QUALITY ASSURANCE PROVISIONS

NSN: 3120 01-208-9152
P/N: (36659) LS10020-8PP22
NOMEN: Bushing, plain, push fit

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number ***(36659) LS10020-8PP22 Rev "E",*** or latest revision and all details, assemblies, and specifications referenced therein.

I. Quality/Inspection Requirements

A. MIL-I-45208 or ISO 9000 equivalent applies:
B. First Article Testing applies:
C. Mandatory Inspection applies:
D. Production Lot Testing Applies

II. Supplemental Requirements

A. Additionally, para. 3.1-3.5, 5.1-5.2, 6.1-6.2 of MIL-Q-9858 or ISO 9000 equivalent apply.

B. The contractor shall identify on the process/operation sheets all manufacturing sources performing processes/operations outside of their facilities. These sheets shall not be revised or altered after the successful completion of First Article and/or Production Lot Testing without approval from the Engineering Support Activity (ESA), via the PCO.

C. The Inspection Method Sheets, which list the characteristics of each item, produced under the contract shall have serial number traceability to the raw material, casting, or forging. In addition, the contractor is responsible for providing completed inspection method sheets showing the actual dimensions taken

D. Markings should be in accordance with MIL-STD-130 Rev. "L". Method and location shall be in accordance with the drawing.

III. Mandatory Inspection Requirements

During production, mandatory inspection is required to be accomplished by the contractor, as follows:

A. Level of Inspection (LOI):

1)Critical Characteristics: 100% inspection shall apply.

2) Major and Minor Characteristics - LOI shall be in accordance with a sampling plan acceptable to the QAR.

B. Critical Characteristics:

DRAWING ***(36659) LS10020-8PP22 Rev "E"***

Critical Characteristics

Shall be defined as below, unless defined by the prime contractor (36659)

Diametrical and linear dimensions having a total tolerance of 0.001 or less.

Surface finishes having a 16 value or less

Any geometric feature control requirement with a total tolerance range of 0.002 or less

Angular Tolerances with a total range less than one (1) degree.

Threads specified to class three (3) or greater.

C. Major and Minor Characteristics:

1) Shall be defined by the contractor subject to QAR concurrence, unless defined on applicable drawings and associated specifications.

IV. Unless expressly provided for elsewhere in this Clause, equipment such as fixtures, jigs, dies, patterns, templates, Mylar's, special tooling, test equipment, or any other manufacturing aid required for the manufacture and/or testing of the subject items will not be provided by the Government and is the sole responsibility of the of the contractor. The foregoing applies notwithstanding any reference to such equipment or the furnishing thereof that may be contained in any drawing

FIRST ARTICLE TESTS REQUIRED (Contractor Testing)

I. **First Article Inspection/Test Criteria**:

The tests to be performed under the First Article approval clause of the contract are:

A. Dimensional Check 100 % of finished part
B. Form
C. Compliance with drawing ***(36659) LS10020-8PP22 Rev "E"***, and all details, assemblies, specifications referenced therein.
D. Review documentation as provided under DD 1423 requirements.

In addition to the above tests, the First Articles to be delivered hereunder shall also be subjected to those tests that will demonstrate that the articles comply with contract requirements.
The contractor shall be responsible for providing necessary parts and repair of the First Article (s) during testing.
The contractor shall be responsible for providing necessary parts and repair of the First Article Sample (s) during testing.

II. **NOTIFICATION OF TESTING**: The contractor shall notify the PCO, ACO and QAR prior to conducting First Article Tests so that the Government may witness such testing

A. The QAR shall be present to witness all required Inspections/ Tests.

III. **Test Report**: The test report shall be in accordance with MIL- STD-831 and shall be submitted (2 copies) via the Cognizant CAO/QAR to the PCO. The CAO/QAR shall provide comments on Form DD 1222 (2 copies) which shall be forwarded with the test report. Approval of the test report is the PCO's responsibility. Upon notification of approval/conditional approval, the ACO shall execute the DD 250 to indicate Government acceptance of the test report.

IV. **Disposition Sample(s)**

A. Sample(s) may be considered as production items under the contract provided the sample(s) can be refurbished to ready for issue (RFI) condition and provided the sample(s) have inspection approval of the cognizant QAR. Sample(s) may be shipped as

Production items only after all other units required under the contract have been provided and are ready for shipment.

B. Test Sample Coating Instructions

One sample shall not be cadmium plated to verify dimensions. Corrosive areas are to be coated with a light preservative.

Notice to Government of Testing
FAR 52.209-3 applies

The contractor shall deliver 2 unit(s) of the following CAGE:
(36659) LS10020-8PP22 Rev "E",as specified in this contract. At least fourteen (14) calendar days before the beginning of the First Article testing, The contractor shall notify the contracting officer, in writing, of the time and location of the testing so that the Government may witness the tests.

The contractor shall submit the First Article Test Report within 15 calendar days from the date of testing to the contracting officer

The contractor shall mark the report "First Article Test Report" and cite the contract number and lot/item number. Review documentation as provided under the DD1423 requirements.

Within 45 calendar days after the Government receives the Inspection/Test report, the contracting officer shall notify the contractor, in writing, of the approval, conditional approval, or disapproval of the Inspection/Test report.
The notice of approval, conditional approval, or disapproval shall not relieve the contractor from complying with all requirements of the specifications and all other terms and conditions of this contract. A notice of conditional approval shall state any further action required of the contractor. A notice of disapproval shall cite reasons for disapproval.

If the Test Article is disapproved, the contractor, upon Government request shall repeat any or all Inspection/ Tests. After each request for additional tests, the contractor shall make any necessary changes, modifications, or repairs to the Test Article or select another Test Article for inspection/testing. All costs related to these tests are to be borne by the contractor, including any and all costs for additional tests following a disapproval. The contractor shall then conduct the tests and deliver another report to the Government under the terms and conditions and within the time specified in the paragraph above. The Government reserves the right to require an equitable adjustment of the contract price for any extension of the delivery schedule or for any additional costs to the Government related to these tests.

If the contractor fails to deliver any Test Article on time, or the contracting officer disapproves any Test Article, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract.

Unless otherwise provided in the contract, and if the approved Test Article is not consumed or destroyed in testing, the contractor may deliver the approved Test Article as part of the contract quantity if it meets all contract requirements for acceptance.

If the Government does not act within the time specified in paragraph (C) above the contracting officer, shall, upon timely written request from the contractor, equitably adjust under the Changes clause of this contract the delivery or performance dates and/or the contract price, and any other contractual term affected by the delay.

Before First Article Approval, the acquisition of materials or components for, or the commencement of production or, the balance of the contract quantity is at the sole risk of the contractor. Before First Piece First Production Lot approval, the costs thereof shall not be allocated to this contract for 1) progress payments, or 2) termination settlements if the contract is terminated for the convenience of the Government. The contractor is responsible for providing operating and maintenance instructions, spare parts, and repair of the Test First Article .

CONTRACT DATA REQUIREMENTS LIST
(2 Data Items)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY:
3120 01-208-9152		TDP☐ TM☐ OTHER☐
D. SYSTEM/ITEM	**E. CONTRACT/PR NO.**	**F. CONTRACTOR**

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
1	**CERTIFICATION DATA REPORT**	**COMPLETE PROCESS OPERATION SHEETS**	

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80678/T1		**DEFENSE SUPPLY CENTER RICHMOND**	

7. DD250 REQ	9. DIST STATEMENT REQUIRED	10 FREQUENCY	12 DATE OF FIRST SUBMISSION	14. DISTRIBUTION
LT		**AS REQ.**	**SEE BLOCK # 16**	
8. ADP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	
A		**AS REQ.**	**SEE BLOCK # 16**	

16. REMARKS

PARA. 10.1,10.2,10.2.1,10.2.2,10.2.4,10.5
*UPON SUBMISSION OF FIRST ARTICLE/PRODUCTION LOT TEST SAMPLE (S)
** IF PROCESS OPERATION SHEETS CHANGE AFTER SUCCESSFUL COMPLETION OF FAT/PLT

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCMC/ACO		1/0	
DCMC/QAR		1/0	
PCO		1/0	
15. TOTAL		3/0	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
2	**CERTIFICATION DATA REPORT**	**COMPLETE INSPECTION METHOD SHEETS**	

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. RE2QUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80678/T2		**DEFENSE SUPPLY CENTER RICHMOND**	

7. DD 250 REQ	9. DEST STATEMET REQUIRIED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14 DISTRIBUTION
LT		**AS REQ.**	**SEE BLOCK # 16**	
8. ADP CODE		11 AS OF DATE	13 DATE OF SUBSEQUENT SUBMISSION	
A		**AS REQ.**	**SEE BLOCK # 16**	

16. REMARKS

PARA. 10.1,10.2,10.2.1,10.2.2,10.2.4,10.5

*UPON SUBMISSION OF FIRST ARTICLE/PRODUCTION LOT TEST SAMPLE (S)
** AT TIME OF CONTRACT COMPLETION

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCMC/ACO		1/0	
DCMC/QAR		1/0	
PCO		1/0	
15. TOTAL		3/0	

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
NAVICP-P	September 17,2004	NAVICP-P	September 17,2004

CONTRACT DATA REQUIREMENTS LIST
(2 Data Items)

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 220 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to the above address. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXHIBIT	C. CATEGORY: TDP☐ TM☐ OTHER☐
D. SYSTEM/ITEM 3120 01-208-9152	E. CONTRACT/PR NO.	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
3	REQUEST FOR WAIVER		

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-CMAN-80640C		DEFENSE SUPPLY CENTER RICHMOND	

7. DD250 REQ	9. DIST STATEMENT REQUIRED	10 FREQUENCY	12 DATE OF FIRST SUBMISSION
LT		AS REQ.	SEE BLOCK #16
8. ADP CODE		**11. AS OF DATE**	**13. DATE OF SUBSEQUENT SUBMISSION**
A		AS REQ.	SEE BLOCK #16

16. REMARKS

14. DISTRIBUTION			
a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCMC/ACO		1/0	
DCMC/QAR		1/0	
PCO		1/0	
15. TOTAL		3/0	

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
4	REQUEST FOR DEVIATION		

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. RE2QUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-CMAN-80640C		DEFENSE SUPPLY CENTER RICHMOND	

7. DD 250 REQ	9. DEST STATEMET REQUIRIED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION
LT		AS REQ.	SEE BLOCK #16
8. ADP CODE		**11 AS OF DATE**	**13 DATE OF SUBSEQUENT SUBMISSION**
A		AS REQ.	SEE BLOCK #16

16. REMARKS

14 DISTRIBUTION			
a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCMC/ACO		1/0	
DCMC/QAR		1/0	
PCO		1/0	
15. TOTAL		3/0	

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
NAVICP-P	September 17,2004	NAVICP-P	September 17,2004

INSTRUCTION FOR COMPLETING DD FORM 1423

(See DoD 5010.12-M for detailed instructions.)

FOR GOVERNM

FOR GOVERNMENT PERSONNEL

Item A. Self-explanatory

Item B. Self-explanatory

Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual Other - other category of data, such as AProvisioning,≅ AConfiguration Management≅ ,etc.

Item D. Enter name of system/item being acquired that data will support.

Item E. Self-explanatory (to be filled in after contract award)

Item F. Self-explanatory (to be filled in after contract award)

Item G. Signature of preparer of CDRL

Item H. Date CDRL was prepared

Item I. Signature of CDRL approval authority

Item J. Date CDRL was approved

Item 1. See DoD FAR Supplement Subpart 4 71 for proper numbering.

Item 2. Enter title as it appears on data acquisition document cited in Item 4.

Item 3. Enter subtitle of data item for further definition of data item (optional entry)

Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-1 (AMSDL), or one-time DID number, that defines data content and format requirements

Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g., Statement of Work paragraph number)

Item 6. Enter technical office responsible for ensuring adequacy of the data item

Item 7. Specify requirement for inspection/acceptance of the data item by the Government

Item 8. Specify requirement for approval of a draft before preparation of the final data item

Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref DoDD 5230.24)

Item 10. Specify number of times data items are to be delivered

Item 11. Specify as-of date of data item, when applicable

Item 12. Specify when first submittal is required

Item 13. Specify when subsequent submittals are required, when applicable

Item 14. Enter addressees and number of draft/final copies to be delivered to each addressee. Explain reproducible copies it Item 16

Item 15. Enter total number of draft/final copies to be delivered

Item 16. Use for additional clarifying information for items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423

a. Group I. Definition - Data which is not otherwise essential to the contractorσ performance of the primary contracted effort (production development, testing, and administration) but which is required by DD Form 1423

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort both the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirement, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which i s estimated to be attributable to the production development for the Government of that items of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply the data, over and above those costs which would otherwise be incurred in performance of the contract if not data were required. The estimated data prices shall not include any amount for rights in data. The Government s right to use the data shall be governed by the pertinent provisions of the contract

CONTRACT DATA REQUIREMENTS LIST (1 Data Item)	Form Approved OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the Government Issuing Contracting Officer for the Contract/PR No. Listed in Block E.

A. CONTRACT LINE ITEM NO.	B. EXH/ATCH NO.	C. CATEGORY:
		TDP TM OTHER

D. SYSTEM/ITEM 3120 01-208-9152	E. CONTRACT/PR	F. CONTRACTOR

1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE	17. PRICE GROUP
5	**CERTIFICATION DATA/ REPORTS**		

4. AUTHORITY (Data Acquisition Document No.)	5. CONTRACT REFERENCE	6. REQUIRING OFFICE	18. ESTIMATED TOTAL PRICE
DI-MISC-80678/T3		**DEFENSE SUPPLY CENTER RICHMOND**	

7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION
LT		**AS REQ**	**SEE BLOCK 16***	

8. ADP CODE	11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION
A	**AS REQ**	**SEE BLOCK 16****

16. REMARKS

PARA. 10.1,10.2,10.2.1,10.2.2,10.2.4,10.5 apply

*** BLOCK # 12- UPON SUBMITTAL OF FIRST ARTICLE SAMPLE (s) AND/OR PRODUCTION LOT SAMPLE (s).**

****BLOCK # 13- REPORTS SHALL BE PROVIDED FOR THE BELOW LISTED SUB-TITLES.** These certifications are required at time of First Article/Production Lot testing or contract completion if testing is waived.

CERTIFICATION REPORTS FOR PRIME (OEM) PROCESSES AND MATERIAL SPECIFICATIONS SHALL INCLUDE,

CERTIFICATION THAT ALL VENDORS PREFORMING THESE PROCESSES ARE PRIME (36659) Loockheed/Martin. APPROVED FOR THEIR SAID PROCESS

BLOCK # 5- CONTRACT REFERENCE: LS10020-8PP22
Certifications are required for the below listed sub-titles
Material: 17-4PH per AMS 5643
Heat treat to 130,000-155,000 PSI UTS
Passivate per Mil-S-5002D (2)
Cadmium plate per SAE/AMS-QQ-P-416A

a. ADDRESSEE	b. COPIES Draft	Final Reg	Final Repro
DCMC/ACO		1/0	
DCMC/QAR *		1/0	
PCO **		1/0	

G. PREPARED BY	H. DATE	I. APPROVED BY	J. DATE
NAVICP-P	September 17,2004	NAVICP-P	September 17,2004