



Ministry
of Defence

Contract

700010211–

Provision of Statutory Pressure Inspection and Pressure Maintenance

01 September 2020 to 31 August 2023

**Between the Secretary of State for Defence of
the United Kingdom of Great Britain and
Northern Ireland**

And

Maxaura Ltd

Team Name and Address:

Navy Commercial
Building 1/080
Jago Road
HM Naval Base
Portsmouth
PO1 3LU

Contractor Address:

Systems House
Kitchener Road
High Wycombe
Bucks
HP11 2SW

1 Definitions - In the Contract:

The 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;

Business Day means 09:00 to 17:00 Monday to Friday, excluding public and statutory holidays;

Contract means the agreement concluded between the Authority and the Contractor, including all terms and conditions, associated purchase order, specifications, plans, drawings, schedules and other documentation, expressly made part of the agreement in accordance with Clause 2.c;

Contractor means the person, firm or company specified as such in the purchase order. Where the Contractor is an individual or a partnership, the expression shall include the personal representatives of the individual or of the partners, as the case may be;

Contractor Commercially Sensitive Information means the information listed as such in the purchase order, which is information notified by the Contractor to the Authority, which is acknowledged by the Authority as being commercially sensitive;

Contractor Deliverables means the goods and / or services including packaging (and supplied in accordance with any QA requirements if specified) which the Contractor is required to provide under the Contract in accordance with the schedule to the purchase order;

Effective Date of Contract means the date stated on the purchase order or, if there is no such date stated, the date upon which both Parties have signed the purchase order;

Firm Price means a price excluding Value Added Tax (VAT) which is not subject to variation;

Hazardous Contractor Deliverable means a Contractor Deliverable or a component of a Contractor Deliverable that is itself a hazardous material or substance or that may in the course of its use, maintenance, disposal, or in the event of an accident, release one or more hazardous materials or substances and each material or substance that may be so released;

Legislation means in relation to the United Kingdom any Act of Parliament, any subordinate legislation within the meaning of section 21 of the Interpretation Act 1978, any exercise of Royal Prerogative or any enforceable community right within the meaning of Section 2 of the European Communities Act 1972.

Notices means all notices, orders, or other forms of communication required to be given in writing under or in connection with the Contract;

Parties means the Contractor and the Authority, and Party shall be construed accordingly;

Transparency Information means the content of this Contract in its entirety, including from time to time agreed changes to the Contract, and details of any payments made by the Authority to the Contractor under the Contract.

2 General

a. The Contractor shall comply with all applicable Legislation, whether specifically referenced in this Contract or not.

b. Any variation to the Contract shall have no effect unless expressly agreed in writing and signed by both Parties.

c. If there is any inconsistency between these terms and conditions and the purchase order or the documents expressly referred to therein, the conflict shall be resolved according to the following descending order of priority:

- (1) the terms and conditions;
- (2) the purchase order; and
- (3) the documents expressly referred to in the purchase order.

d. Neither Party shall be entitled to assign the Contract (or any part thereof) without the prior written consent of the other Party.

e. Failure or delay by either Party in enforcing or partially enforcing any provision of the Contract shall not be construed as a waiver of its rights or remedies. No waiver in respect of any right or remedy shall operate as a waiver in respect of any other right or remedy.

f. The Parties to the Contract do not intend that any term of the Contract shall be enforceable by virtue of the Contracts (Rights of Third Parties) Act 1999 by any person that is not a Party to it.

g. The Contract and any non-contractual obligations arising out of or in connection with it shall be governed by and construed in accordance with English Law, and subject to Clause 15 and without prejudice to the dispute resolution procedure set out therein, the Parties submit to the exclusive jurisdiction of the English courts. Other jurisdictions may apply solely for the purpose of giving effect to this Clause 2.g and for enforcement of any judgement, order or award given under English jurisdiction.

3 Application of Conditions

a. The purchase order, these terms and conditions and the specification govern the Contract to the entire exclusion of all other terms and conditions. No other terms or conditions are implied.

b. The Contract constitutes the entire agreement and understanding and supersedes any previous agreement between the Parties relating to the subject matter of the Contract.

4 Disclosure of Information

Disclosure of information under the Contract shall be managed in accordance with DEFCON 531 (SC1).

5 Transparency

a. Subject to Clause 5.b, but notwithstanding Clause 4, the Contractor understands that the Authority may publish the Transparency Information to the general public. The Contractor shall assist and cooperate with the Authority to enable the Authority to publish the Transparency Information.

b. Before publishing the Transparency Information to the general public in accordance with Clause 5.a, the Authority shall redact any information that would be exempt from disclosure if it was the subject of a request for information under the Freedom of Information Act 2000 or the Environmental Information Regulations 2004, including the Contractor Commercially Sensitive Information.

c. The Authority may consult with the Contractor before redacting any information from the Transparency Information in accordance with Clause 5.b. The Contractor acknowledges and accepts that its representations on redactions during consultation may not be determinative and that the decision whether to redact information is a matter in which the Authority shall exercise its own discretion, subject always to the provisions of the Freedom of Information Act 2000 or the Environmental Information Regulations 2004.

d. For the avoidance of doubt, nothing in this Clause 5 shall affect the Contractor's rights at law.

6 Notices

a. A Notice served under the Contract shall be:

- (1) in writing in the English language;
- (2) authenticated by signature or such other method as may be agreed between the Parties;
- (3) sent for the attention of the other Party's representative, and to the address set out in the purchase order;
- (4) marked with the number of the Contract; and
- (5) delivered by hand, prepaid post (or airmail), facsimile transmission or, if agreed in the purchase order, by electronic mail.

b. Notices shall be deemed to have been received:

- (1) if delivered by hand, on the day of delivery if it is the recipient's Business Day and otherwise on the first Business of the recipient immediately following the day of delivery;
- (2) if sent by prepaid post, on the fourth Business Day (or the tenth Business Day in the case of airmail) after the day of posting;
- (3) if sent by facsimile or electronic means:
 - (a) if transmitted between 09:00 and 17:00 hours on a Business Day (recipient's time) on completion of receipt by the sender of verification of the transmission from the receiving instrument; or

As at Contract Commencement

(b) if transmitted at any other time, at 09:00 on the first Business Day (recipient's time) following the completion of receipt by the sender of verification of transmission from the receiving instrument.

7 Intellectual Property

a. The Contractor shall as its sole liability keep the Authority fully indemnified against an infringement or alleged infringement of any intellectual property rights or a claim for Crown use of a UK patent or registered design caused by the use, manufacture or supply of the Contractor Deliverables.

b. The Authority shall promptly notify the Contractor of any infringement claim made against it relating to any Contractor Deliverable and, subject to any statutory obligation requiring the Authority to respond, shall permit the Contractor to have the right, at its sole discretion to assume, defend, settle or otherwise dispose of such claim. The Authority shall give the Contractor such assistance as it may reasonably require to dispose of the claim and will not make any statement which might be prejudicial to the settlement or defence of the claim

8 Supply of Contractor Deliverables and Quality Assurance

a. This Contract comes into effect on the Effective Date of Contract.

b. The Contractor shall supply the Contractor Deliverables to the Authority at the Firm Price stated in the Schedule to the purchase order.

c. The Contractor shall ensure that the Contractor Deliverables:

(1) correspond with the specification;
 (2) are of satisfactory quality (within the meaning of the Sale of Goods Act 1979, as amended) except that fitness for purpose shall be limited to the goods being fit for the particular purpose held out expressly by or made known expressly to the Contractor and in this respect the Authority relies on the Contractor's skill and judgement; and
 (3) comply with any applicable Quality Assurance Requirements specified in the purchase order.

d. The Contractor shall apply for and obtain any licences required to import any material required for the performance of the Contract in the UK. The Authority shall provide to the Contractor reasonable assistance with regard to any relevant defence or security matter arising in the application for any such licence.

9 Supply of Data for Hazardous Contractor Deliverables

a. The Contractor shall establish if the Contractor Deliverables are, or contain, Dangerous Goods as defined in the Regulations set out in this Clause 9. Any that do shall be packaged for UK or worldwide shipment by all modes of transport in accordance with the following unless otherwise specified in the Schedule to the purchase order:

(1) the Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO), IATA Dangerous Goods Regulations;
 (2) the International Maritime Dangerous Goods (IMDG) Code;
 (3) the Regulations Concerning the International Carriage of Dangerous Goods by Rail (RID); and
 (4) the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR).

b. Certification markings, incorporating the UN logo, the package code and other prescribed information indicating that the package corresponds to the successfully designed type shall be marked on the packaging in accordance with the relevant regulation.

c. As soon as possible and in any event within the period specified in the purchase order (or if no such period is specified no later than one month prior to the delivery date), the Contractor shall provide to the Authority's representatives in the manner and format prescribed in the purchase order:

(1) confirmation as to whether or not to the best of its knowledge any of the Contractor Deliverables are Hazardous Contractor Deliverables; and

(2) for each Hazardous Contractor Deliverable, a Safety Data Sheet containing the data set out at Clause 9.d, which shall be updated by the Contractor during the period of the Contract if it becomes aware of any new relevant data.

d. Safety Data Sheets if required under Clause 9.c shall be provided in accordance with the REACH Regulations (EC) No 1907/2006 and any additional information required by the Health and Safety at Work etc. Act 1974 and shall contain:

(1) information required by the Classification, Labelling and Packaging (CLP) Regulation 1272/2008 or any replacement thereof; and
 (2) where the Hazardous Contractor Deliverable is, contains or embodies a radioactive substance as defined in the Ionising Radiation Regulations SI 1999/3232, details of the activity, substance and form (including any isotope); and
 (3) where the Hazardous Contractor Deliverable has magnetic properties, details of the magnetic flux density at a defined distance, for the condition in which it is packed.

e. The Contractor shall retain its own copies of the Safety Data Sheets provided to the Authority in accordance with Clause 9.d for 4 years after the end of the Contract and shall make them available to the Authority's representatives on request.

f. Nothing in this Clause 9 reduces or limits any statutory or legal obligation of the Authority or the Contractor.

g. Where delivery is made to the Defence Fulfilment Centre (DFC) and / or other Team Leidos location / building, the Contractor must comply with the Logistic Commodities and Services Transformation (LCST) Supplier Manual

g. Where delivery is made to the Defence Fulfilment Centre (DFC) and / or other Team Leidos location / building, the Contractor must comply with the Logistic Commodities and Services Transformation (LCST) Supplier Manual.

10 Delivery / Collection

a. The purchase order shall specify whether the Contractor Deliverables are to be delivered to the consignee by the Contractor or collected from the consignor by the Authority.

b. Title and risk in the Contractor Deliverables shall pass from the Contractor to the Authority on delivery or on collection in accordance with Clause 10.a.

c. The Authority shall be deemed to have accepted the Contractor Deliverables within a reasonable time after title and risk has passed to the Authority unless it has rejected the Contractor Deliverables within the same period.

11. Marking of Contractor Deliverables

a. Each Contractor Deliverable shall be marked in accordance with the requirements specified in the purchase order or if no such requirement is specified, the Contractor shall mark each Contractor Deliverable clearly and indelibly in accordance with the requirements of the relevant DEF-STAN 05-132 as specified in the contract or specification. In the absence of such requirements, the Contractor Deliverables shall be marked with the MOD stock reference, NATO Stock Number (NSN) or alternative reference number shown in the Contract.

b. Any marking method used shall not have a detrimental effect on the strength, serviceability or corrosion resistance of the Contractor Deliverables.

c. The marking shall include any serial numbers allocated to the Contractor Deliverable.

d. Where because of its size or nature it is not possible to mark a Contractor Deliverable with the required particulars, the required information should be included on the package or carton in which the Contractor Deliverable is packed, in accordance with condition 12 (Packaging and Labelling (excluding Contractor Deliverables containing Ammunition or Explosives)).

12 Packaging and Labelling of Contractor Deliverables (Excluding Contractor Deliverables Containing Ammunition or Explosives)

The Contractor shall pack or have packed the Contractor Deliverables in accordance with any requirements specified in the purchase order and Def Stan 81-041 (Part 1 and Part 6).

13 Progress Monitoring, Meetings and Reports

The Contractor shall attend progress meetings and deliver reports at the frequency or times (if any) specified in the purchase order and shall ensure that its Contractor's representatives are suitably qualified to attend such meetings. Any additional meetings reasonably required shall be at no cost to the Authority.

14 Payment

- a. Payment for Contractor Deliverables will be made by electronic transfer and prior to submitting any claims for payment under clause 14b the Contractor will be required to register their details (Supplier on-boarding) on the Contracting, Purchasing and Finance (CP&F) electronic procurement tool.
- b. Where the Contractor submits an invoice to the Authority in accordance with clause 14a, the Authority will consider and verify that invoice in a timely fashion.
- c. The Authority shall pay the Contractor any sums due under such an invoice no later than a period of 30 days from the date on which the Authority has determined that the invoice is valid and undisputed.
- d. Where the Authority fails to comply with clause 14b and there is undue delay in considering and verifying the invoice, the invoice shall be regarded as valid and undisputed for the purpose of clause 14c after a reasonable time has passed.
- e. The approval for payment of a valid and undisputed invoice by the Authority shall not be construed as acceptance by the Authority of the performance of the Contractor's obligations nor as a waiver of its rights and remedies under this Contract.
- f. Without prejudice to any other right or remedy, the Authority reserves the right to set off any amount owing at any time from the Contractor to the Authority against any amount payable by the Authority to the Contractor under the Contract or under any other contract with the Authority, or with any other Government Department.

15 Dispute Resolution

- a. The Parties will attempt in good faith to resolve any dispute or claim arising out of or relating to the Contract through negotiations between the respective representatives of the Parties having authority to settle the matter, which attempts may include the use of any alternative dispute resolution procedure on which the Parties may agree.
- b. In the event that the dispute or claim is not resolved pursuant to Clause 15.a the dispute shall be referred to arbitration and shall be governed by the Arbitration Act 1996. For the purposes of the arbitration, the arbitrator shall have the power to make provisional awards pursuant to Section 39 of the Arbitration Act 1996.
- c. For the avoidance of doubt it is agreed between the Parties that the arbitration process and anything said, done or produced in or in relation to the arbitration process (including any awards) shall be confidential as between the Parties, except as may be lawfully required in judicial proceedings relating to the arbitration or otherwise. No report relating to anything said, done or produced in or in relation to the arbitration process may be made beyond the tribunal, the Parties, their legal representatives and any person necessary to the conduct of the proceedings, without the concurrence of all the Parties to the arbitration.

16 Termination for Corrupt Gifts

The Authority may terminate the Contract with immediate effect, without compensation, by giving written notice to the Contractor at any time after any of the following events:

- a. where the Authority becomes aware that the Contractor, its employees, agents or any sub-contractor (or anyone acting on its behalf or any of its or their employees):

- (1) has offered, promised or given to any Crown servant any gift or financial or other advantage of any kind as an inducement or reward;
 - (2) commits or has committed any prohibited act or any offence under the Bribery Act 2010 with or without the knowledge or authority of the Contractor in relation to this Contract or any other contract with the Crown;
 - (3) has entered into this or any other contract with the Crown in connection with which commission has been paid or has been agreed to be paid by it or on its behalf, or to its knowledge, unless before the contract is made particulars of any such commission and of the terms and conditions of any such agreement for the payment thereof have been disclosed in writing to the Authority.
- b. In exercising its rights or remedies to terminate the Contract under Clause 16.a. the Authority shall:
- (1) act in a reasonable and proportionate manner having regard to such matters as the gravity of, and the identity of the person committing the prohibited act;
 - (2) give due consideration, where appropriate, to action other than termination of the Contract, including (without being limited to):
 - (a) requiring the Contractor to procure the termination of a subcontract where the prohibited act is that of a Subcontractor or anyone acting on its or their behalf;
 - (b) requiring the Contractor to procure the dismissal of an employee (whether its own or that of a Subcontractor or anyone acting on its behalf) where the prohibited act is that of such employee.
- c. Where the Contract has been terminated under Clause 16.a. the Authority shall be entitled to purchase substitute Contractor Deliverables from elsewhere and recover from the Contractor any costs and expenses incurred by the Authority in obtaining the Contractor Deliverables in substitution from another supplier.

17 Material Breach

In addition to any other rights and remedies, the Authority shall have the right to terminate the Contract (in whole or in part) with immediate effect by giving written notice to the Contractor where the Contractor is in material breach of its obligations under the Contract. Where the Authority has terminated the Contract under Clause 17 the Authority shall have the right to claim such damages as may have been sustained as a result of the Contractor's material breach of the Contract.

18 Insolvency

The Authority shall have the right to terminate the contract if the Contractor is declared bankrupt or goes into liquidation or administration. This is without prejudice to any other rights or remedies under this Contract.

19 Limitation of Contractor's Liability

- a. Subject to Clause 19.b the Contractor's liability to the Authority in connection with this Contract shall be limited to £5m (five million pounds).
- b. Nothing in this Contract shall operate to limit or exclude the Contractor's liability:
 - (1) for:
 - a. any liquidated damages (to the extent expressly provided for under this Contract);
 - b. any amount(s) which the Authority is entitled to claim, retain or withhold in relation to the Contractor's failure to perform or under-perform its obligations under this Contract, including service credits or other deductions (to the extent expressly provided for under this Contract);
 - c. any interest payable in relation to the late payment of any sum due and payable by the Contractor to the Authority under this Contract;
 - d. any amount payable by the Contractor to the Authority in relation to TUPE or pensions to the extent expressly provided for under this Contract;

- (2) under Condition 7 of the Contract (Intellectual Property), and DEFCONs 91 or 638 (SC1) where specified in the contract;
- (3) for death or personal injury caused by the Contractor's negligence or the negligence of any of its personnel, agents, consultants or sub-contractors;
- (4) for fraud, fraudulent misrepresentation, wilful misconduct or negligence;
- (5) in relation to the termination of this Contract on the basis of abandonment by the Contractor;
- (6) for breach of the terms implied by Section 2 of the Supply of Goods and Services Act 1982; or
- (7) for any other liability which cannot be limited or excluded under general (including statute and common) law.
- c. The rights of the Authority under this Contract are in addition to, and not exclusive of, any rights or remedies provided by general (including statute and common) law.

20 The Project Specific DEFCONs and DEFCON SC Variants that apply to this Contract are:

DEFCON 5J (Edn 11/16) - Unique Identifiers
 DEFCON 14 (Edn 11/05) - Inventions and Designs Crown Rights and Ownership of Patents and Registered Designs
 DEFCON 16 (Edn 10/04) - Repair and Maintenance Information
 DEFCON 76 SC1 (Edn 12/16) - Contractor's Personnel at Government Establishments
 DEFCON 129J SC1 (Edn 06/17) – The Use of the Electronic Business Delivery Form
 DEFCON 502 SC1 (Edn 11/16)- Specifications Changes
 DEFCON 503 SC1 (Edn 12/16) – Formal Amendments to Contract
 DEFCON 532A (Edn 04/20) - Protection of Personal Data (Where Personal Data is not being processed on behalf of the Authority)
 DEFCON 534 (Edn 06/17) – Subcontracting and Prompt Payment
 DEFCON 538 (Edn 06/02) - Severability
 DEFCON 566 (Edn 12/18) - Change of Control of Contractor
 DEFCON 608 (Edn 10/14) - Access and Facilities to Be Provided By the Contractor
 DEFCON 609 (Edn 08/18) or SC1 (Edn 08/18) - Contractor's Records
 DEFCON 620 SC1 (Edn 12/16)– Contract Change Control Procedure
 DEFCON 656A (Edn 08/16) - Termination for Convenience Under £5m

21 The special conditions that apply to this Contract are: AUTHORISATION BY THE CROWN FOR USE OF THIRD PARTY INTELLECTUAL PROPERTY RIGHTS

Notwithstanding any other provisions of the Contract and for the avoidance of doubt, award of the Contract by the Authority and placement of any contract task under it does not constitute an authorisation by the Crown under Sections 55 and 56 of the Patents Act 1977 or Section 12 of the Registered Designs Act 1949. The Contractor acknowledges that any such authorisation by the Authority under its statutory powers must be expressly provided in writing, with reference to the acts authorised and the specific intellectual property involved.

22 The processes that apply to this Contract are:

The Contractor shall notify the Authority as soon as they become aware of any circumstance which will impact on their ability to deliver any of the requirements or meet any of the stated timescales.

Requirements to be delivered in accordance with this contract and, where it does not conflict with this contract, in line with proposal included in tender dated 08 July 2020.



Ministry
of Defence

PURCHASE ORDER

Contract No: 700010211

Contract Name: Provision of Statutory Pressure Inspection and Pressure Maintenance

Dated: 25 August 2020

Supply the Deliverables described in the Schedule to this Purchase Order, subject to the attached MOD Terms and Conditions for Less Complex Requirements (up to £122,976).

Contractor	Quality Assurance Requirements (Clause 8)
Name: Registered Address:	AQAP 2130
Consignor (if different from Contractor's registered address)	Transport Instructions (Clause 10)
Name: Address:	Select method of transport of Deliverables To be Delivered by the Contractor <input checked="" type="checkbox"/> To be Collected by the Authority <input type="checkbox"/> Each consignment of the Deliverables shall be accompanied by a Delivery Note

Progress Meetings (Clause 13)	Progress Reports (Clause 13)
<p>The Contractor shall be required to attend the following meetings:</p> <p>To be arranged if and when required unless already detailed in Statement of Requirements.</p>	<p>The Contractor is required to submit the following Reports:</p> <p>To be arranged if and when required unless already detailed in Statement of Requirements.</p>
Payment (Clause 14)	
<p>Payment is to be enabled by CP&F.</p>	
Forms and Documentation	Supply of Hazardous Deliverables (Clause 9)
<p>Forms can be obtained from the following websites:</p> <p>https://www.aof.mod.uk/aofcontent/tactical/toolkit (Registration is required).</p> <p>https://www.gov.uk/government/organisations/ministry-of-defence/about/procurement#invoice-processing</p> <p>https://www.dstan.mod.uk/ (Registration is required).</p> <p>The MOD Forms and Documentation referred to in the Conditions are available free of charge from:</p> <p>Ministry of Defence, Forms and Pubs Commodity Management PO Box 2, Building C16, C Site Lower Arcott Bicester, OX25 1LP (Tel. 01869 256197 Fax: 01869 256824)</p> <p>Applications via email: DESLCSLS-OpsFormsandPubs@mod.uk</p> <p>If you require this document in a different format (i.e. in a larger font) please contact the Authority's Representative (Commercial Officer), detailed below.</p>	<p>A completed DEFFORM 68 and, if applicable, Safety Data Sheet(s) are to be provided by email with attachment(s) in Adobe PDF or MS WORD format to:</p> <p>a. The Commercial Officer detailed in the Purchase Order, and</p> <p>b. DSA-DLSR-MovTpt-DGHSIS@mod.uk</p> <p>by the following date:</p> <p>or if only hardcopy is available to the addresses below:</p> <p>Hazardous Stores Information System (HSIS) Defence Safety Authority (DSA) Movement Transport Safety Regulator (MTR) Hazel Building Level 1, #H019 MOD Abbey Wood (North) Bristol BS34 8QW</p>

Appendix - Addresses and Other Information

1. Commercial Officer:

Name: Lydia Irving

Address: Room 303, Building 1/080, Jago Road, HMNB Portsmouth,
PO1 3LU

Email: Lydia.irving104@mod.gov.uk

☎ 02392727472

2. Project Manager, Equipment Support Manager or PT Leader (from whom technical information is available):

Name: [REDACTED]

Address: [REDACTED]

Email [REDACTED]

☎ [REDACTED]

3. Packaging Design Authority:

Organisation and point of contact:

(where no address is shown please contact the Project Team in Box 2)

☎

4. (a) Supply/Support Management Branch or Order Manager Branch/Name:

As per section 2

☎

(b) U.I.N.

5. Drawings/Specifications are available from:**6. Intentionally Left Blank****7. Quality Assurance Representative:**

Commercial staff are reminded that all Quality Assurance requirements should be listed under the General Contract Conditions.

AQAPS and DEF STANs are available from UK Defence Standardization, for access to the documents and details of the helpdesk visit <http://dstan.uwh.diiif.r.mil.uk/> [intranet] or <https://www.dstan.mod.uk/> [extranet, registration needed]**8. Public Accounting Authority:**1. Returns under DEFCON 694 (or SC equivalent) should be sent to DBS Finance ADMT – Assets In Industry 1, Level 4 Piccadilly Gate, Store Street, Manchester, M1 2WD
☎ 44 (0) 161 233 53972. For all other enquiries contact DES Fin FA-AMET Policy, Level 4 Piccadilly Gate, Store Street, Manchester, M1 2WD
☎ 44 (0) 161 233 5394**9. Consignment Instructions:**

The items are to be consigned as follows:

As detailed in Schedule of Requirements

10. Transport. The appropriate Ministry of Defence Transport Offices are:A. **DSCOM**, DE&S, DSCOM, MoD Abbey Wood, Cedar 3c, Mail Point 3351, BRISTOL BS34 8JHAir Freight CentreIMPORTS ☎ 030 679 81113 / 81114 Fax 0117 913 8943
EXPORTS ☎ 030 679 81113 / 81114 Fax 0117 913 8943Surface Freight CentreIMPORTS ☎ 030 679 81129 / 81133 / 81138 Fax 0117 913 8946
EXPORTS ☎ 030 679 81129 / 81133 / 81138 Fax 0117 913 8946B. **JSCS**JSCS Helpdesk ☎ 01869 256052 (option 2, then option 3); JSCS Fax No 01869 256837 www.freightcollection.com**11. The Invoice Paying Authority:**

Ministry of Defence ☎ 0151-242-2000

DBS Finance

Walker House, Exchange Flags

Fax: 0151-242-2809

Liverpool, L2 3YL

Website is:<https://www.gov.uk/government/organisations/ministry-of-defence/about/procurement#invoice-processing>**12. Forms and Documentation are available through*:**Ministry of Defence, Forms and Pubs Commodity Management
PO Box 2, Building C16, C Site

Lower Arcott

Bicester, OX25 1LP (Tel. 01869 256197 Fax: 01869 256824)

Applications via fax or email: Leidos-FormsPublications@teambleidos.mod.uk*** NOTE**1. Many **DEFCONs** and **DEFFORMs** can be obtained from the MOD Internet Site:<https://www.aof.mod.uk/aofcontent/tactical/toolkit/index.htm>

2. If the required forms or documentation are not available on the MOD Intranet site requests should be submitted through the Commercial Officer named in Section 1.

Schedule of Requirements

Item	Description*	Year 1 (September 2020 to August 2021)			Year 2 (September 2021 to August 2022)			Year 3 (September 2022 to August 2023)		
		Price Per Item	Estimated Number Annually**		Price Per Item	Estimated Number Annually**		Price Per Item	Estimated Number Annually**	
1	Accumulator	██████	█		██████	█		██████	█	
2	Flexible Hose	██████	█		██████	█		██████	█	
3	Pressure Controller	██████	█		██████	█		██████	█	
4	Pressure Indicator	██████	██		██████	██		██████	██	
5	Pressure Relief Vv	██████	█		██████	█		██████	█	
6	Stop Vv	██████	█		██████	█		██████	█	
7	Temperature Switch	██████	█		██████	█		██████	█	
8	Hydrostatic Test <250 Litres*	██████			██████			██████		
9	Pressure Gauge Calibration (PI)	██████	██		██████	██		██████	██	
10	Cylinder Hydrostatic Tests ***	██████			██████			██████		

		Price Per Man Hour	Estimated Hours Annually	Expected Annual Cost	Price Per Man Hour	Estimated Hours Annually	Expected Annual Cost	Price Per Man Hour	Estimated Hours Annually	Expected Annual Cost
11	Maintenance	█	█		█	█		█	█	
		Year 1 Maximum Liability		█	Year 2 Maximum Liability		█	Year 3 Maximum Liability		█
								Maximum Liability for contract		█

Please note equipment may be added or removed through the contract duration and set prices for those will be agreed in advance or charged at the hourly rate.

* Work on items due Feb 22.

** This is estimated usage annually and not a guarantee of services required. Actual requirements may be higher or lower dependent on the usage.

*** Required every 60 months (all units on the list require testing during the period of the contract). 9.1 Cylinders: 4 due Jan 21, 2 due Oct 21, 4 due Apr 23, 3.75 Cylinders: 4 due Jul 21, 4 due Oct 21.

Item Number	Consignee Address (XY code only)
All	HM Naval Base Portsmouth

Item Number	Payment Schedule
	Payments to be made following delivery of each individual purchase/service

Statement of Requirements

GENERAL SCOPE

1. This Statement of Requirement is for the provision of the following:
 - a. Statutory and MOD Regulatory testing, examination and certification of:
 - i. High Pressure (H.P) systems.
 - ii. Associated equipment (i.e. Compressors).
 - b. Modification of existing pressure systems (Annex A) as required including replacement of defective parts to equipment as required.
 - c. To carry out remedial repairs as identified following system examination within the timescale specified in the recommendation.
 - d. To carry out repairs of existing systems and emerging recommended maintenance/testing as required, including replacement of defective parts to equipment as required.
 - e. To carry out breakdown repairs and on systems critical to training shall require a 24-hour response time.
 - f. Service of compressors as listed (Annex B).
2. These Pressure Systems are used in support of training equipment at the Maritime Warfare School (MWS) Defence Diving School (DDS) recognized sites only.

THE COMPETENT PERSON

3. The Supplier will be a suitably qualified Competent Person as defined in the Statutory Instruments 2000 No. 128 Part 1, Paragraph 2 and amplified within Regulation 2, Interpretation, paragraphs 1, 17, 28 to 36 of the Pressure Systems Safety Regulations (PSSR) 2000 Approved Code of Practice (ACoP) L122 (Second Edition).
4. The appointed Supplier shall:
 - a. Understand and be conversant with, the design and safe operation of the types of installed pressure systems listed at Annex A.
 - b. Capable of executing the preparatory work and Examination/Test Procedures, remedial repairs, maintenance and installation of equipment associated with Pressure Systems as specified in the Compliance Management Procedures.
 - c. Possess formal qualifications (as defined) for that of a Competent Person, or in the case of a body corporate "Competent Person" carrying out the contractual requirements, have sufficient qualified and experienced staff (as defined).
 - d. Provide calibrated test equipment necessary and sufficient to execute the provisions of the Written Schemes of Examination (WSE).
 - e. Be required to provide advice to the Authority on Regulations and other

technical matters arising during the course of the contract.

5. The appointed Supplier on behalf of the Authority, will be required to maintain an ongoing Regulatory Management Programme for MWS DDS recognized sites in accordance with:
- a. PSSR 2000 ACoP, Pressure Systems Safety Regulations Statutory Instruments (SI) 2000 No. 128.
 - b. Joint Services Publication (JSP) 319 - Joint Service Safety Regulations for the Storage and Handling of Gases
 - c. Joint Services Publication (JSP) 375 - Management of Health and Safety in Defence.
Royal Navy Book of Reference (BR) 2000(89) - Compressed Gas System, Design and Engineering Practices.
 - d. Diving at Work Regulations 1997.

The current Management Programme is a WSE which details the physical layout of system with components, identification, status, schematics etc, last test date next test date etc...

6. The Supplier shall ensure the programme of WSE, Pressure Vessels and Gauge testing and calibration is run concurrently.

SECTION 1 - STATUTORY AND MOD REQUIREMENTS

REGULATORY COMPLIANCE MANAGEMENT DOSSIER (RCMD)

7. In order to meet the Statutory requirements, MWS DDS are to hold the Master copy of the thirteen-part RCMD for each system, which contains the following information:

Section 1	Index risk.
Section 2	Written scheme certificate(s).
Section 3	System description and safe working limits.
Section 4	Drawing and symbols sheet.
Section 5	Schedule of parts.
Section 6	Written Scheme Examination (WSE) procedures.
Section 7	Examination report and system review.
Section 8	Test certificates.
Section 9	Operating and maintenance instructions.
Section 10	Maintenance records.
Section 11	Historical WSE procedures, reports and certificates.
Section 12	Notice of postponement.
Section 13	Modification, replacement and repair record.
Section 14	Correspondence.

8. The RCMD forms the history of the system and any change to the system shall be recorded in the relevant section.

9. The RCMD shall be maintained and updated by the competent person but shall remain the property of the Authority.

10. The creation by the Contractor of RCMD WSE documentation for new systems as

required.

INSPECTION AND WRITTEN SCHEMES

11. Inspection and written schemes are required for systems greater than 250 bar litres, which includes the following:

- a. High pressure compressed air at approximately 276 bar.
- b. High pressure breathing air at approximately 276 bar.

UNSAFE SYSTEMS

12. Where the Supplier has declared a system unsafe for further use, the Training Delivery Training Manager (TDTM) shall be immediately informed. Before leaving site, the Supplier shall note the findings on the draft report and the Site Procedure Summary and System Responsibility Record. The findings are to be reported to the TDTM within 24 hours of the System being declared unsafe. A notification by Email is acceptable.

TAGS

13. Where a WSE is applicable, critical items and main non-critical items are to be tagged. Tags are to be colour coded as follows:

- a. BS 20E51 – Light Blue Compressed air systems.
- b. BS 08C35 – Yellow Ochre Other gas systems.

SUPPLEMENTARY TESTS

14. In addition to the formal examination, The Supplier may recommend that supplementary tests are required. Where such recommendations are made, details of the requirement, supported by reasons for the recommendation, shall be forwarded to TDTM. The Supplier shall not undertake any additional work until the Authority gives written formal approval.

SECTION 2 - PROCEDURES

PROCEDURE FOR EXAMINATION AND TEST

Note: No Examinations or Tests are to be carried out without the express approval of the Authority's representative.

15. The Supplier is to liaise with the Authority's representative and TDTM to confirm the requirements of the year's scope of examination, and mutually agree provisional dates when examinations shall take place.

16. The Order Form (Annex C) will be issued to provide written approval for the task to proceed.

17. On receipt of the Order Form, the Supplier shall consult the Authority's representative and the TDTM to confirm the date of the examination and to whom the Supplier is to report daily.

18. The Supplier is to contact the Authority's representative to arrange the advance works required to be performed by the Establishment and the hand-over date of the equipment from the Establishment to the Examiner. The Establishment will provide the Supplier with the Regulatory Compliance Management Dossier (RCMD).

Note: The RCMD contains information or the preparatory work required to prepare each critical article for examination (Section 6). The Examiner is to follow these instructions.

19. The Examination shall be in accordance with the following procedure:

- a. Plan examination to ensure minimum system down time.
- b. Ensure the availability of consumable items that may be required when effective re-assembly of examined articles.
- c. The Establishment staff shall de-pressurise and make safe the system (or part system) to facilitate safe examination.
- d. The TDTM shall issue a permit that will authorise the hand-over of the system into the keeping of the Supplier's team leader. Acceptance shall be in writing and shall note any defects or malfunctions of components.
- e. Isolate articles and/or de-mount from system as appropriate preparatory to examination and testing.
- f. Examine/test critical items using Suppliers own calibrated test equipment (current test certificate of test equipment to be provided if requested) and main non-critical items in accordance with the appropriate WSE.
- g. Refit components to system.
- h. Make any minor adjustments required e.g. PRV setting.
- i. On completion of the work by the Supplier the system shall be handed back to the TDTM or his representative, to re-pressurise.
- j. The Supplier shall examine the complete system including pipe work to ensure that no leaks exist, that controls are functioning correctly, and that the integrity of the system is sustained.
- k. Review the system schematics to ensure that the WSE reflects the system as installed. Facilitate updates of the RCMD if found to be at variance with the system as seen. Review the WSE in the light of any changes and amend as appropriate. Any article changes that require additional WSE's are to be added to the RCMD.
- l. Issue preliminary report of the salient features of the examination findings to TDTM. A hand-written document is acceptable.
- m. Complete "Site Procedure summary and the System Responsibility Record" to inform the TDTM that a system may be returned to service.
- n. Complete all entries of examination in the appropriate section of the RCMD.
- o. Demonstrate operability of the system and formally hand back the system to

the TDTM or their representative.

20. Within 10 working days of the annual examination, the Competent Person shall issue a formal report of the findings to the TDTM and provide a copy of the report to the Authority's representative. This report is to contain the following information

- a. Articles examined according to the schedule (Section 5 of the RCMD).
- b. Report of findings.
- c. Statement of defects found during the course of examination.
- d. Statement of the nature of remedial work required to make good defects, together with the specific date by which the rectification shall be completed.
- e. The report must include a statement as to whether the system is safe for continued use.
- f. The Supplier shall state on the records when the next system examination is due.

21. All examined critical articles of a pressure system are to be identified with a label showing date of examination, name of examining body, and due date of next examination. The label shall be affixed to the equipment or to the back of the identification tag that is affixed to the subject article.

22. Upon completion of all critical article examinations, the Examiner shall state whether the content and frequency of the WSE is considered suitable for the next examination. If any change is required, it shall be reported in the Examination Report, and the relevant documents (Sections 5, 6 and 13) changed accordingly.

PROCEDURE FOR EXAMINATION PRESSURE VESSEL (PLATED)

23. These articles are identified in the RCMD (Section 4, 5 and 6) under Tag Reference numbers prefixed "A" and "R".

- a. "A" tags are Pressure Vessels other than compressed air receivers, e.g. HP compressed air filters, compressed oil reclaimers, coolers (various).
- b. "R" tags are defined as air receivers (compressed air accumulators).

24. Pressure vessels are to be examined in accordance with the Pressure Regulations at intervals as defined in the WSE's.

25. Examinations are to include ultrasonic shell thickness measurement, and hydrostatic test.

26. Air Receivers are to be hydrostatically tested every 10 years as a minimum, or at a period deemed by the Competent Person.

27. The Supplier is to supply all tools/test equipment to carry out the test.

28. A certificate of examination/test shall be issued for the subject vessel in accordance with Section 9 of the RCMD. A label shall be affixed to the vessel showing its Serial Number,

WSE number, TAG reference number, safe working pressure of the vessel, hydrostatic test pressure applied, date of test and date of next test.

29. On completion of the test, the Supplier shall ensure that the vessels are thoroughly dried.

SECTION 3 - MAINTENANCE AND REPAIR

30. To undertake repair of identified corrective actions identified during pressure system examination/testing (covered under a separate provision) shall be carried out by the mandatory date in the reports recommendation.

Note: No work to be carried out without prior authorisation by Authority's representative or TDTM.

31. To undertake breakdown repairs on systems listed in Annex A.

32. Breakdown repairs on systems critical to training shall require a 24-hour response time. A limit of liability (L of L) shall be placed on the Order Form form to allow investigation to be carried out and repair within the L of L.

33. Authorisation to proceed will be subject to a report on the findings of the defect and costs associated with the repair/replacement being accepted by the Authority's representative or TDTM.

34. To carry out modifications/repairs to pressure systems of existing systems as required including replacement of defective parts to equipment as required.

Note: The person who modifies or repairs a pressure system at work shall ensure that nothing about the way in which it is modified or repaired gives rise to danger or otherwise impairs the operation of any protective device or inspection facility.

35. To undertake routine service and maintenance in accordance with the manufacturers' recommendations.

36. The relevant WSE RCMD shall be updated as required on completion of works carried out on the system.

ADDITIONAL REQUIREMENTS

37. The Supplier shall have ISO 9001 accreditation with a suitable scope for the work required.

38. All work shall be carried out in accordance with current Regulations & Standards appertaining to the type of work undertaken.

39. The Suppliers Mechanical staff that may be required to work on Pressure Systems must be certified by the Establishment Approved Person (AP) for Pressure Systems. To obtain this certification individual fitters shall:

- a. Prove their competence by showing original indentures, course certification etc.
- b. Hold a current Basic First Aid Certificate.
- c. Hold a current Basic Fire Fighting Certificate.

40. The Supplier shall supply all tools and lifting equipment (with current certification) and any other equipment as necessary to complete this task.

41. The whole of the work covered by this specification shall be undertaken without MoD assistance unless otherwise stated.

42. All materials required to carry out the task shall be supplied by the Supplier unless otherwise stated.

WORK ORDERS – ORDER FORM

43 Work Orders (Annex C), shall be issued for each site visit and provides authority to the Supplier to attend site and undertake the work. Acknowledgement of the order along with the details of who is attending, when and vehicle details forms an audit trail and prevents undue delay at the security gate when attending site.

44. The Supplier's engineer attending site shall report to the TDTM or their nominated point of contact on arrival and again on completion of the site visit. The Supplier's engineer shall obtain a signature on Part 3 of the works order (Order Form) which forms part of the audit trail.

HEALTH AND SAFETY

45. Prior to starting work the Supplier will be required to forward the following:

a. Risk Assessment: *It should be noted that the Risk Assessment should include the following elements*

- i. The tasks should be identified.
- ii. All hazards should be identified
- iii. Hazards should be eliminated where possible.
- iv. Persons at risk should be identified.
- v. All risks should be evaluated.
- vi. Controls should be developed for these risks.
- vii. The Assessment should be recorded.
- viii. Controls should be implemented.
- ix. The Assessment should be reviewed and monitored as necessary.

b. Proposed Safe System of Work/Method Statement: *It should be noted that the Method Statement should include the following elements:*

- i. Details of work to be done.
- ii. Method of doing this work
- iii. Location of the worksite.
- iv. Project timing and phasing.
- v. Details of Personnel, their skills, training and competence.
- vi. Details of equipment to be used including Maintenance procedures and records.

c. Certification and Tests of Plant and Equipment being employed.

d. COSHH assessments for any hazardous materials being brought and used on site.

WORKING HOURS

46. The Supplier will normally be required to work within the normal working hours of the Establishment i.e. 0800-1600 Mon to Fri. Work outside of normal working hours must be agreed with TDTM.

WORKSITE

47. The Worksite is to be kept clean and tidy at all times.

Annexes:

- A. Recognised HP Air Systems within Maritime Warfare School (MWS) Defence Diving School (DDS).
- B List of compressors in use
- C Work Request Form
- D Key Performance Indicators
- E Additional Questions and Answers

Annex A

Recognised HP Air Systems within Maritime Warfare School (MWS) Defence Diving School (DDS).

Location	WSE Number
Deepwater Bldg & TMCC.	94/03/972.
Pasley Building, Jetty and Tank Top.	95/07/2553.
Tool Hut.	94/05/2030.
HMS Excellent - Building 167 & 170.	95/07/2539.
Wyke Regis.	99/01/12894.
DTB Dipper.	13/09/3713.
DTB Diver.	13/09/3714.
DTB Reclaim.	13/09/3715.

Annex B

List of compressors in use

Location	Make / Model	Quantity
Deepwater	Saur / WP4351	2
Pasley	Hamworthy / Type BP20V	3
Whale Island - Bldg 167 & 170	Hamworthy / Type BP75	2
Wyke Regis	Hamworthy / 4S16MDE	1

Annex C**Contract Order Form**

Establishment	UIN	Establishment Order Number
Site A	A1234B	COLW 1234

Location	Earliest Start Date	Required Completion Date
Room 1, Building A, HMS Collingwood	1 July 2018	30 September 2018

Establishment Contact & Number/Email	Contractor Contact & Number/Email
Mr A Officer 02392 654321 a.example@mod.gov.uk	Mrs A Contractor 02392 123456 acontractor@contractor

PART 1 - Task Description

To detail all requirements and full description of work to be carried out

To raise Demand Order Form.

Additional information can be provided in a full Statement of Requirement which can be attached.

Order Date	Establishment Authorising Signature
1 June 2018	<i>A Officer</i>

PART 2 – Contractor Acceptance

All relevant boxes to be ticked and supporting information/documents provided

- I acknowledge receipt of this order and accept the order.
- I acknowledge receipt of this order and do not accept the order for the following reasons:
- The cost for this task will be £ (ex VAT).
- A detailed quote is attached (including evidence of costs for any parts purchased).
- I estimate the work will commence on:
- I estimate the work will be completed by:

The Contractors representatives will be:

Full Name – Vehicle & Registration – Security Clearance

Name ABCD - Make Model AB12C34 - SC Cleared Reference 1234567

Name EFGH - Make Model AB12C34 - No clearance

Name IJKL – No Vehicle - BPSS

Acceptance Date	Contractors Authorising Signature
-----------------	-----------------------------------

5 June 2018	<i>A Contractor</i>
-------------	---------------------

<p>PART 3 – Establishment Acceptance All relevant boxes to be ticked</p> <p><input type="checkbox"/> Quote has been reviewed and accepted. <input type="checkbox"/> Quote has been reviewed and rejected for the following reasons: <input type="checkbox"/> Confirmation has been given to the Contractor for work to commence on: <input type="checkbox"/> All required tasks were undertaken to a satisfactory standard <input type="checkbox"/> Work was completed on:</p>	
Final Completion Date	Establishment Authorising Signature
1 October 2018	<i>A Officer</i>

<p>PART 4 – Payment Payment to be raised in CP&F on completion of all required tasks</p>	
Requisition Raised Date	Requisition Number
1 October 2018	1234567
Receipt Date	Purchase Order Number
4 October 2018	7654321

Annex D – Performance Management**Key Performance Indicators**

1. If a breakdown task has not been completed within 24 hours from notification being received by the Contractor (unless through circumstances outside of the Contractor's control) then payment will be made at the Contractor's standard rate for repair/installation. A further 10% will be deducted from the standard rate payable for each subsequent 24 hour period for which the task is not completed.
2. If a planned task has not been completed within the timescales provided by the Contractor on the demand order form (unless through circumstances outside of the Contractor's control) then a 5% deduction will be made from the quoted price for the task for each 24 hour period for which the task is not completed.
3. If an annual maintenance task has not been completed within the timescales provided by the Contractor (unless through circumstances outside of the Contractor's control) then a 5% deduction will be made from the quoted price for the task for each 24 hour period for which the task is not completed.

Annex E: Additional Questions and Answers

Question	Answer
What is the size and ratings of all Pressure vessels at each location?	See Figure 1
What is the size and ratings of all Compressors at each location?	See Figure 2
What is the quantity and types of PRVs at each location?	See Figure 3
What is the quantity and types of Gauges at each location?	See Figure 4
What is the size and length of Pipework at each location?	See Figure 5
How many charging points are at each location?	See Figure 6
Can you confirm if the vessels are to be stripped down, prepared and boxed up by a 3rd party or by the inspection body?	We wish it to be carried out by the inspection body.
Can you confirm maintenance of the items does not form part of this contract as this presents a conflict of interest in accordance with HSE Guidelines?	We wish it to be managed by the contractor as part of the contract. If the contractor is unavailable, they may have to sub-contract it.
Would the inspection body be required to access the asset Database directly to upload reports, or would these being provided in an electronic format be acceptable?	Soft copies of current Written Scheme of Examination can be provided and we wish these to be maintained post inspections and available.
Where a modification or a remedial repairs are required or replacement of defective parts are needed then is this additional to the contract?	Any additional tasks that aren't specified with a set rate in the contract will be paid at the hourly rate. Any parts at cost price in accordance with process set out in the order form.
For this tender is it acceptable to use a subcontractor for the maintenance element?	There are no issues with a Sub Contractor conducting the maintenance element, as long as they have the necessary skillset to work on the compressors.
We note that the supplier is to provide all materials, is there a formula to be used with reference to the charges for the materials, possibly in relation to the manufacturer's list price?	All materials will be paid at cost price in accordance with the order form.

<p>We note that the supplier is to update existing WSEs where necessary and produce new WSEs where required, is this to be charged extra as and when required or are fixed prices required for these activities?</p>	<p>Historically all administrative elements were managed within the contract and would wish this to remain the same.</p>
<p>We note that 9 off PBACs are listed in the Schedule of Requirements, please could you advise:</p> <ol style="list-style-type: none"> Are there any WSEs in existence for these units? If there are not current WSEs will the contractor be required to produce new WSEs? Will the contractor need to conduct the periodic examination of these units <p>Will the contractor need to conduct the maintenance on these units?</p>	<p>PBAC(S) are MOD supplied and supported with BMTL carrying out Level 1 maintenance, to that end this element can be removed from the SOR.</p>
<p>Will the contractor be required to produce individual calibration certificates for the annual examination of all pressure relief valves including those mounted on pressure controllers?</p>	<p>Yes.</p>
<p>Will the contractor be required to produce individual calibration certificates for the 6-monthly examination of all pressure gauges?</p>	<p>Yes.</p>
<p>In the Statement of Requirements, it advises that individual fitters shall hold a Basic Fire Fighting Certificate, please could you advise whether a Fire Safety Training certificate which is Accredited by CPD and Approved by RoSPA Will be acceptable?</p>	<p>Yes.</p>
<p>With reference to DEFFORM 68 – Hazardous Articles, the only material that would be delivered under the contract that could be considered hazardous would be the various compressor oils, please could you advise whether these need to be listed on this DEFFORM and whether materials data sheets would be required.</p>	<p>The Contractor shall establish if the Contractor Deliverables are, or contain, Dangerous Goods as defined in the Regulations set out in Clause 9 in the Terms & Conditions.</p>
<p>What are the compressors and their specifications?</p>	<p>2 x SAUR, WP4351, 4 Stage Air Cooled, (max working pressure 276 Bar)</p> <p>1 x Paramina Model T-OP-18E, 3 Stage Air Cooled, reciprocating, 300lpm, (working range 40-400 Bar, max pressure 600 Bar)</p> <p>2 x Hamworthy BP75, 45KW, Water Cooled.</p> <p>3 x Hamworthy BP20V, 4 Stage, Type 4525, (max working pressure 276 Bar)</p>

How is work planned?	The Babcock Training Delivery Training Manager (TDTM) runs a spreadsheet/database, he looks ahead and with a bring up diary raises Work Request to DDS ESO to process and forward to the supplier to then come on site during a nominated window of opportunity to carry out the works. Once works complete and Invoice received the DDS ESO actions payment via CP&F.
Who can produce the drawings and documentation to support the WSE following inspections?	As long as the DDS had a set of technical drawings which reflect the status of the HP Air systems that have been verified and sanctioned by an appropriately qualified person to meet legislative requirements and are safe for the Authorising Person to make isolations from the source of the documentation doesn't matter.

Figure 1: Size and ratings of all Pressure vessels at each location

Location	Cylinder Size	Cylinder Working Pressure	Quantity
Horsea Island – Deepwater	9.1 cubic foot	276 Bar	4
Horsea Island – Pasley	9.1 cubic foot	276 Bar	2
HMS EXCELLENT – Bldg 170	9.1 cubic foot	276 Bar	4
DTB's (Dipper, Diver & Reclaim) **	3.75 cubic foot	276 Bar	4 per Boat, 12 in total

** DTB Diver is currently having its 4 cylinders refurbished and tested to DefStan to be replaced during the craft's current refit package. Discussion is underway between DE&S and DDS about the future of DTB's Dipper and Reclaim with the DTBs to be replaced Q4 21.

Figure 2: Size and ratings of all Compressors at each location

Location	Compressor Details	Number of
Horsea Island - Deepwater	Sauer WP4351, 4 Stage reciprocating air compressor	2
Horsea Island - Pasley	Hamworthy BP20V, 4 cylinder, 4 Stage air cooled reciprocating compressor.	3
HMS Excellent – Bldg 170	Hamworthy BP75, 4 cylinder, 4 stage closed circuit water cooled reciprocating sir compressor.	2
Wyke Regis Training Area	Paramina model Typhoon Open 18E, 3 Stage HP Air Compressor. Normal outlet pressure 232	1

	Barg	
--	------	--

Figure 3: Quantity and types of PRVs at each location

Location	PRVs (Type)	Number of.
Horsea Island – Deepwater / Career Jetty End	Hale Hamilton RS12	3
	Hale Hamilton RS23	4
	Hale Hamilton RS 9/1	1
	Saur ¾"	8
	MDE Series 60, D7	2
	Pressure Controllers (Hale Hamilton)	7 x PCs / 11 x PRVs
Horsea Island – Pasley / Pasley Tank Tool Hut	MDE Series 60/Pt No H013675	3
	SEETRU, 311800103	12
	Hale Hamilton RS23	6
	Hale Hamilton RVA10	2
	Pressure Controllers (Hale Hamilton).	5 x PCs / 8 x PRVs
Horsea Island – Tool Hut	Pressure Controller, Hale Hamilton RH2 (2 x PRVs)	1 x PC / 2 x PRVs
HMS EXCELLENT - Bldg 167/170	MDE Series 60/Pt No H013675,	1
	SEETRU, 359000024	5
	SEETRU, 359530000	1
	SEETRU, 616810073	5
	SEETRU ½" Set 4.82 Bar	2
	Hale Hamilton RS23	4
	Hale Hamilton RS11	1
	Hale Hamilton RS9	1
Pressure Controller (Hale Hamilton)	7 x PCs / 9 x PRVs	
Wyke Regis Training Area	CE0437, Eniso 4126-1	1
	Hale Hamilton RS23	1
	Niezgodka, ½", Set 207 Bar.	1
	PRV ¼" Set 50 Bar.	1
	MDE Series 60/Pt No HO13675	1
DTB's (Dipper, Diver & Reclaim)	Hale Hamilton R23/1	4 per Boat, 12 in total
	Hale Hamilton RS12/1	1 per Boat, 3 in total

Figure 4: Quantity and types of Gauges at each location

Location	Gauges (Type)	Number of	Number Requiring 6 mthly calibration.
Horsea Island – Deepwater / Career Jetty End	0-400 Barg Admiralty Pattern Gauges (DefStan 66-2) Compressor Gauges (5 per unit) – OEM variant	72	23

Horsea Island – Pasley / Pasley Tank Tool Hut	0-400 Barg Admiralty Pattern Gauges (DefStan 66-2) Compressor Interstage Gauges (4 per unit) – OEM variant	43	14
Horsea Island – Tool Hut	0-400 Barg Admiralty Pattern Gauges (DefStan 66-20)	7	3
HMS EXCELLENT - Bldg 167/170	0-400 Barg Admiralty Pattern Gauges (DefStan 66-2)	34	6
Wyke Regis Training Area	0-400 Barg Admiralty Pattern Gauges (DefStan 66-2) Gauges (3 per unit) – OEM variant.	8	4
DTB's (Dipper, Diver & Reclaim)	0-400 Barg Admiralty Pattern Gauges (DefStan 66-2)	5 per boat, 15 total	3 per boat, 9 in total.

Figure 5: Size and length of Pipework at each location

Location	Size and Length (not known)
Horsea Island – Deepwater / Career Jetty End	12mm Sandvik stainless steel.
Horsea Island – Pasley / Pasley Tank / Floating Tool Hut	12mm Sandvik stainless steel.
HMS EXCELLENT - Bldg 167/170	12mm Sandvik stainless steel.
Wyke Regis Training Area	12mm Sandvik stainless steel.
DTB's (Dipper, Diver & Reclaim)	12mm Sandvik stainless steel.

Figure 6: Number of charging points at each location

Location	No. Charging Points
Horsea Island – Deepwater / Career Jetty End	24
Horsea Island – Pasley / Pasley Tank / Floating	14
Horsea Island Floating Tool Hut	0
HMS EXCELLENT - Bldg 167/170	8
Wyke Regis Training Area	4
DTB's (Dipper, Diver & Reclaim)	2 per Boat, 6 in total