Statement Of Work (SOW) for Columbia Inconel and Monel Fastener IDIQ for the Naval Foundry and Propeller Center

1.0 INTRODUCTION

1.0.1 The Naval Surface Warfare Center Philadelphia Division (NSWCPD) is a Department of Defense entity responsible for research and development, test and evaluation, engineering and fleet support organization for the Navy's ships, submarines, military watercraft and unmanned vehicles. This requirement is for NSWCPD Code 1410.2, which is responsible for manufacture of naval propulsors and related components.
1.0.2 This contract is for non-personal services. It does not create employment rights with the U.S. Government whether actual, inherent, or implied.

1.0.3 Government/Contractor Relationship

1.0.3.1 The services to be delivered under this Contract are non-personal services and the parties recognize and agree that no employer-employee relationship exists or will exist under the Contract between the Government and the Contractor's personnel. Therefore, it is in the best interest of the Government to provide both parties a full understanding of their respective obligations.

1.0.3.2 The Contractor employees shall identify themselves as Contractor personnel by introducing themselves or being introduced as Contractor personnel and displaying distinguishable badges or other visible identification for meetings with Government personnel. In addition, Contractor personnel shall appropriately identify themselves as Contractor employees in telephone conversations and in formal and informal written correspondence.

1.0.3.3 Contractor personnel under this Contract shall not engage in any of the inherently Governmental functions listed at FAR Subpart 7.5 or DFARS Subpart 207.5.

1.0.4 Employee Relationship

1.0.4.1 The services to be performed under this Contract do not require the Contractor or its personnel to exercise personal judgment and discretion on behalf of the Government. Rather the Contractor's personnel will act and exercise personal judgment and discretion on behalf of the Contractor.

1.0.4.2 Rules, regulations, directives, and requirements that are issued by the U. S. Navy and NSWCPD under its responsibility for good order, administration, and security are applicable to all personnel who enter a Government installation or who travel on Government transportation. This is not to be construed or interpreted to establish any degree of Government control that is inconsistent with a non-personal services contract.

1.0.4.3 Inapplicability of Employee Benefits: This Contract does not create an employer-employee relationship. Accordingly, entitlements and benefits applicable to such relationships do not apply.

1.0.4.4 It is the Contractor's, as well as the Government's, responsibility to monitor Contract activities and notify the Contracting Officer if the Contractor believes that the intent of this Section has been or may be violated.

1.0.4.4.1 The Contractor shall notify the Contracting Officer in writing via letter or email within three (3) calendar days from the date of any incident that the Contractor considers to constitute a violation of this Section. The notice should include the date, nature, and circumstances of the conduct; the name, function, and activity of each Government employee or Contractor official or employee involved or knowledgeable about such conduct; identify any documents or substance of any oral communication involved in the conduct; and the Contractor's estimated date when, absent a response, cost, schedule or performance will be impacted.

1.0.4.4.2 The Contracting Officer will, within five (5) calendar days after receipt of notice, respond to the notice in writing. In responding, the Contracting Officer will either:
(i) Confirm the conduct is in violation and when necessary direct the mode of further performance,
(ii) Countermand any communication regarded as a violation,
(iii) Deny that the conduct constitutes a violation and when necessary direct the mode of further performance, or
(iv) In the event the notice is inadequate to make a decision, advise the Contractor what additional information is required, and establish the date by which it should be furnished by the Contractor.

1.1 BACKGROUND

The Naval Foundry and Propeller Center (NFPC) a detachment of the Norfolk Naval Shipyard, primary mission is responsible for the design, manufacture, and repair of Propulsors and related components for the US Navy. To support manufacturing operation at NFPC, the Government requires the manufacturing of various Inconel 718 (UNS N07718) and K-Monel (UNS N05500) Fasteners and Shear Pins.

1.2 SCOPE OF WORK

This scope of work will result in a single-award Indefinite Delivery/Indefinite Quantity (IDIQ) contract for the manufacture and testing of a variety of Inconel 718 and K-Monel fasteners and shear pins. The Government shall provide actual quantities of fasteners and shear pins to be provided at a Firm-Fixed-Price (FFP) utilizing Delivery Orders (DO). The ordering period for this contract is from Date of Award through five (5) years. The period of performance for this contract is from Date of Award through six (6) years. Please note the quantities below are maximum quantities over the five (5) year contract. Exact quantities and delivery schedules shall be established at the DO level.

2.0 APPLICABLE DOCUMENTS

2.1 API Standard 6ACRA – Age-hardened nickel-based Alloys for Oil and Gas Drilling and Production Equipment

2.2 ASTM E1417 – Standard Practice for Liquid Penetrant Testing

2.3 ASTM F606-16 – Standard Test Methods for Determining the Mechanical Properties of Externally and Internally Threaded Fasteners, Washers, Direct Tension Indicators, and Rivets

2.4 ISO 9001 – International Organization for Standardization Quality Management Systems

2.5 ISO 17025 – Testing and Calibration Laboratories

2.6 QQ-N-286G – Nickel-Copper-Aluminum Alloy, Wrought (UNS N05500)

2.7 SAE AS1177 – Nondestructive Inspection Standards for Bolts and Screws

2.8 NFPC Drawing No. 0356 - Locking Pellet Installation and Torque Testing Procedure for Non-DoD Entities

2.9 DWG 324531103 – CLB Class Fastener, Tip Attachment - redlined

2.9.1 PER 166 – Tip Fastener Updates

2.9.2 PER 244 – Fastener, Tip Attachment Clarification of Thread Inspection Requirements

2.9.3 PER 809 - Heat/Lot Acceptance Testing Verbiage and General Note Revision

2.9.4 PER 1150 - Fastener, Tip Attachment - Material Certification and Hardness Testing Note Updates

2.10 DWG C24531113 – CLB Class Fastener, FWD Alignment Ring - redlined

2.10.1 PER 143 – FWD Alignment Ring Fastener Updates

2.10.2 PER 245 - Fastener, FWD Alignment Ring Clarification of Thread Inspection Requirements

2.10.3 PER 810 - Heat/Lot Acceptance Testing Verbiage and General Note Revision

2.10.4 PER 1171 - Fastener, FWD Alignment Ring - Material Certification and Hardness Testing Note Updates

2.11 DWG C24531116 – CLB Class Fastener, AFT Alignment Ring - redlined

2.11.1 PER 144 - AFT Alignment Ring Fastener Updates

2.11.2 PER 246 - Fastener, AFT Alignment Ring Clarification to Thread Inspection Requirements

2.11.3 PER 749 – AFT Alignment Ring Fastener Paint Requirements

2.11.4 PER 811 - Heat/Lot Acceptance Testing Verbiage and General Note Revision

2.11.5 PER 1172 - Fastener, AFT Alignment Ring - Material Certification and Hardness Testing Note Updates

2.12 DWG C24523001 – Fastener, BSS to APB Vertical Attachment - redlined

2.12.1 PER 141 – BSS to APB Vertical Attachment Fastener Updates

2.12.2 PER 243 – BSS to APB Vertical Attachment Fastener Clarification of Thread Inspection Requirements

2.12.3 PER 808 - Heat/Lot Acceptance Testing Verbiage and General Note Revision

2.12.4 PER 1170 - Fastener, BSS to APB Vertical Attachment - Material Certification and Hardness Testing Note Updates

2.13 DWG 324532030 – Fastener, EU-2 and APB Hanger Attachment - redlined

2.13.1 PER 254 – EU-2 and APB Hanger Attachment Fastener Clarification of Thread Inspection Requirements

2.13.2 PER 812 - Heat/Lot Acceptance Testing Verbiage and General Note Revision

2.13.3 PER 1165 - Fastener, EU-2 And APB Hanger Attachment - Material Certification and Hardness Testing Note Updates

2.14 DWG C24551120 – CLB Class Shear Pin, AOS Rigging Trunnion Attachment - redlined

2.14.1 PER 170 – Trunnion Block Shear Pin Updates

2.14.2 PER 248 – AOS Rigging Trunnion Block Shear Pin Clarification of Thread Inspection

2.14.3 PER 1175 - Shear Pin, AOS Rigging Trunnion Block - Material Certification Update and Updated Model Reflecting PER 0170 Changes

2.15 DWG 324531104 - Shear Pin, Tip Attachment – redlined

2.15.1 PER 1104 - FWD Assembly Tip Connection Shear Pin Vent Flat Depth Increase

2.15.2 PER 1121 - Shear Pin, Tip Attachment - Note Modernization and Model Files

2.16 DWG C24553001 - Fastener, AOS/FWD Assy. Attachment - redlined

2.16.1 PER 148 – AOS/FWD Attachment Fastener Updates

2.16.2 PER 256 - AOS/FWD Attachment Fastener Clarification of Thread Inspection

2.16.3 PER 622 - AOS/FWD Attachment Fastener QQ-N-286G Slow Strain Test Requirement

2.16.4 PER 1176 - Fastener, AOS/FWD Assembly Attachment - Hardness Testing Note Update

2.17 DWG C24533001 – Fastener, BSS/FWD Assembly Attachment - redlined

2.17.1 PER 146 – BSS/FWD Attachment Fastener Update

2.17.2 PER 201 – BSS/FWD Assembly Attachment Fastener (TWH, Thread Inspection, Breakaway and Prevailing Torque Value Changes)

2.17.3 PER 629 – BSS/FWD Assembly Attachment Fastener QQ-N-286G Slow Strain Rate Test Requirement and Notes Change

2.17.4 PER 1173 - Fastener, BSS/FWD Assembly Attachment - Hardness Testing Note Update

2.18 DWG C24543003 – Fastener, Nut Cap Attachment - redlined

2.18.1 PER 0084 – Delete Color Specification from Locking Element

2.19 DWG C24541102 – Fastener, Hub Flange Attachment

2.20 AS9100 - Aerospace Management Certification

References 2.8 – 2.19 above will be provided by the Government.

The Contractor shall reference and utilize the latest version available when performing tasks within this SOW.

3.0. REQUIREMENTS

3.1 The contractor shall provide the following fasteners and shear pins in accordance with the noted description and specifications in Section 3 and respective CLIN Structure. All quantities and delivery schedules will be established at the DO level. The minimum quantity per DO shall be one (1) Lot. All drawing dimensions and notes are required, Electrical Discharge Machining (EDM) may be required to properly manufacture the hex heads.

3.2 Inconel 718 and K-Monel bar stock, also referred to as Government Furnished Property (GFP), will be provided for production of the fasteners and shear pins. Material shall be provided within 30 business days of receipt of Delivery Order. Material will be provided in the forms and amounts listed in Section 8.9 of this SOW. Any excess GFP shall be marked, stored, and secured for the duration of the contract. After contract completion, excess GFP shall be returned to the Government at the address given in Section 6.1 of the SOW.

3.2.1 It is the responsibility of the contractor to rough cut bar stock to lengths suitable for machining the items.

3.2.2 All items require material heat traceability. It is the contractor's responsibility to associate the finished item lot number to the material heat it was manufactured from. The finished items will not be accepted if the material heat is unknown. It is the Contractor's responsibility to properly tag and store the material heats and maintain traceability once the material has arrived at the Contractor location.

3.3 All other material required to manufacture the fasteners and shear pins (that is not listed in Section 8.9 of this SOW) shall be supplied by the contractor. This includes pellet material as specified on supplied drawings.

3.3.1 Pellet Material installed in each fastener shall be traceable by heat/batch.

3.3.2 The Material certifications and the applicable heat/batch number that was used to manufacture corresponding fasteners shall be included in the Certificate of Conformance Packets (CDRL A001).

3.4 All notes and references on the provided drawings and Propulsor Engineering Requests (PERs) apply. This includes fastener proof load testing and fastener fluorescent penetrant inspection. See provided drawings and PERs for specific details and requirements fastener and pin. The government shall not provide any fixtures or tooling required for testing.

3.5 All notes and references on the provided drawings and PERs apply except as follows:

3.5.1 Bar Stock Acceptance Testing shall be conducted by the government.

3.5.2 The fasteners and shear pins shall be provided to the government un-painted and without blasting.

3.5.3 Actual results of the Thread Inspection (per System 21 or 22, as stated on the drawing), shall be provided as part of the Certificate of Conformance Packet.

3.5.4 In addition to the inspection requirements of reference (2.14), all rigging trunnion block shear pins shall undergo visual inspection in their final condition. Evaluation shall be in accordance with SAE AS1177. Nicks, Gouges, dents, and scrapes are permitted provided that the functionality of the fastener is not impaired.

3.5.5 In lieu of installation of locking pellets per the applicable drawing, the locking pellets shall be installed in accordance with reference 2.8. A Government representative must be present to oversee pellet installation. The Government shall be notified at least fifteen (15) days before the installation is to take place. (CDRL A001)

3.6 A manufacturing lot consists of pieces manufactured from a single heat number under the same conditions and at the same time. For example, one (1) manufacturing lot of fasteners would include the same type of fastener made from the same bar stock heat and same pellet material batch, and all the fasteners in the lot would have been manufactured under the same conditions without significant breaks.

3.7 Once all manufacturing, inspection and packaging operations are complete for a given set of fasteners, the Government shall perform a source inspection of the units at the manufacturer's site. The Government shall be notified at least fifteen (15) days before the inspection is to take place. At the source inspection, the Government will inspect the parts, review the certification package, and inspect the packaging for conformance to the applicable drawing. Any discrepancies found during source inspection shall be corrected by the contractor before delivery to the Government, at no additional cost to the Government. Final acceptance of the units will be at

destination. The Contractor shall not ship out the finished items without written approval from the government. (CDRL A001)

3.8 Items shall be packaged in accordance with the notes in the applicable drawing. Unless otherwise specified on the drawing, all items shall be packaged so that they will not come in contact during shipment and all threads shall be protected with sleeves.

3.9 The contractor shall provide a Certificate of Conformance Package for each lot of fasteners and shear pins in accordance with the Inspection, Tolerance, and Test Notes in the applicable drawing (CDRL A001). The official certification package shall not be submitted to the Government until after source inspection is complete (see section 3.7 of the SOW). A copy of the certification package shall also be included in the shipping box (sealed in waterproof plastic).

3.10 Within 30 days of contract award, the contractor shall host a kick-off meeting at the primary manufacturing site to review the contract requirements and schedule. (CDRL A003)

The contractor shall submit monthly contract status reports (CDRL A003) and GFP reports (CDRL A002). The status report shall address topics such as schedule progress, identification of needs for additional Government input, and action tracking. The contractor shall hold monthly status meetings with Government representatives. (CDRL A003)

As a part of the Government's Quality Assurance Program, the Government shall reserve the option to witness any of the manufacturing, testing, machining, or inspection operations conducted by the contractor or the contractor's subcontractor. The contractor shall be notified at least thirty (30) days before the inspection is to take place. (CDRL A004)

Table 1: CLIN Structure

CLIN	Fastener Name	Drawing & PERs	Qty per Lot	CLIN Maximum
Year 1				
Inconel 718 Hardware Items				
1001	Fastener, Tip Attachment	324531103	76	228
1002	Fastener, FWD Alignment Ring (FAR)	C24531113	38	114
1003	Fastener, AFT Alignment Ring (AAR)	C24531116	57	171
1004	Fastener, BSS to APB Vertical Attachment	C24523001	22	66
1005	Fastener, EU-2 and APB Hanger Attachment	324532030	28	84
1006	Shear Pin, AOS Rigging Trunnion Block	C24551120	4	12

1007	Shear Pin, Tip Attachment size A (See Section 3.2.12)	324531104	38	114
1008	Shear Pin, Tip Attachment size B (See Section 3.2.12)	324531104	5	15
1009	Shear Pin, Tip Attachment size C (See Section 3.2.12)	324531104	5	15
1010	Shear Pin, Tip Attachment size D (See Section 3.2.12)	324531104	5	15
1011	Shear Pin, Tip Attachment size E (See Section 3.2.12)	324531104	5	15
K-Monel (UNS N05500) Hardware Items				
1012	Fastener, AOS/FWD Assy. Attachment	C24553001	42	126
1013	Fastener, BSS/FWD Assembly	C24533001	42	126
1014	Fastener, Nut Cap Attachment	C24543003	18	54
1015	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	12	36
Scaled CLINS				
1016	Fastener, Tip Attachment	324531103	5	15
1017	Fastener, FWD Alignment Ring (FAR)	C24531113	5	15
1018	Fastener, AFT Alignment Ring (AAR)	C24531116	5	15
1019	Fastener, BSS to APB Vertical Attachment	C24523001	5	15
1020	Fastener, EU-2 and APB Hanger Attachment	324532030	5	15
1021	Shear Pin, Tip Attachment size A (See Section 3.2.12)	324531104	5	15
1022	Fastener, AOS/FWD Assy. Attachment	C24553001	5	15
1023	Fastener, BSS/FWD Assembly	C24533001	5	15
1024	Fastener, Nut Cap Attachment	C24543003	5	15
1025	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	5	15
CLIN	**Fastener Name**	**Drawing & PERs**	**Qty per Lot**	**CLIN Maximum**
Year 2				
Inconel 718 Hardware Items				
2001	Fastener, Tip Attachment	324531103	76	228

2002	Fastener, FWD Alignment Ring (FAR)	C24531113	38	114
2003	Fastener, AFT Alignment Ring (AAR)	C24531116	57	171
2004	Fastener, BSS to APB Vertical Attachment	C24523001	22	66
2005	Fastener, EU-2 and APB Hanger Attachment	324532030	28	84
2006	Shear Pin, AOS Rigging Trunnion Block	C24551120	4	12
2007	Shear Pin, Tip Attachment size A (See Section 3.2.12)	324531104	38	114
2008	Shear Pin, Tip Attachment size B (See Section 3.2.12)	324531104	5	15
2009	Shear Pin, Tip Attachment size C (See Section 3.2.12)	324531104	5	15
2010	Shear Pin, Tip Attachment size D (See Section 3.2.12)	324531104	5	15
2011	Shear Pin, Tip Attachment size E (See Section 3.2.12)	324531104	5	15
K-Monel (UNS N05500) Hardware Items				
2012	Fastener, AOS/FWD Assy. Attachment	C24553001	42	126
2013	Fastener, BSS/FWD Assembly	C24533001	42	126
2014	Fastener, Nut Cap Attachment	C24543003	18	54
2015	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	12	36
Scaled CLINS				
2016	Fastener, Tip Attachment	324531103	5	15
2017	Fastener, FWD Alignment Ring (FAR)	C24531113	5	15
2018	Fastener, AFT Alignment Ring (AAR)	C24531116	5	15
2019	Fastener, BSS to APB Vertical Attachment	C24523001	5	15
2020	Fastener, EU-2 and APB Hanger Attachment	324532030	5	15
2021	Shear Pin, Tip Attachment size A (See Section 3.2.12)	324531104	5	15
2022	Fastener, AOS/FWD Assy. Attachment	C24553001	5	15

2023	Fastener, BSS/FWD Assembly	C24533001	5	15
2024	Fastener, Nut Cap Attachment	C24543003	5	15
2025	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	5	15
CLIN	**Fastener Name**	**Drawing & PERs**	**Qty per Lot**	**CLIN Maximum**
Year 3				
Inconel 718 Hardware Items				
3001	Fastener, Tip Attachment	324531103	76	228
3002	Fastener, FWD Alignment Ring (FAR)	C24531113	38	114
3003	Fastener, AFT Alignment Ring (AAR)	C24531116	57	171
3004	Fastener, BSS to APB Vertical Attachment	C24523001	22	66
3005	Fastener, EU-2 and APB Hanger Attachment	324532030	28	84
3006	Shear Pin, AOS Rigging Trunnion Block	C24551120	4	12
3007	Shear Pin, Tip Attachment size A (See Section 3.2.12)	324531104	38	114
3008	Shear Pin, Tip Attachment size B (See Section 3.2.12)	324531104	5	15
3009	Shear Pin, Tip Attachment size C (See Section 3.2.12)	324531104	5	15
3010	Shear Pin, Tip Attachment size D (See Section 3.2.12)	324531104	5	15
3011	Shear Pin, Tip Attachment size E (See Section 3.2.12)	324531104	5	15
K-Monel (UNS N05500) Hardware Items				
3012	Fastener, AOS/FWD Assy. Attachment	C24553001	42	126
3013	Fastener, BSS/FWD Assembly	C24533001	42	126
3014	Fastener, Nut Cap Attachment	C24543003	18	54
3015	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	12	36
Scaled CLINS				
3016	Fastener, Tip Attachment	324531103	5	15
3017	Fastener, FWD Alignment Ring (FAR)	C24531113	5	15

3018	Fastener, AFT Alignment Ring (AAR)	C24531116	5	15
3019	Fastener, BSS to APB Vertical Attachment	C24523001	5	15
3020	Fastener, EU-2 and APB Hanger Attachment	324532030	5	15
3021	Shear Pin, Tip Attachment size A (See Section 3.2.12)	324531104	5	15
3022	Fastener, AOS/FWD Assy. Attachment	C24553001	5	15
3023	Fastener, BSS/FWD Assembly	C24533001	5	15
3024	Fastener, Nut Cap Attachment	C24543003	5	15
3025	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	5	15
CLIN	**Fastener Name**	**Drawing & PERs**	**Qty per Lot**	**CLIN Maximum**
Year 4				
Inconel 718 Hardware Items				
4001	Fastener, Tip Attachment	324531103	76	228
4002	Fastener, FWD Alignment Ring (FAR)	C24531113	38	114
4003	Fastener, AFT Alignment Ring (AAR)	C24531116	57	171
4004	Fastener, BSS to APB Vertical Attachment	C24523001	22	66
4005	Fastener, EU-2 and APB Hanger Attachment	324532030	28	84
4006	Shear Pin, AOS Rigging Trunnion Block	C24551120	4	12
4007	Shear Pin, Tip Attachment size A (See Section 3.2.12)	324531104	38	114
4008	Shear Pin, Tip Attachment size B (See Section 3.2.12)	324531104	5	15
4009	Shear Pin, Tip Attachment size C (See Section 3.2.12)	324531104	5	15
4010	Shear Pin, Tip Attachment size D (See Section 3.2.12)	324531104	5	15
4011	Shear Pin, Tip Attachment size E (See Section 3.2.12)	324531104	5	15
K-Monel (UNS N05500) Hardware Items				

4012	Fastener, AOS/FWD Assy. Attachment	C24553001	42	126
4013	Fastener, BSS/FWD Assembly	C24533001	42	126
4014	Fastener, Nut Cap Attachment	C24543003	18	54
4015	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	12	36
Scaled CLINS				
4016	Fastener, Tip Attachment	324531103	5	15
4017	Fastener, FWD Alignment Ring (FAR)	C24531113	5	15
4018	Fastener, AFT Alignment Ring (AAR)	C24531116	5	15
4019	Fastener, BSS to APB Vertical Attachment	C24523001	5	15
4020	Fastener, EU-2 and APB Hanger Attachment	324532030	5	15
4021	Shear Pin, Tip Attachment size A (See Section 3.2.12)	324531104	5	15
4022	Fastener, AOS/FWD Assy. Attachment	C24553001	5	15
4023	Fastener, BSS/FWD Assembly	C24533001	5	15
4024	Fastener, Nut Cap Attachment	C24543003	5	15
4025	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	5	15
CLIN	**Fastener Name**	**Drawing & PERs**	**Qty per Lot**	**CLIN Maximum**
Year 5				
Inconel 718 Hardware Items				
5001	Fastener, Tip Attachment	324531103	76	228
5002	Fastener, FWD Alignment Ring (FAR)	C24531113	38	114
5003	Fastener, AFT Alignment Ring (AAR)	C24531116	57	171
5004	Fastener, BSS to APB Vertical Attachment	C24523001	22	66
5005	Fastener, EU-2 and APB Hanger Attachment	324532030	28	84
5006	Shear Pin, AOS Rigging Trunnion Block	C24551120	4	12
5007	Shear Pin, Tip Attachment size A (See Section 3.2.12)	324531104	38	114

5008	Shear Pin, Tip Attachment size B (See Section 3.2.12)	324531104	5	15
5009	Shear Pin, Tip Attachment size C (See Section 3.2.12)	324531104	5	15
5010	Shear Pin, Tip Attachment size D (See Section 3.2.12)	324531104	5	15
5011	Shear Pin, Tip Attachment size E (See Section 3.2.12)	324531104	5	15
K-Monel (UNS N05500) Hardware Items				
5012	Fastener, AOS/FWD Assy. Attachment	C24553001	42	126
5013	Fastener, BSS/FWD Assembly	C24533001	42	126
5014	Fastener, Nut Cap Attachment	C24543003	18	54
5015	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	12	36
Scaled CLINS				
5016	Fastener, Tip Attachment	324531103	5	15
5017	Fastener, FWD Alignment Ring (FAR)	C24531113	5	15
5018	Fastener, AFT Alignment Ring (AAR)	C24531116	5	15
5019	Fastener, BSS to APB Vertical Attachment	C24523001	5	15
5020	Fastener, EU-2 and APB Hanger Attachment	324532030	5	15
5021	Shear Pin, Tip Attachment size A (See Section 3.2.12)	324531104	5	15
5022	Fastener, AOS/FWD Assy. Attachment	C24553001	5	15
5023	Fastener, BSS/FWD Assembly	C24533001	5	15
5024	Fastener, Nut Cap Attachment	C24543003	5	15
5025	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	5	15

Tip Attachment Shear Pins (CLIN *007 -*011 and *021) shall be requested at the respective Nominal Diameters listed in Table 2.

Table 2: CLIN *007 - *011 and 021, Tip Attachment Shear Pin Size Designations

Pin Size Designation	Nominal Diameter	Nominal Diameter Tolerance

A (CLINs -007 & -021)	1.3705	+/-0.0001
B (CLINs -008)	1.3715	+/-0.0001
C (CLINs -009)	1.3750	+/-0.0001
D (CLINs -010)	1.3800	+/-0.0001
E (CLINs -011)	1.3830	+/-0.0001

3.11 All equipment and materials required to perform the requirements listed on the drawing are supplied by the contractor except for the GFP listed in Section 8.9. Test fixtures required to perform proof load testing are expected to be supplied by the contractor.

3.12 On return shipment if not already specified on the applicable drawing, finished items shall have their entire length protected by means of a polyethylene elastic mesh sleeve, and finished items shall be packaged such that they do not come in contact during shipment. The contractor is to supply the necessary materials for return shipping.

3.13 The contractor shall provide the fasteners and shear pins within the lead times outlined in Section 6.2 of this Scope of Work. The lead times are from the arrival of Government Furnished Property at the contractor's location to the arrival of the finished items to the Government.

4.0 DATA REQUIREMENTS

4.1 Test / Inspection Report (CDRL A001)

The contractor shall provide a Certificate of Conformance Packet (CRDL A001) following the requirements of the applicable drawing and PERs and this contract.

4.2.2 All pages must include the material heat number and manufacturing lot number of the items and be on company letterhead.

4.2.3 The contractor shall submit CRDL A001 electronically to the DO requester and any other specified recipients on the DO after the source inspection.

4.2.4 A hardcopy of the CRDL A001 shall be provided with the finished CLINs.

4.2.5 One (1) Certificate of Conformance Packet shall be provided per lot.

4.2 Government Furnished Property Inventory Report (CDRL A002)

4.2.1 The contractor shall inspect the GFP upon arrival at the contractor's site and provide updates on the quantity of GFP monthly with the Contract Status Report.

4.3 Contract Status Report (CDRL A003)

4.3.1 To be submitted at the end of each month throughout the Period of Performance of the contract.

4.4 Contract Inspection Report (CRDL 004)

4.4.1 The government shall submit a request at least thirty days for on – site inspection.

5.0 SECURITY REQUIREMENTS

5.1 SECURITY TRAINING. The Contractor is responsible for completing all required Government mandated training to maintain security and network access to government sites and IT systems to include but not limited to: Antiterrorism Level 1 Awareness; Records Management in the DON: Everyone's Responsibility; Training and Readiness: The Active Shooter; NAVSEA Introduction to Controlled Unclassified Information; Operations Security (OPSEC); NAVSEA Counterintelligence Training; Privacy and Personally Identifiable Information (PII) Awareness Training; NAVSEA Physical Security training and Cybersecurity 101 Training. Certificates of successful completion shall be sent to the COR and as otherwise specified in the contract.

5.1.1 In accordance with the National Industrial Security Program Operating Manual (NISPOM) (37 CFR Part 117), Contractor personnel that require access to Department of Navy (DON) information systems and/or work on-site require an open investigation or favorable adjudicated Tier 3 by the Vetting Risk Operations Center (VROC). An interim clearance is granted by VROC and recorded in the Defense Information System for Security (DISS). An open or closed investigation with a favorable adjudication is required prior to issuance of a badge providing access to NSWCPD buildings. Furthermore, if the Navy Central Adjudication Facility, have made an unfavorable determination access will be denied. For Common Access Card (CAC) you must have an open investigation and/or a favorably adjudicated investigation. Interim security clearance are acceptable for a CAC. Access will be denied for anyone that has eligibility pending in DISS. Vetting through the National Crime Information Center, Sex Offender Registry, and the Terrorist screening database shall be process for a contractor that does not have a favorable adjudicated investigation.

5.1.2 Within 30 days after contract award, the contractor shall submit a list of all contractor personnel, including subcontractor employees, who will have access to DON information systems and/or work on-site at one of the NSWCPD sites to the appointed Contracting Officer Representative (COR) via email. The contractor shall provide each employee's first name, last name, contract number, the NSWCPD technical code, work location, whether or not the employee has a CAC and or Standard Access Control Badge (SACB), the systems the employee can access (i.e., NMCI, RDT&E), and the name of the Contractor's local point of contact, phone number and email address. Throughout the period of performance of the contract, the Contractor shall immediately provide any updated information to the COR when any Contractor personnel changes occur including substitutions or departures.

5.2 ON SITE WORK

5.2.1 The contractor shall be escorted onto the site, observed while they perform the work, and escorted off the site.

5.2.3 Escorted visit. Escorted visits are required for any person who is not assigned to NNSY/NFPC and/or does not have a valid security clearance. Visitors will be escorted at all times by an NFPC employee and no exposure to any classified open storage areas or material. Requests for escorted access must be submitted 5 working days prior to arrival. If it is service or maintenance that needs to be done or an emergency the request needs to be submitted immediately in order to allow for ample time for proper vetting of individual/individuals requesting access.

The requesting NFPC code/shop will coordinate the visit and security code 1123 will verify two forms of Government issued identification. The responsible code shall provide escort during the contractor's visit.

Acceptable documents include:

- US Birth Certificate (original)
- US Voters registration
- US Passport
- (Homeland security), Transportation Workers Identification Credential (TWIC)
- Naturalization paperwork
- Driver's License
- Social Security Card

Installation Access for Visitors/Contractors

All visitors/contractors having a valid purpose for access shall submit a completed and signed Form 5512/1 to their identified Government sponsor 14 working days prior to the date of their required visit.

The entire document shall be completed and form dated/signed by the visitor/contractor. Visitor/Contractor shall retain a copy of the form 5512/1 to present on the first day at the installation.

The visitor/contractor shall communicate all on-site day to day schedules and schedule changes to the NFPC base sponsor to be submitted to code 1123 in a detailed security plan.

Note: It is critical that start/end dates/work hours are identified, accurate, and short-term visitors/contractors are not granted extended or after-hours access if not required Reporting to PNY-A for the first time.

Visitor/Contractor Responsibility

Visitor/Contractor shall report to the location designated by their sponsor (Security Office or other designated location, Pass and ID office) or if operating a Commercial Vehicle requiring inspection, to the Vehicle Inspection Station.

Visitor/Contractor shall present their completed and signed 5512/1.

The Sentry or Security Assistant shall verify vetting is cleared and issue the appropriate passes. If visitor/contractor has not completed the 5512/1 their access will be delayed until they correct the form.

Code 1123 will review request and when acceptable notify requesting NFPC code/shop to arrange visit.

5.2.4 Contractor Vehicle Parking: (OPNAV 5530.14E) All contractor commercial vehicles must be visually inspected at Lot 753 prior to entry into any NFPC buildings and are subject to random inspections anywhere on the compound. Vehicles must clearly display an authorized company sign or logo including a company phone number. Vehicles must only be allowed in the compound for transportation of contractors' tools, parts, and materials to and from the work site with the exception of MILCON scope projects. Vehicles must be registered to the company and not to an individual. Parking of POV's is available at Lot 753, which is approximately one mile from the work site. Contractor shall ensure that their vehicles, including delivery trucks, have valid and current vehicle registration and insurance upon arrival to NFPC. Non-valid and outdated or missing vehicle registration and insurance shall result in denied facility access requiring the Contractor to reschedule delivery immediately at the contractor’s expense. Delivery drivers must present two forms of Government issued identification.

5.2.5 PEDs (Portable Electronic Devices) are not allowed in areas where work is being performed.

Should the Contractor require a laptop, tablet or other similar device on-site to fulfill the Scope of Work, the Contractor must complete an asset authorization form for each device and submit the devices to code 109 for inspection and approval prior to site access. The laptops cannot have camera capabilities. Procedures regarding laptop access are subject to change.

PEDs (Portable Electronic Devices) are PROHIBITED:
In Restricted Areas (Open Storage Confidential Areas, Secure Rooms, Vaults, etc.) and any location (office, trailer, shop, work area, etc.) where NAVSEA business is conducted.

PEDs are permitted in Personally Owned Vehicles parked outside of the Controlled Access Area. (General parking lots across the street.)

Cell Phones/Smart Watches/Fitness Bands/ Wireless Headsets and Speakers are permitted in outside areas of the CAA and where Naval Sea Systems Command (NAVSEA) business of a sensitive nature is NOT conducted. Cell Phones, Smart Watches, Fitness Bands or Wireless Headsets and Speakers are prohibited in the OSC Areas.

PEDs are PROHIBITED in Secure Rooms (regardless of where any of these areas are located), and in any meeting, discussion or forum where NAVSEA business of a sensitive nature is carried on.

Cellphone lockers/boxes will be placed at the entrance to facilities, or as close to the entrance as possible in order to facilitate this policy.

********CAA-Controlled Access Area is anywhere within the fence line********

5.2.6 The contractor shall adhere to the facility/base access guidance per the following website:

https://www.cnic.navy.mil/regions/cnrma/om/contractor_verification_system/faqs.html

5.2.7 The contractor shall ensure that only contractor employees who meet the security requirements stated below perform under this contract at the Government site (e.g. delivery drivers and passengers, etc.). The contractor shall propose and maintain a list of employees who meet these requirements and be willing to submit this list to the Government, along with the necessary documentation to prove they meet them (e.g. the results of a contractor conducted background check, etc.), for the Government's security vetting, to include any Government background check, and approval. Once vetted and approved, a list of approved contractor employees must be maintained for the entire period of performance of the contract (i.e. propose new employees, replace existing employees or provide updates to existing employees' records, as necessary). A minimum of two employees, primary and backup, should be cleared by the Government to perform the necessary functions under this contract (e.g. proposed drivers of a delivery vehicle) throughout the entire period of performance of the contract. Contractors must have the ability to be granted access by ensuring current documentation is available at the submission of their proposal to allow background checks for any proposed driver and passenger under the following criteria:

- Felony conviction of any type within 10 years, or felony arrest that has not been adjudicated yet (includes "deferred findings").
- Misdemeanor conviction or on-base arrest within 5 years, for any of the following types of crimes (includes "deferred findings"): Crimes of violence, sexual assault, larceny, drugs, or a habitual offender.
- On the Sex Offender Registry.
- Is barred from any Navy installation.

If a contractor's employee is denied entry at delivery due to inaccurate or outdated personal and/or vehicle documentation, the Government is absolved of any costs accrued as a result of the denial and the contractor is still pledged to fulfill the contract requirements. Failure to fulfill the contract requirement may result in a termination for default pursuant to FAR 49.4.

5.3 OPERATIONS SECURITY (OPSEC)

5.3.1 The Contractor shall protect critical information associated with this contract to prevent unauthorized disclosure. NFPC's Critical Information List (CIL)/ CIIL (Critical Indicators and information list) will be provided on site, if warranted. Performance under this contract requires the contractor to adhere to OPSEC requirements, which may include NFPC Contractor OPSEC Plan. When NFPC Contractor OPSEC Plan is required, the contractor shall return acknowledgment of the plan within 15 days of receipt. During the period of this contract, the Contractor may be exposed to, use, or produce, NFPC Critical Information (CI) and/or observables and indicators which may lead to discovery of CI. NFPC's CI will not be distributed to unauthorized third parties, including foreign governments, or companies under Foreign Ownership, Control, or Influence (FOCI) unless such FOCI has been appropriately mitigated through measures approved by the Defense Counterintelligence and Security Agency. Questions concerning these requirements shall be directed to the PCO.

5.3.2 CUI correspondence transmitted internally on the contractor's unclassified networks or information systems, and externally, shall be protected per NIST SP-800-171, Protecting Controlled Unclassified Information (CUI) in Non-federal Systems and Organizations. Assembled large components/systems being transported to and from testing areas, other production or government facilities (whether or not on public roadways) shall be in an enclosed van trailer or covered flatbed trailer. Component/System outside storage, staging, and test areas shall be shielded/obscured from public view wherever physically possible.

5.3.3 NFPC's CI shall not be publicized in corporate wide newsletters, trade magazines, displays, intranet pages or public facing websites. Media requests related to this project shall be directed to the PCO, and the COR who will forward the required to the NFPC Public Release Authority for review.

5.3.4 Any attempt by unauthorized third parties to solicit, obtain, photograph, or record, or; incidents of loss/compromise of government Classified or CI, Business Sensitive, Company Proprietary information related to this or other program must be immediately reported to the contractor's Facility Security Officer and Cognizant Security Office and/or the Naval Criminal Investigative Service, and the NFPC Security Division (Code 1123). Questions concerning these requirements shall be directed to the PCO, and the COR who will forward the request to the NFPC Security Division (Code 1123).

5.3.5 This SOW has been reviewed against the requirements of SECNAVINST 4200.35. SAIRC controls are not required

5.4 RECEIPT, STORAGE, AND GENERATION OF CONTROLLED UNCLASSIFIED INFORMATION (CUI) All Controlled Unclassified Information (CUI) associated with this contract must follow the minimum marking requirements of DoDI 5200.48, Section 3, paragraph 3.4.a, and include the acronym "CUI" in the banner and footer of the document. In accordance with DoDI 5200.48, CUI must be safeguarded to prevent Unauthorized Disclosure (UD). CUI export controlled technical information or other scientific, technical, and engineering information must be marked with an export control warning as directed in DoDI 5230.24, DoDD 5230.25, and Part 250 of Title 32, CFR. Nonfederal information systems storing and processing CUI shall be protected per NIST SP-800-171, or subsequent revisions. All transmissions to personal email

accounts (AOL, Yahoo, Hotmail, Comcast, etc.) and posting on social media websites (Facebook, Instagram, Twitter, LinkedIn, etc.) are prohibited. Destroy CUI associated with this contract by any of the following approved methods: A cross-cut shredder; a certified commercial destruction vendor; a central destruction facility; incineration; chemical decomposition; pulverizing, disintegration; or methods approved for classified destruction.

5.5 PLANNING, PROGRAMMING, BUDGETING AND EXECUTION (PPBE) DATA. When contractor employees, in the performance of their duties, are exposed to Planning, Programming, Budgeting and Execution (PPBE) data, a Non-Disclosure Agreement (NDA) with all affected contactor personnel must be executed in coordination with the COR and PCO to ensure safeguarding disclosure of this data.

5.6 U-NNPI SECURITY REQUIREMENTS

5.6.1 Security Classification Guidance is as follows of portions of the tasking on this contract when invoked in the statement of work.

5.6.1.1 Contractor requires access to information and equipment classified at the Confidential National Security Information (NSI) level in order to provide industrial support services within facilities that actively supports the Navy Nuclear Propulsion Program (NNPP).

5.6.1.2 All contractor personnel accessing classified information or classified material associated with the performance of work related to the resultant contract must be United States citizens and shall have and maintain at a minimum Confidential security clearance.

5.6.1.3 The Contractor is responsible for completing all required government mandated training to maintain security and network access to government sites and IT systems, as necessary to support.

5.7 U-NNPI

5.7.1 Purpose The Contractor hereby agrees that when provided documents (specifications, drawings, etc.) that are marked as containing NOFORN sensitive information that must be controlled pursuant to Federal law, the information contained therein and generated as part of the inquiry shall be used only for the purpose stated in the contract and shall in no case be transmitted outside the company (unless such transmittals comply with the detailed guidance of the contract) or to any foreign national within the company. While in use, the documents shall be protected from unauthorized observation and shall be kept secure so as to preclude access by anyone not having a legitimate need to view them. The documents shall not be copied unless done in conformance with the detailed guidance of the contract. All the documents shall be promptly returned in their entirety, unless authorized for proper disposal or retention, following completion of the contract.

5.7.2 Specific Requirements for Protecting U-NNPI

a) Only U.S. citizens who have a need to know required to execute the contract shall be allowed access to U-NNPI.
b) When not in direct control of an authorized individual, U-NNPI must be secured in a locked container (e.g., file cabinet, desk, safe). Access to the container must be such that only authorized persons can access it, and compromise of the container would be obvious at sight. Containers should have no labels that indicate the contents. If removed from the site, U-NNPI must remain in the personal possession of the individual. At no time should U-NNPI be left unsecured (e.g., in a home or automobile, or unattended in a motel room or sent with baggage).
c) U-NNPI documents will have the word NOFORN at the top and bottom of each page. The cover sheet will have the warning statement shown below. Documents originated in the course of work that reproduce, expand or modify marked information shall be marked and controlled in the same way as the original. Media such as video tapes, disks, etc., must be marked and controlled similar to the markings on the original information.
d) U-NNPI may not be processed on networked computers with outside access unless approved by CNO (N00N). If desired, the company may submit a proposal for processing NNPI on company computer systems. Personally owned computing systems, such as personal computers, laptops, personal digital assistants, and other portable electronic devices are not authorized for processing NNPI. Exceptions require the specific approval of the cognizant DAA and CNO (N00N).
e) U-NNPI may be faxed within the continental United States and Hawaii provided there is an authorized individual waiting to receive the document and properly control it. U-NNPI may not be faxed to facilities outside the continental United States, including military installations, unless encrypted by means approved by CNO (N00N).
f) U-NNPI may be sent within the continental United States and Hawaii via first class mail in a single opaque envelope that has no markings indicating the nature of the contents.
g) Documents containing U-NNPI shall be disposed of as classified material.
h) Report any attempts to elicit U-NNPI by unauthorized persons to the appropriate security personnel.
i) Report any compromises of U-NNPI to the appropriate security personnel. This includes intentional or unintentional public release via such methods as theft, improper disposal (e.g., material not shredded, disks lost), placement on Web site, transmission via email, or violation of the information system containing U-NNPI.
j) The only approved storage for U-NNPI is CDMS NOFORN.

6.0 DELIVERY REQUIREMENTS

6.1 All items shall be delivered to:

Naval Foundry and Propeller Center
Attn: 1420.1 - Hardware
2003 Constitution Ave, Bldg. 1081
Philadelphia PA 19112

M-F (7:30am-3:00pm) Shipping and Receiving 215-897-6680

6.2 Delivery Schedule:

Table 3: Lead Time from Receipt of GFP

CLIN	Fastener Name	Drawing & PERs	Lead Time from Receipt of GFP
*001	Fastener, Tip Attachment	324531103	8 months
*002	Fastener, FWD Alignment Ring (FAR)	C24531113	8 months
*003	Fastener, AFT Alignment Ring (AAR)	C24531116	8 months
*004	Fastener, BSS to APB Vertical Attachment	C24523001	8 months
*005	Fastener, EU-2 and APB Hanger Attachment	324532030	8 months
*006	Shear Pin, AOS Rigging Trunnion Block	C24551120	8 months
*007 - *011	Shear Pin, Tip Attachment	324531104	8 months
*012	Fastener, AOS/FWD Assy. Attachment	C24553001	8 months
*013	Fastener, BSS/FWD Assembly	C24533001	8 months
*014	Fastener, Nut Cap Attachment	C24543003	8 months
*015	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	8 months
*016	Fastener, Tip Attachment	324531103	5 months
*017	Fastener, FWD Alignment Ring (FAR)	C24531113	5 months
*018	Fastener, AFT Alignment Ring (AAR)	C24531116	5 months
*019	Fastener, BSS to APB Vertical Attachment	C24523001	5 months
*020	Fastener, EU-2 and APB Hanger Attachment	324532030	5 months
*021	Shear Pin, Tip Attachment Size A	324531104	5 months
*022	Fastener, AOS/FWD Assy. Attachment	C24553001	5 months
*023	Fastener, BSS/FWD Assembly	C24533001	5 months
*024	Fastener, Nut Cap Attachment	C24543003	5 months
*025	Rotor Type DP2.3.X Hub Flange Fastener	C24541102	6 months

6.3 Earlier delivery of items and Certificate of Conformance Packets is acceptable and highly encouraged.

7.0 TRAVEL

NOT APPICABLE

8.0 GOVERNMENT FURNISHED PROPERTY

GFP is required for completion of tasks under this SOW. All Government Furnished Property is property of the U.S. Government and shall not be transferred to any individual or agency, public or private, without the express written approval of the originating Contracting Officer. Accountability for Government Property under this task order shall be managed in accordance with FAR Part 45 and DFARS Part 245 as well as the Government Property clauses in the Task Order, regardless of whether the property is Contractor Acquired Property (CAP), GFP, or received directly from another commercial source as a deliverable from a Government issued contract.

Additional Government Property accountability requirements are outlined in the following Directives and Instructions and shall be adhered to as applicable:

- DODI 4161.02, Accountability & Management of Government Contract Property
- DoDM 4140.01, DoD Supply Chain Material Management Procedures: Material Returns, Retention and Disposition
- DODI 5000.64, Accountability & Management of DoD Equipment and Other Accountable Property
- OPNAVINST 4440.26B, Operating Materials & Supplies and Government Furnished Material Management
- SECNAVINST 5200.43A, Property Management

All GFP (Government Furnished Property) identified in Section 8.9 of this Statement of Work will be provided no later than 30 days after completion of repair.

8.2 Reporting

The Contractor shall perform reporting functions and actions to maintain an accurate accounting of property. Receipt Reporting: DFARS 252.211-7007 requires the Contractor to report receipt of all GFP using the PIEE GFP Module.

8.3 Shipping Notification

FAR 52.245-1 requires the Contractor to report when GFP is returned to the Government, and the DoD Vendor Guide requires this notification be provided by posting electronic shipping notification to the PIEE GFP Module.

8.4 Inventory Reporting

FAR 52.245-1 requires the Contractor to periodically perform, record, and disclose physical inventory results. While the FAR clause does not define “periodically,” SECNAVINST 5200.43A requires on-hand inventory count reports to support property type specific inventory

requirements as set forth in their respective governing instructions. This report is to be delivered according to CRDL 003, Government Property Inventory Report. The Contractor shall provide support within a reasonable time after the Government's written request to support any Government audit in which GFP, or its related documentation, is requested as part of normal audit processes.

8.5 Lost, Damaged or Stolen GFP Reporting

FAR clause 52.245-1 requires the Contractor to investigate and report to the Government all incidents of property loss as soon as the facts become known. DFARS 252.245-7002, further requires the Contractor to report lost, damaged or stolen Government property using the Property Loss functionality within the PIEE GFP Module. The Contractor shall support the Government's process to assign liability and document loss in support of lost, damaged or stolen GFP.

8.6 Excess Property Reporting

SECNAVINST 5200.43A requires unused or excess GFP be properly dispositioned soon as the excess is identified without waiting for formal contract closeout processing. Recovering excess property from the Contractor via the Plant Clearance Automated Reutilization Screening System (PCARSS) as soon as possible ensures the property is available to fill other requirements and can potentially reduce the administrative costs of the contract.

8.7 Property Disposition

Government Property Distribution shall be in line with FAR 52.245-1(j). The contractor shall provide a written notice to the Contracting Officer when property held under this contract has not been used in 100 calendar days. All General Equipment/assets provided as GFP shall be returned to the Government for disposition at the completion of its use unless otherwise directed in writing by the Contacting Officer and the Accountable Property Officer.

8.7.1 Property Disposition Instructions

All GFP shall be shipped back to the NFPC at the below address unless otherwise directed in writing by the Contracting Officer:

Naval Foundry and Propeller Center
2003 Constitution Ave
Building 1081
Philadelphia, PA 19112

8.7.2 Issuance of the DD 1149 "Requisition and Invoice/Shipping Document"

The contractor must obtain a DD-1149s before removing any Government Furnished Property, including Plant, Property, and Equipment (PP&E) from NFPC premises for general use. For situations where the contractor picks up/replaces NFPC property for maintenance purposes, the contractor shall provide an equipment receipt, showing Manufacturer, Model/Part Number, Serial Number and Asset Number/Barcode, on their company letterhead to the COR. All GFP

returned to the Government shall include a DD 1149 to document transfer of liability back to the Government.

8.8 Contract Closeout Reporting

DFARS clause 252.245-7004 directs the Contractor to provide an inventory schedule using the PCARSS system at contract end to begin the disposition and disposal process. Reports generated by PCARSS and delivered to the Government must be used to update the APSR to ensure accountability of GFP returned or disposed of by the Contractor is maintained.

Government Furnished Property Reporting: The Contractor shall provide a report for all materials procured and/or furnished. The report shall include the fields required by the GFP module of the PIEE system IAW DFARS 252.211-7007 and PGI 245.103-72 for the purpose of accountability.

8.9. Amount of Government Furnished Property Per CLIN.

Table 4 shows the minimum diameter, minimum length per CLIN, and expected bar stock length that shall be provided by the Government to the contractor per CLIN. Note that in most cases, the bar stock will be provided in bars nine (9) to twelve (12) feet long. In some cases, the bar stock may be provided at a larger diameter than the minimum bar diameter listed in Table 4, but it shall not exceed .5” in excess to the minimum diameter.

Table 4: GFP Bar Stock for CLINs

CLIN	Associated Part (CLINs)	Min. Bar Dia. (in)	Bar Stock Lengths (in)	Min. Length Supplied Per CLIN (ft)
Inconel 718				
*001	Fastener, Tip Attachment	3.5”	48” – 144”	90 ft min.
*002	Fastener, FWD Alignment Ring (FAR)	3.5”	48” – 144”	40 ft min.
*003	Fastener, AFT Alignment Ring (AAR)	3.25”	24” – 144”	70 ft min.
*004	Fastener, BSS to APB Vertical Attachment	2.75”	24” – 144”	15 ft min.
*005	Fastener, EU-2 and APB Hanger Attachment	1.0”	24” – 144”	8 ft min.
*006	Shear Pin, AOS Rigging Trunnion Block	2.75”	24” – 144”	8 ft min.
*007	Shear Pin, Tip Attachment A	1.5”	7” – 144”	22 ft min.
*008 - *011	Shear Pin, Tip Attachment B through E	1.5”	7” – 144”	3 ft min./CLIN
K-Monel				
*012	Fastener, AOS/FWD Assy. Attachment	3.5”	10” – 144”	35 ft min.
*013	Fastener, BSS/FWD Assembly	5”	15” – 144”	52 ft min.
*014	Fastener, Nut Cap Attachment	1.5”	6” – 144”	8 ft min.
*015	Rotor Type DP2.3.X Hub Flange Fastener	6.375”	23” – 144”	35 ft min
Scaled CLINs				
*016	Fastener, Tip Attachment	3.5”	48” – 144”	5 ft min.

*017	Fastener, FWD Alignment Ring (FAR)	3.5”	48” – 144”	4.5 ft min.
*018	Fastener, AFT Alignment Ring (AAR)	3.25”	24” – 144”	5.5 ft min.
*019	Fastener, BSS to APB Vertical Attachment	2.75”	24” – 144”	4 ft min.
*020	Fastener, EU-2 and APB Hanger Attachment	1.0”	24” – 144”	2 ft min.
*021	Shear Pin, Tip Attachment size A	1.5”	7” – 144”	3 ft min.
*022	Fastener, AOS/FWD Assy. Attachment	3.5”	10” – 144”	4.5 ft min.
*023	Fastener, BSS/FWD Assembly	5”	15” – 144”	6.5 ft min.
*024	Fastener, Nut Cap Attachment	1.5”	6” – 144”	3 ft min.
*025	Rotor Type DP2.3.X Hub Flange Fastener	6.375”	23” – 144”	10 ft min.

9.0 GOVERNMENT FURNISHED INFORMATION

9.1 NFPC Drawing No. 0356 - Locking Pellet Installation and Torque Testing Procedure for Non-DoD Entities

9.2 DWG 324531103 – CLB Class Fastener, Tip Attachment – redlined

9.2.1 PER 166 – Tip Fastener Updates

9.2.2 PER 244 – Fastener, Tip Attachment Clarification of Thread Inspection Requirements

9.2.3 PER 809 - Heat/Lot Acceptance Testing Verbiage and General Note Revision

9.2.4 PER 1150 - Fastener, Tip Attachment - Material Certification and Hardness Testing Note Updates

9.3 DWG C24531113 – CLB Class Fastener, FWD Alignment Ring - redlined

9.3.1 PER 143 – FWD Alignment Ring Fastener Updates

9.3.2 PER 245 - Fastener, FWD Alignment Ring Clarification of Thread Inspection Requirements

9.3.3 PER 810 - Heat/Lot Acceptance Testing Verbiage and General Note Revision

9.3.4 PER 1171 - Fastener, FWD Alignment Ring - Material Certification And Hardness Testing Note Updates

9.4 DWG C24531116 – CLB Class Fastener, AFT Alignment Ring - redlined

9.4.1 PER 144 - AFT Alignment Ring Fastener Updates

9.4.2 PER 246 - Fastener, AFT Alignment Ring Clarification to Thread Inspection Requirements

9.4.3 PER 749 – AFT Alignment Ring Fastener Paint Requirements

9.4.4 PER 811 - Heat/Lot Acceptance Testing Verbiage and General Note Revision

9.4.5 PER 1172 - Fastener, AFT Alignment Ring - Material Certification and Hardness Testing Note Updates

9.5 DWG C24523001 – Fastener, BSS to APB Vertical Attachment - redlined

9.5.1 PER 141 – BSS to APB Vertical Attachment Fastener Updates

9.5.2 PER 243 – BSS to APB Vertical Attachment Fastener Clarification of Thread Inspection Requirements

9.5.3 PER 808 - Heat/Lot Acceptance Testing Verbiage and General Note Revision

9.5.4 PER 1170 - Fastener, BSS to APB Vertical Attachment - Material Certification And Hardness Testing Note Updates

9.6 DWG 324532030 – Fastener, EU-2 and APB Hanger Attachment - redlined

9.6.1 PER 254 – EU-2 and APB Hanger Attachment Fastener Clarification of Thread Inspection Requirements

9.6.2 PER 812 - Heat/Lot Acceptance Testing Verbiage and General Note Revision

9.6.3 PER 1165 - Fastener, EU-2 And APB Hanger Attachment - Material Certification and Hardness Testing Note Updates

9.7 DWG C24551120 – CLB Class Shear Pin, AOS Rigging Trunnion Attachment - redlined

9.7.1 PER 170 – Trunnion Block Shear Pin Updates

9.7.2 PER 248 – AOS Rigging Trunnion Block Shear Pin Clarification of Thread Inspection

9.7.3 PER 1175 - Shear Pin, AOS Rigging Trunnion Block - Material Certification Update and Updated Model Reflecting PER 0170 Changes

9.8 DWG 324531104 - Shear Pin, Tip Attachment – redlined

9.8.1 PER 1104 - FWD Assembly Tip Connection Shear Pin Vent Flat Depth Increase

9.8.2 PER 1121 - Shear Pin, Tip Attachment - Note Modernization and Model Files

9.9 DWG C24553001 - Fastener, AOS/FWD Assy. Attachment - redlined

9.9.1 PER 148 – AOS/FWD Attachment Fastener Updates

9.9.2 PER 256 - AOS/FWD Attachment Fastener Clarification of Thread Inspection

9.9.3 PER 622 - AOS/FWD Attachment Fastener QQ-N-286G Slow Strain Test Requirement

9.9.4 PER 1176 - Fastener, AOS/FWD Assembly Attachment - Hardness Testing Note Update

9.10 DWG C24533001 – Fastener, BSS/FWD Assembly Attachment - redlined

9.10.1 PER 146 – BSS/FWD Attachment Fastener Update

9.10.2 PER 201 – BSS/FWD Assembly Attachment Fastener (TWH, Thread Inspection, Breakaway and Prevailing Torque Value Changes)

9.10.3 PER 629 – BSS/FWD Assembly Attachment Fastener QQ-N-286G Slow Strain Rate Test Requirement and Notes Change

9.10.4 PER 1173 - Fastener, BSS/FWD Assembly Attachment - Hardness Testing Note Update

9.11 DWG C24543003 – Fastener, Nut Cap Attachment - redlined

9.11.1 PER 0084 – Delete Color Specification From Locking Element

9.12 DWG C24541102 – Fastener, Hub Flange Attachment

10.0 PURCHASES

All purchases shall be included into the contractor's price quotation prior to contract award.

11.0 COUNTERFEIT MATERIAL PREVENTION

11.1 Non-Electronic Materials

11.2 Department of the Navy contractors (and their subcontractors at all tiers) who obtain critical or high-risk materiel shall implement a risk mitigation process as follows:

11.3 If the materiel is currently in production or currently available, materiel shall be obtained only from authorized suppliers
11.4 If the materiel is not in production or currently available from authorized suppliers, materiel shall be obtained from suppliers that meet appropriate counterfeit avoidance criteria
11.5 Contractor shall notify the contracting officer when critical or high-risk materiel cannot be obtained from an authorized supplier.
11.6 Contractor shall take mitigating actions to authenticate the materiel if purchased from an unauthorized supplier
11.7 Contractor shall report instances of counterfeit and suspect counterfeit materiel to the contracting officer and the GIDEP as soon as the contractor becomes aware of the issue.

12.0 PERSONNEL

NOT APPICABLE

13.0 NSWCPD ELECTRONIC COST REPORTING AND FINANCIAL TRACKING (ECRAFT) SYSTEM

NOT APPICABLE

14.0 SPECIAL REQUIREMENTS

NOT APPICABLE