SFPs Type 2 | 16 | 10GE SFP+ transceiver module, short range 10GE SFP+ transceiver module, short range for systems with SFP+ and SFP/SFP+ slots |  |
| 8 | Testbed Node – Fortinet Professional Support | 10 | Professional support to help install and configure the Fortinet System (10 days @ Day Rate:) |  |
| 9 | Testbed Node – Net App Professional Support | 20+10+10 | Professional Support (PS) to help install and configure the NetApp System (20 days @ Day Rate:); Out of Hours (OOH) (10 days @ Day Rate:); Training Admin/Troubleshooting (10 days @ ) |  |
| 10 | Testbed Node – Spare 4TB Disks | 20 | Pool of disks distributed across all sites in the event of disks failing on SG5712 – more efficient than 24/7 secure RMA |  |
|  | **Total** | | |  |

**Small Edge Nodes (10 Sites) – Initial build state**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Item** | **Quantity** | **Detail/Justification** | **Comments/ Amendment** |
| 11 | Small Node – Disks | 30 | NetApp SG5172 (12\*4TB) – Part of ROM #16062  Object Storage Disks that hold data as S3 Objects (60 months SE Spt) | Testbed 3x SG5712 w/4TB NL-SAS -- 60 months SE Pre, NBD Parts Replace, NRD - 1x SG1000 |
| 12 | Small Node - Controllers | 10 | NetApp SG1000 – Part of ROM #16062  Management Terminal that controls data balancing between disks and unique reference data for accessing  (Excludes dual controllers at this time) |
| 13 | Small Node – Firewalls  FG-101F-BDL-950-60 | 10 | Fortinet FC-10-F101F-301-02-60 – Network protection and controls data synchronisation between edge and core nodes. Excludes 5 Year Upgrade FortiCare to Elite & 5 Year Secure RMA Service. |  |
| 14 | Small Node – Switch Type 1 | 10 | FortiSwitch-FC-10-S1E24-301-02-60 Layer 2/3 FortiGate switch controller compatible switch with 24 x GE/10GE SFP/SFP+ slots and 2 x 100GE QSFP28. Dual AC power supplies. The Switch between NetApp and Fortinet devices |  |
| 15 | Small Node – Switch Type 2 | 10 | FortiGate-FC-10-W0524-301-02-60 switch controller compatible switch with 24 x GE RJ45 ports, 4 x 10 GE SFP+ and 2 x 40 GE QSFP+ |  |
| 16 | Testbed Node Ancillaries SFPs Type 1 | 160 | 16 x 10GE SFP+ transceiver module, 10km long range for systems with SFP+ and SFP/SFP+ slots; |  |
| 17 | Testbed Node Ancillaries SFPs Type 2 | 160 | 10GE SFP+ transceiver module, short range 10GE SFP+ transceiver module, short range for systems with SFP+ and SFP/SFP+ slots |  |
| 18 | Small Node – Fortinet Professional Support | 0 | Professional support to help install and configure the Fortinet System (3 days per site @ Day Rate:) | Part of Testbed Quote |
| 19 | Small Node – Net App Professional Support | 0 | Professional Support (PS) to help install and configure the NetApp System (15 days @ Day Rate:); Out of Hours (OOH) (10 days @ Day Rate:); Training Admin/Troubleshooting (8 days @) | Part of Testbed Quote |
| 20 | Small Node – Spare 4TB Disks | 0 | Pool of disks distributed across all sites in the event of disks failing on SG5712 – more efficient than 24/7 secure RMA  [10 disks per Site] | Part of Testbed Quote |
|  | **Total** | | |  |

**NDH Core Node**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Item** | **Quantity** | **Detail/Justification** | **Comments/ Amendment** |
| 21 | NDE Node – Disks | 9 | NetApp SG6060 (60\*18TB) – Part of ROM #16115  Object Storage Disks that hold data as S3 Objects | Medium/Large 3x SG6060 w/18TB NL-SAS -- 60 months SE Pre, NBD Parts Replace, NRD, 2x SG1000 |
| 22 | NDE Node - Controllers | 2 | NetApp SG1000 – Part of ROM #16115  Management Terminal that controls data balancing between disks and unique reference data for accessing |
| 23 | NDE Node - Firewalls | 2 | Fortinet FC-10-F101F-301-02-60 – Part of ROM #16068  Network protection and controls data synchronisation between edge and core nodes. Excludes 5 Year Upgrade FortiCare to Elite & 5 Year Secure RMA Service. |  |
| 24 | NDE Node – Switch Type 1 | 2 | Fortinet FC-10-S1E24-301-02-60  The Switch between NetApp and Fortinet devices |  |
| 25 | NDE Node – Switch Type 2 | 2 | Fortinet FC-10-W0524-301-02-60  The Switch between Fortinet and the MOD SCN |  |
| 26 | Testbed Node Ancillaries SFPs Type 1 | 16 | 16 x 10GE SFP+ transceiver module, 10km long range for systems with SFP+ and SFP/SFP+ slots; |  |
| 27 | Testbed Node Ancillaries SFPs Type 2 | 16 | 10GE SFP+ transceiver module, short range 10GE SFP+ transceiver module, short range for systems with SFP+ and SFP/SFP+ slots |  |
| 28 | NDE Node – Fortinet Professional Support | 0 | Professional support to help install and configure the Fortinet System (5 days at NDH configuring the whole network @ Day Rate:) | Part of Testbed Quote |
| 29 | NDE Node – Net App Professional Support | 0 | Professional support to help install and configure the NetApp System (5 days @ Day Rate:) | Part of Testbed Quote |
| 30 | NDE Node – Spare 18TB Disks | 20 | Pool of disks in the event of disks failing on SG6060 – more efficient than 24/7 secure RMA |  |
| 31 | Fortinet Manager & Analyzer | 0 | Fortinet controlling devices that manage the network, collect audit reports and produce management reports of performance/efficiency | Supplied by NDH Node |
| 32 | NDH Expansion (Shelf Only) | 6 | Additional NetApp SG6060 (60\*18TB) |  |
|  | **Total** | | |  |

**Small Node Replacement Expansion Packs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Item** | **Quantity** | **Detail/Justification** | **Comments/ Amendment** |
| 33 | Expansion Pack 60x18TB Disks | 6 | Extra SG6060s with controller – 1x SG6060 w/18TB NL-SAS – 60 months SE Pre, NBD Parts Replace, NRD |  |
|  | **Total** | | |  |

**Timescales**

Hardware will be required to be delivered by 31 March 2024. All installations to be completed by 31 March 2025.

**Locations**

Delivery Locations:

All items for MoD Corsham to be delivered to:

The NDH facility is located in Spring Park, ARK Data Centre Corsham. SN13 9GB.

POC: Brown, Daimon Contractor (NAVY DIGITAL-MDDS INFRA ENG2) <Daimon.Brown260@mod.gov.uk>

All other items to be delivered to:

The RAF St Mawgan facility is located at RAF St Mawgan, Newquay. TR8 4HP.

POC: Jennings, James C1 (UKStratCom DD-IES-SC-SSvUW-AH) <James.Jennings431@mod.gov.uk>

**Governance**

Governance procedure covered within the ALBATROSS Project.

**Acceptance**

Not Applicable

**Performance Management**

|  |  |  |  |
| --- | --- | --- | --- |
| Service Level Performance Criterion | Delivery of hardware within agreed timescales | Installations completed within agreed timescales | Hardware functional on delivery |
| Applicable Services | All | All | All |
| Service Level Performance Measure | Number of days delivered after agreed date | Number of days installed after agreed date | Number of items which are not fully functional on delivery |
| Frequency of  Measurement – Service Period | Monthly | Monthly | Monthly |
| Good Service Level | Early or on agreed date | Early or on agreed date | 0 items |
| Approaching Target Service Level | 1-7 calendar days after agreed date | 1-7 calendar days after agreed date | 1-2 items |
| Requires Improvement Service Level | 8-14 calendar days after agreed date | 8-14 calendar days after agreed date | 3-4 items |
| Inadequate Service Level | 15 or more calendar days after agreed date | 15 or more calendar days after agreed date | 5 or more items |
| Service Credit for each Service Period | Good – No Service Credit to be applied  Approaching target – 1% Service Credit to be applied  Requires Improvement – 2 % Service Credit to be applied  Inadequate – 3% Service Credit to be applied  Determination of achievement of Service Level to be sole decision of the Buyer | Good – No Service Credit to be applied  Approaching target – 1% Service Credit to be applied  Requires Improvement – 2 % Service Credit to be applied  Inadequate – 3% Service Credit to be applied  Determination of achievement of Service Level to be sole decision of the Buyer | Good – No Service Credit to be applied  Approaching target – 1% Service Credit to be applied  Requires Improvement – 2 % Service Credit to be applied  Inadequate – 3% Service Credit to be applied  Determination of achievement of Service Level to be sole decision of the Buyer |

**Government Furnished Assets**

Not Applicable

**Security**

Any support or installation engineers will be required to hold SC clearance to be approved access to MoD Corsham ARK and St Mawgan, or any sites where hardware will be installed.

**Personal Data**

No personal data will be supplied to the vendor.

**Quality & Standards**

Not Applicable

**Health & Safety**

Vendor engineers will be required to undergo any site specific H&S requirements (Site inductions, safety courses, etc) to be specified by each site.

**Environmental**

Not Applicable

**Implementation**

Implementation will be carried out by vendor engineers working together with NDH engineers and Albatross engineers. Initial deployments to take place at NDH and RNAS Culdrose, with the remaining sites to be scheduled.

**Exit**

Not Applicable

**Software**

Native OS and functionality has been accredited as part of previous NDH and AirCHAN installations. Configuration to Albatross Evolve requirements is undergoing JSP 604 accreditation as part of the overall program.

**IPR or Other Rights**

Not Applicable

**Acronyms**

Any acronyms or Capitalised Terms should be listed with a description of what they are.

ACINT – Acoustic Intelligence Data

HMNB – His Majesty’s Naval Base

NDH – Navy Digital Hosting

OS – Operating System

PED – Production Exploitation Dissemination

RNAS – Royal Naval Air Station

**Financial Criteria – Pricing Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SOR Line** | **Item** | **Quantity** | **Per Item** | **Line Total** |
| 1 | Testbed Node – Disks | 9 |  | £0.00 |
| 2 | Testbed Node - Controllers | 3 |  | £0.00 |
| 3 | Testbed Node – Firewalls - FG-101F-BDL-950-60 | 6 |  | £0.00 |
| 4 | Testbed Node – Switch Type 1 | 6 |  | £0.00 |
| 5 | Testbed Node – Switch Type 2 | 6 |  | £0.00 |
| 6 | Testbed Node Ancillaries SFPs Type 1 | 16 |  | £0.00 |
| 7 | Testbed Node Ancillaries SFPs Type 2 | 16 |  | £0.00 |
| 8 | Testbed Node – Fortinet Professional Support | 10 |  | £0.00 |
| 9 | Testbed Node – Net App Professional Support - install and configure the NetApp System | 20 |  | £0.00 |
| 9 | Testbed Node – Net App Professional Support - out of hours | 10 |  | £0.00 |
| 9 | Testbed Node – Net App Professional Support - Training Admin/Troubleshooting | 10 |  | £0.00 |
| 10 | Testbed Node – Spare 4TB Disks | 20 |  | £0.00 |
| 11 | Small Node – Disks | 30 |  | £0.00 |
| 12 | Small Node - Controllers | 10 |  | £0.00 |
| 13 | Small Node – Firewalls - FG-101F-BDL-950-60 | 10 |  | £0.00 |
| 14 | Small Node – Switch Type 1 | 10 |  | £0.00 |
| 15 | Small Node – Switch Type 2 | 10 |  | £0.00 |
| 16 | Testbed Node Ancillaries SFPs Type 1 | 160 |  | £0.00 |
| 17 | Testbed Node Ancillaries SFPs Type 2 | 160 |  | £0.00 |
| 21 | NDE Node – Disks | 9 |  | £0.00 |
| 22 | NDE Node - Controllers | 2 |  | £0.00 |
| 23 | NDE Node - Firewalls | 2 |  | £0.00 |
| 24 | NDE Node – Switch Type 1 | 2 |  | £0.00 |
| 25 | NDE Node – Switch Type 2 | 2 |  | £0.00 |
| 26 | Testbed Node Ancillaries SFPs Type 1 | 16 |  | £0.00 |
| 27 | Testbed Node Ancillaries SFPs Type 2 | 16 |  | £0.00 |
| 30 | NDE Node – Spare 18TB Disks | 20 |  | £0.00 |
| 32 | NDH Expansion (Shelf Only) | 6 |  | £0.00 |
| 33 | Expansion Pack 60x18TB Disks | 6 |  | £0.00 |
|  |  |  | Total Price | £0.00 |

Payment to be made following successful delivery.

All prices stated are firm prices, to be paid in £ (GBP/Pounding Sterling), not subject to any increase or exchange rates.

The Prices set for each item shall be the total maximum price the Contractor shall charge for the delivery of the goods and/or services covered within that item (prior to any VOP adjustment, where adjustment date has not yet passed). No further costs shall be claimed by the Contractor and all prices quoted shall include as a minimum, but not be limited to:

* Any direct or indirect costs
* Any labour costs or personnel salaries, pensions or contributions
* Any costs for manufacture or provision of goods and/or services
* Any costs for delivery to the Authority
* Any fuel costs
* Any related travel and subsistence
* Any packaging
* Any import costs or charges
* Any implementation or exit costs
* Any sub-contractor costs
* Any IT or system related costs
* Any costs required to provide Authority access to systems or accounts