

**STATEMENT OF WORK  
FOR  
DELIVERY OF BULK HELIUM GAS  
FOR THE  
NAVY EXPERIMENTAL DIVING UNIT (NEDU)**

**17 Jun 2016**

**1.0 SCOPE**

This Statement of Work (SOW) specifies the requirement for the supply and delivery of Bulk Divers' Grade Helium ( $H_e$ ) gas.

**2.0 APPLICABLE DOCUMENTS**

The following documents, of the exact issue shown, form a part of this SOW to the extent specified herein. In the event of conflict between the documents referenced and the contents of this SOW, the SOW shall take precedence. Second tier and lower references, (i.e., those referenced in the primary references) shall be used for guidance only.

**2.1 Military Standards**

None.

**2.2 Military Specifications**

a) US Navy Dive Manual S8521-AG-PRO-010 Chapter 4 Section 4-3.3, Table 4-4, MIL-PRF-27407B, (Propellant Pressurizing Agent Helium, Type I Gaseous grade B, Respirable Helium) including Table 4-4, Enclosure 1.

b) US Navy Dive Manual S8521-AG-PRO-010 Chapter 4 Section 4-3.3 Table 4-3 (Type I, Gaseous), MIL-PRF-27210G, Oxygen, Aviators Breathing, Liquid and Gaseous, Enclosure 4.

c) US Navy Dive Manual S8521-AG-PRO-010 Chapter 4 Section 4-3.3, Table 4-5, Federal Specification A-A-59155, Nitrogen, High Purity, Special Purpose, Enclosure 5.

**2.3 Commercial Specifications**

None.

**3.0 REQUIREMENTS**

**3.1  $H_e$  Gas Requirements**

3.1.1 The Contractor shall deliver a pressurized vessel(s) of H<sub>e</sub> gas (bulk gas cylinders) that meets the requirements of SOW paragraph 2.2(a). Delivery is required within 20 calendar days or less after receipt of the order. Physical delivery of the H<sub>e</sub> gas will be to NEDU facilities located at the Naval Support Activity, Panama City, Florida. Prior to delivery and upon arrival at NEDU, the NEDU point of contact shall be contacted by the delivery personnel. The Government point of contact will be provided after contract award.

3.1.2 For the H<sub>e</sub> gas deliveries, the Contractor shall ensure the bulk gas cylinders meet appropriate over the road transportation standards. Cleanliness levels of bulk gas cylinders and assemblies must be maintained to meet gas purity standards of SOW paragraph 2.2a. The contractor shall ensure the bulk gas cylinder connection fitting is a Dash 12 male AN fitting, as the NEDU charging station has the Dash 12 female AN fitting (See Enclosure 2). As an alternative, the contractor may provide a Union Bushing part number GMF-3334 or GMF-3332 or equivalent (See Enclosure 3). NEDU will provide the male coupling nut. Bulk gas cylinders must be trailer mounted and stored within 50 feet of the NEDU Helium charging connection. The Contractor shall ensure that for each delivery the following factors are accounted for:

- a. Sufficient resources to meet the stated delivery date from the point of origin to ultimate destination
- b. Meet appropriate road transportation standards
- c. Personnel possesses credentials to enter the facility
- d. Conduct the delivery with safety at all times
- e. Inform NEDU personnel of any issues or concerns prior, during, or after delivery

3.1.3 NEDU personnel will notify the PCO of any issues or deficiencies. The PCO will seek a resolution with the Contractor in resolving any issues or deficiencies representing the alternative(s) most advantageous to the Government.

3.1.4 The H<sub>e</sub> requirement calls for a bulk gas delivery of one 45,000 standard cubic feet (SCF) bulk gas cylinders.

3.1.5 The truck shall be available onsite for five calendar days from delivery, with the daily rental fee ( 5 days) included in the total delivery price. The Contractor shall coordinate with NEDU personnel pick up of the unit on the fifth day, or when NEDU personnel informs the Contractor that the unit is available for pick up, whichever happens first. If NEDU needs the unit in excess of five calendar days, the Contractor shall provide invoice to the Government per days in excess. The same factors under paragraph 3.1.2 a through e shall apply for pickup of the unit, per proposed daily rate.

#### **4.0 GOVERNMENT FURNISHED PROPERTY**

None.

#### **5.0 DELIVERABLES**

The contractor shall provide a “Certificate of Conformance (COC)” with each truckload of gas. The COC will verify and guarantee that the bulk gas delivery and delivery equipment delivered conforms to the standards for that gas in accordance with SOW paragraphs 2.2. The COC shall be in contractor letter style format, signed by management, and delivered to NEDU point of contact at the time of gas delivery.

## **6.0 PERIOD OF PERFORMANCE**

The period of performance is from date of award until five (5) calendar days after delivery, or paragraph 3.1.5 if NEDU needs trailers pass five calendar days.

## **7.0 SECURITY**

This requirement is UNCLASSIFIED.

## **8.0 DISTRIBUTION LIMITATION STATEMENTS**

Not Applicable.

## **9.0 RELEASE OF INFORMATION**

Release of information shall be in accordance with Section I, DFARS Clause 252.204-7000, Disclosure of Information.