STATEMENT OF WORK (SOW)
(Grade D Air Compressor & Regenerative Air Dryer Rental)

1. **Scope:**
   - 1.1 Title: Grade D Air Compressors and Regenerative Air Dryers Rental for Dry Air Layup
   - 1.2 Job Order: 38NIM99203 S01
   - 1.3 POP-A: Service rental from vendor to provide one (1) 800 cubic feet per minute (CFM) Grade D Air Compressors, and one (1) 930 cfm minimum Regenerative Air Dryer Units meeting the specifications provided herein:
     - 1.3.1 POP to provide one (1) Grade D Air Compressors and one (1) Regenerative Air Dryers to support work at Naval Operating Base (NOB) Norfolk, Norfolk, VA. At the conclusion of POP, one (1) Grade D Air Compressors and one (1) Regenerative Air Dryers will be returned to vendor.
     - 1.3.2 Work to start and end at Naval Operating Base (NOB) Norfolk, Norfolk, VA.
     - 1.3.3 **Period of Performance:**7/13/2026 through 10/30/2026, with the option to extend rental of air compressors and/or air dryers for six (6) months in one (1) month increments. Rental extensions may be terminated based on need. This charge will be prorated.

2. **Reference:**
   - 3.1. CGA G-7.1
   - 3.2. ISO 8573-1
   - 3.3. NAVFAC P-307
   - 3.4. FAR 22.102-1(a) (Safety)
   - 3.5. OSHECM Chapter 250

3. **General Specifications:**
   - 3.1 **GRADE "D" AIR COMPRESSOR PARAMETERS:**
     - 3.1.1 The air compressors shall provide at least 800 cubic feet a minute (CFM) at 125 psig and shall be of an oil free, rotary screw design delivering Grade "D" air per CGA G-7.1 or oil free air per ISO 8573-1 Class 0.
     - 3.1.2 Each air compressor must have a moisture separator (electric type) after cooler.
   - 3.2 **GRADE "D" AIR COMPRESSOR REQUIREMENTS:**
     - 3.2.1 Compressors must be of a rotary screw design. An oil flooded rotary screw design with attached oil separator is not acceptable.
     - 3.2.2 Compressors must be a fixed speed design. A variable speed design is not acceptable.
     - 3.2.3 The air compressors shall be electrically powered, suitable for **460 VAC, 3-phase, 60HZ, capable of running on a 400 amp circuit breaker**.
     - 3.2.4 The air compressors must be capable of running 24 hours/day, 7 days/week.
     - 3.2.5 The compressors must have a gearbox casing designed to maintain a vacuum on its oil contents in order to prevent a potential of contamination of the air supply in the event of a seal failure.

DRAFT

3.2.6 The air compressors shall be equipped with fully automatic switching controls, alarms, and indicators so that the compressor packages require monitoring no more than once every 24 hours by operators after start-up.

3.2.7 Units will be in continuous use outdoors, and will be directly exposed to everyday weather and salt water air. All exposed components must be weather resistant. All components must meet or exceed NEMA Type 4 for outdoor use. It is the contractor's responsibility to provide any protective coverings for the units.

3.2.8 Whip-check devices must be supplied with compressors.

3.3 GRADE "D" AIR COMPRESSOR CONSTRUCTION

3.3.1 The air compressors shall be wholly contained in one container or skid per compressor. The container/skid shall be constructed to be portable, capable of being both transported by forklift and crane.

3.3.2 The air compressors shall comply with the applicable OSHA regulations.

3.3.3 The air compressors shall comply with the applicable ASME Boiler and Pressure Vessel Code.

3.3.4 Relief valves shall have intact wire seals on their adjustment caps and shall bear tags indicating the set point, testing activity and test date.

3.3.5 Pressure gauges shall be in calibration to manufacturer standards and shall bear labels showing calibration which will not expire during the contract period.

3.3.6 Power cable end fittings will be lugged and color coded to indicate proper phasing. **See Appendix A of this section – "Interface Requirements for Rental Equipment Hook-up to GOVERNMENT Temporary Service" for proper electrical connections required**.

3.3.7 The inlet and outlet of air compressors shall be 2" Male NPT. If units are not equipped with 2" Male NPT inlet/outlet connections, contractor shall provide and preinstall adapters as required at no cost to the government. **See Appendix A of this section– "Interface Requirements for Rental Equipment Hook-up to GOVERNMENT Temporary Service" for proper mechanical connections required**.

3.3.8 The equipment shall be outfitted with suitable attachments for overhead lifting.

3.3.9 Each lifting attachment shall be capable of supporting one half the gross weight of the equipment with a design factor of five to one based on ultimate strength.

3.3.10 Each lifting attachment shall be designed to accept a standard anchor shackle (Federal Specification RR-C-271D, type IVA) which is capable of supporting one half the gross weight of the equipment.

3.3.11 Design of the lifting attachments shall be such that the shackles are not side loaded.

3.3.12 Each lifting attachment shall be conspicuously marked in a contrasting color "Lift Here". Letters shall have a minimum height of 1".

DRAFT

3.3.13 The equipment shall be marked in a prominent location with the gross weight. Marking shall be upper case letters of a contrasting color, with a minimum height of 1". Marking shall include the units (i.e. "pounds", "long tons", etc.).

3.3.14 The equipment shall be provided with a lifting sketch / rigging diagram.

3.3.15 The lifting sketch shall detail any specific requirements and / or configurations that must be met prior to lifting (i.e. "engage swing lock", "Tilt mast back fully", "Rotate lifting basket over side", "Utilize 10' minimum length slings", "Spreader beam required", etc.).

3.4 REGENERATIVE AIR DRYER PARAMETERS:

3.4.1 Regenerative air dryer units shall be capable of handling at least 930 cubic feet a minute (CFM) at 125 psig. Regenerative air dryer units must be able to provide a dew point of -65 degrees F.

3.5 REGENERATIVE AIR DRYER REQUIREMENTS:

3.5.1 The regenerative air dryer units shall be electrically powered, suitable for **110/120 VAC, 1-phase, 60HZ**. The dryers shall be self-contained so that the system is capable of producing dry air WITHOUT any additional utilities.

3.5.2 The regenerative air dryer units must provide oil-free air.

3.5.3 The regenerative air dryer units must be capable of running 24 hours/day, 7 days/week.

3.5.4 The regenerative air dryer units shall be equipped with fully automatic switching controls, alarms, and indicators so that the dryer package requires monitoring no more than once every 24 hours by operators after start-up.

3.5.5 The regenerative air dryer units shall include the following to meet the requirements of this specification:

a. Regenerative Air Dryer units are to be heatless, non-refrigerated, twin tower design of a regenerative nature utilizing hygroscopic desiccant with automatic condensate purges. One tower shall provide dry air while the other is in regeneration mode.

3.5.6 Units will be in continuous use outdoors, and will be directly exposed to everyday weather and salt water air. All exposed components must be weather resistant. All components must meet or exceed NEMA Type 4 for outdoor use. It is the contractor's responsibility to provide any protective coverings for the units.

3.6 REGENERATIVE AIR DRYER CONSTRUCTION

3.6.1 The regenerative air dryer units shall be wholly contained in one container or skid per dryer. The containers/skids shall be constructed to be portable, capable of being both transported by forklift and crane.

DRAFT

3.6.2 The regenerative air dryer units shall comply with the applicable OSHA regulations.

3.6.3 The regenerative air dryer units shall comply with the applicable ASME Boiler and Pressure Vessel Code.

3.6.4 Relief valves shall have intact wire seals on their adjustment caps and shall bear tags indicating the set point, testing activity and test date.

3.6.5 Pressure gauges shall be in calibration to manufacturer standards and shall bear labels showing calibration which will not expire during the contract period.

3.6.6 Power cable end fittings will be lugged and color coded to indicate proper phasing. **See Appendix A of this section – "Interface Requirements for Rental Equipment Hook-up to Government Temporary Service" for proper electrical connections required**.

3.6.7 The inlet and outlet of each Regenerative Air Dryer shall be 2" Male NPT. If units are not equipped with 2" Male NPT inlet/outlet connections, contractor shall provide and preinstall adapters as required at no cost to the government. **See Appendix A of this section– "Interface Requirements for Rental Equipment Hook-up to Government Temporary Service" for proper mechanical connections required**.

3.6.8 The equipment shall be outfitted with suitable attachments for overhead lifting.

3.6.9 Each lifting attachment shall be capable of supporting one half the gross weight of the equipment with a design factor of five to one based on ultimate strength.

3.6.10 Each lifting attachment shall be designed to accept a standard anchor shackle (Federal Specification RR-C-271D, type IVA) which is capable of supporting one half the gross weight of the equipment.

3.6.11 Design of the lifting attachments shall be such that the shackles are not side loaded.

3.6.12 Each lifting attachment shall be conspicuously marked in a contrasting color "Lift Here". Letters shall have a minimum height of 1".

3.6.13 The equipment shall be marked in a prominent location with the gross weight. Marking shall be upper case letters of a contrasting color, with a minimum height of 1". Marking shall include the units (i.e. "pounds", "long tons", etc.).

3.6.14 The equipment shall be provided with a lifting sketch / rigging diagram.

3.6.15 The lifting sketch shall detail any specific requirements and / or configurations that must be met prior to lifting (i.e. "engage swing lock", "Tilt mast back fully", "Rotate lifting basket over side", "Utilize 10' minimum length slings", "Spreader beam required", etc.).

DRAFT

3.7 **MARKINGS:**

3.7.1 The regenerative air dryer units shall have the (1) air capacity, (2) minimum/maximum supply pressure, (3) minimum/maximum operating temperature, and (4) the dew point range stamped on a metal plate attached to the equipment. Each major component of the system shall have the manufacturer's name and the manufacturer's serial number stamped on a metal plate attached to the component. No metal stamping is permitted on any surface subjected to high stresses in service, except as permitted by the applicable portions of the ASME Boiler and Pressure Vessel Code.

3.7.2 The air compressors shall have the (1) air capacity, (2) minimum/maximum supply pressure, (3) minimum/maximum operating temperature, and (4) the dew point range stamped on a metal plate attached to the equipment. Each major component of the system shall have the manufacturer's name and the manufacturer's serial number stamped on a metal plate attached to the component. No metal stamping is permitted on any surface subjected to high stresses in service, except as permitted by the applicable portions of the ASME Boiler and Pressure Vessel Code.

4. Period of Performance

4.1 **POP: 07/13/2026 through 10/30/2026** with the option to extend rental of air compressors and/or air dryers for six (6) months in one (1) month increments. Rental extensions may be terminated based on need. This charge will be prorated

5. Contractor Requirements:

5.1 Contractor shall supply POC's information (name and phone number) on the equipment.

5.2 **Deliver and pick up air compressors at Naval Operating Base (NOB) Norfolk, Norfolk, Virginia**. Exact location to be determined at delivery by POC.

5.3 If necessary, after delivery, connect any accessory equipment to the air compressors and/or regenerative air dryers. Ensure the air compressors and regenerative air dryer units are set up and ready for the government to connect shipboard when required.

5.4 Contractors provide any material that is required for proper operation of the air compressors and/or regenerative air dryers and accessory equipment throughout the rental period at no extra cost.

5.5 Provide engineering drawings or sketches showing the general arrangement of the air compressors and regenerative air dryer units. These drawings and sketches shall show the flow path through the air compressors and regenerative air dryer units and all auxiliary equipment that are part of the system.

5.6 Provide the separate commercial operating instruction manuals for the air compressors and regenerative air dryer units and all other major components.

5.7 **Provide 24 hours a day, seven-days a week on-call repair service during the rental period at no additional charge.** The contractor will be responsible for

DRAFT

initiating repairs on-site, at Naval Operating Base (NOB) Norfolk, within 24 hours of verbal or written notification that the equipment has malfunctioned at no additional charge. The contractor will replace the malfunctioning unit or component if the air compressors and/or regenerative air dryer units cannot be returned to service within 72 hours of being notified of the original malfunction at no additional charge. Provide all parts requiring repair or replacement at no additional charge.

5.8 When the equipment is required to be moved to the contractor's facility for repair or replacement, the contractor shall be responsible for loss or damage from the time it leaves the government site until it is returned to the government site.

5.9 Contractor personnel shall notify the Temporary Service Zone Manager (TSZM) for authorization prior to any work or maintenance on rental unit.

5.10 For lost items by Government personnel and equipment damaged beyond normal wear and tear, Contractor must submit a claim separate from rental. This is to be submitted no later than 60 days past the end of the rental period.

5.11 The Government reserves the right to return air compressors and/or dryer units at any time prior to the expiration of the rental period. The contractor agrees to prorate costs for the time the air compressors and/or regenerative air dryers are in use by GOVERNMENT only. The Government agrees to give the contractor twenty-four (24) hours-notice for the return of the air compressors and/or regenerative air dryer units if the return is prior to the expiration of rental period.

5.12 Contractor to provide options to allow GOVERNMENT to extend rental of air compressors and/or regenerative air dryer units on a monthly basis. The Government reserves the right to extend the rental period on a monthly basis if necessary for up to six (6) months. The Government reserves the right to return any number of units at any time prior to the expiration of the extension rental period. The contractor agrees to prorate costs for the time the air compressors and regenerative air dryer units are in use by GOVERNMENT only.

5.13 Contractor to contact POC 10 business days prior to the end of rental period to confirm pickup date.

5.14 **Preparation For Delivery**:

5.14.1 The air compressors and regenerative air dryer units must be preserved and packaged per the manufacturer's commercial practice. Packing shall be in a manner that will ensure acceptance by a common carrier and safe delivery at the destination. The shipping container and method of packing must comply with the Uniform Freight Classification Rules or other carrier regulation as applicable to the mode of transportation.

6. Government Responsibility:

6.1 Provide operators for equipment.
- 6.1.1 Perform basic monitoring/visual checks.
- 6.1.2 Equipment movements within or to/from NOB.
- 6.1.3 Provide point of contact for delivery, escort and notification to contractor for rental pickup.
- 6.1.4 Lost items and equipment damage beyond normal wear and tear

7. Safety Requirements:

7.1 "Per FAR 22.102-1(a) entitled "Safety", Contractors are hereby informed that their employees or representatives present on property under Norfolk Naval Shipyard cognizance must follow Federal and State OSHA requirements OSHE OSHECM Chapter Hazardous Energy Control (HEC) requirements or safety requirements for site specific location of the contract.

a. Contractors and Non-GOVERNMENT Government Agencies (NNGAs) are hereby informed that their employees or representatives present on property under Norfolk Naval Shipyard (GOVERNMENT) cognizance must adhere to Federal OSHA requirements for hazardous energy control IAW 29 CFR 1915.89 and must follow Hazardous Energy Control (HEC) procedures as identified in NAVSEA's Occupational Safety, Health, and Environment Corporate Manual (OSHECM) Chapter 250 (latest revision), when performing work under GOVERNMENT contract. All HEC work to be performed by Contractors and NNGAs requires that GOVERNMENT Technical Points of Contact (TPOCs) and/or Contracting Officer's Representatives (CORs) be notified of the HEC scope of work prior to starting work. Any changes or deviations in the initial scope of HEC work requires the GOVERNMENT TPOCs and/or CORs be informed of the change/deviation. Appendix 250.B-1 through B-3 of OSHECM Chapter 250 for multiple employer work identifies when Contractors and NNGAs are required to assign their Lockout/Tags-Plus Coordinator (LOTC) to coordinate HEC work with the cognizant GOVERNMENT LOTC. HEC locks shall be provided by the contractor or NNGA for their employees use. The HEC locks shall have red bodies with name labels or name tags affixed, identifying who installed the HEC lock(s) and a point of contact telephone number. HEC lock name labels and tags must be made of materials that will hold up to the environment to which they are exposed. HEC tags used for Tags-Plus HEC work shall be provided by the cognizant GOVERNMENT LOTC to the contractor or NNGA for their use if machinery, equipment, or systems (MES) cannot be locked out. OSHECM Chapter 250 Tags-Plus procedures will be strictly followed.

b. Contractors and NNGAs may obtain electronic copies of OSHECM Chapter 250 (latest revision) and access the OSHA 1915.89 web site by using the following link to GOVERNMENT's public access web site: http://www.navsea.navy.mil/shipyards/norfolk/default.aspx

DRAFT

c. Names and contact information for GOVERNMENT LOTCs and/or the Building Monitor will be provided by GOVERNMENT TPOC and/or Contracting Officer Representative set forth elsewhere in this award document.

8. DBIDS

Identification Badges and Installation Access.

• Any new contractor, vendor or supplier requesting base access AFTER 31 May 2017 will be required to obtain a DBIDS credential. NCACS credentials will no longer be issued.

• Only DBIDS credentials will be issued to ALL contractors, vendors and suppliers seeking base access AFTER 14 August 2017.

Defense Biometric Identification System (DBIDS) increases installation security and communications by receiving frequent database updates on changes to personnel/credential status, law enforcement warrants, lost/stolen cards, and force protection conditions. The system provides a continuous vetting anytime the DBIDS card is scanned at an installation entry point.

If you currently have a Navy Commercial Access Control System (NCACS) card, the following is required to get a DBIDS credential:

• Present your NCACS Card and a completed copy of the SECNAV FORM 5512/1 to the base Visitor Control Center representative.

• The VCC will pull up your information in the computer, ensuring all information is current and correct.

• Once your information is validated, a temporary DBIDS credential is provided.

• Your temporary credential will have an expiration date, prior to which you will need to obtain your permanent DBIDS credential (~ 90 days).

• For each additional U.S. Navy installation to which you need access, the first time you visit you only need to bring your DBIDS credential and statement of purpose for base access when arriving at the Visitor Control Center.

• The representative will enter base access authorization and then you may proceed to work.

If you do NOT have an NCACS Card, the following is required to obtain a DBIDS credential:

• Present a letter or official document from my government sponsoring organization that provides the purpose for your access.

• Present valid identification, such as a passport or Real ID Act-compliant state driver's license.

• Present a completed copy of the SECNAV 5512/1 form to obtain your background check.

DRAFT

• Upon completion of the background check, the Visitor Control Center representative will complete the DBIDS enrollment process, which includes your photo, finger prints, base restrictions, and several other assessments; after all this is done, you will be provided with your new DBIDS credential.

• You may now proceed to work.

FOR ADDITIONAL QUESTIONS ABOUT OBTAINING A DBIDS CARD, CONTACT YOUR LOCAL BASE VISITOR CONTROL CENTER. INFORMATION IS ALSO PROVIDED AT: www.cnic.navy.mil/om/dbids.html

1.2. One-Day Passes. Participation in the DBIDS is not mandatory, and if the Contractor chooses to not participate, the Contractor's personnel will have to obtain daily passes, be subject to daily mandatory vehicle inspection, and will have limited access to the installation. The Government will not be responsible for any cost or lost time associated with obtaining daily passes or added vehicle inspections incurred by non-participants in the DBIDS.

ECMRA

ENTERPRISE-WIDE CONTRACTOR MANPOWER REPORTING APPLICATION (ECMRA) - The contractor shall report contractor labor hours (including subcontractor labor hours) required for performance of services provided under this contract via a secure data collection site. Contracted services excluded from reporting are based on Product Service Codes (PSCs). The excluded PSCs are:

(1) W, Lease/Rental of Equipment;

(2) X, Lease/Rental of Facilities;

(3) Y, Construction of Structures and Facilities;

(4) S, Utilities ONLY;

(5) V, Freight and Shipping ONLY.

The contractor is required to completely fill in all required data fields using the following web address https://doncmra.nmci.navy.mil.

Reporting inputs will be for the labor executed during the period of performance during each Government fiscal year (FY), which runs October 1 through September 30. While inputs may be reported any time during the FY, all data shall be reported no later than October 31 of each calendar year. Contractors may direct questions to the help desk, linked at https://doncmra.nmci.navy.mil.

DRAFT

PORTABLE ELECTRONIC DEVICES (PEDs)

In accordance with COMSUBLANT/COMSUBPACINST 2075.1C, the use of Portable Electronic Devices (PEDs) while in or on Department of Navy Submarine spaces are prohibited. A portable electronic device (PED) is defined as any non-stationary electronic apparatus with singular or multiple capabilities of, but not limited to recording, storing, and/or transmitting data, voice, video, or photo images (e.g., cell phones, laptops, tablets and wearable devices such as fitness bands and smart watches).

DRAFT

APPENDIX "A"
Interface Requirements
For Rental Equipment Hook-up
To GOVERNMENT Temporary Service

NOTE: All Rental Equipment received by GOVERNMENT must be supplied with proper interface connectors shown below to allow hook-up by GOVERNMENT Shop 99. There may be specific equipment that will require GOVERNMENT; Shop 99 evaluation to determine proper cabling and connectors.

Mechanical Service: Shall have 2" Male NPT inlet and outlet connections.

110-120 VAC Service: Material Manufactured by Duraline
20 Amp or less- 3 foot tail of 12/3 cable w/3MT20 crowsfoot plug
Over 20 Amp and up to 50 Amp : 3 foot tail of 6/3 cable w/3MT50 crowsfoot plug

440 VAC Service: Material Manufactured by Duraline
20 Amp or less- 3 foot tail of 12/4 cable w/ 4MT20 crowsfoot plug
Over 20 Amp and up to 50 Amp- 3 foot tail of 6/4 cable w/ 4MT50 crowsfoot plug Above can also be used on 220VAC Any service over 50 Amp requires box cable

440 VAC 50-100 Amp Service*: Material manufactured by Crouse Hinds*
50- 100 Amps 3-5 foot length of 2/4 cable w/male camlock twist connectors:
Part Numbers:
Brass -A200036-2
Black Sleeve- A200706-7
White Sleeve- A200706-12
Red Sleeve-A200706-9

Over 100 and up to 225 Amps: 3- 5 foot length of 3 conductor 3/0 cable with camlock connectors:
Part Numbers:
Brass - A200038-2
Black Sleeve- A2000706-13
White Sleeve-A2000706-18
Red Sleeve- A2000706-15

Over 225 and up to 400 Amps: 5-15 length of 500 MCM cable w/camlock connectors:
Part Numbers:
Brass- A20028-2
Black Sleeve-A200056-
White Sleeve-A200056-6
Red Sleeve- A200056-3

DRAFT