

CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

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A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY:				
				TOP	TM	OTHER		
D. SYSTEM/ITEM			E. CONTRACT/PR NO.		F. CONTRACTOR			
2840-00-907-2552								
1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE						
0001	CERTIFICATION DATA REPORTS	DETAILED PROCESS OPERATION SHEETS						
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE		6. REQUIRING OFFICE				
DI-MISC-80678-T1				DSC RICHMOND				
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION				
LT		AS REQUIRED	BLOCK 16*					
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE				
A			BLOCK 16*	b. COPIES				
16. REMARKS PARA. 10.1, 10.2, 10.2.1, 10.2.2, 10.2.4, 10.5 APPLY **UPON SUBMISSION OF FIRST ARTICLE TESTING** IF THE PROCESS OPERATIONS CHANGES AFTER APPROVAL OF FIRST ARTICLE TEST				Draft		Final		
				NAVAIR CP 3.3.2		1		
				DSCR VC		1		
				CAO		1		
				15. TOTAL		3		
1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE						
0002	CERTIFICATION DATA REPORT	COMPLETE INSPECTION METHOD SHEETS						
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE		6. REQUIRING OFFICE				
DI-MISC-80678-T2				DSC RICHMOND				
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION				
LT		AS REQUIRED	BLOCK 16*					
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE				
A			BLOCK 16*	b. COPIES				
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				NAVAIR CP 3.3.2		1		
				DSCR VC		1		
				CAO		1		
				15. TOTAL		3		
1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE						
0003	REQUEST FOR DEVIATION							
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE		6. REQUIRING OFFICE				
DI-NDTI-806441B				DSC RICHMOND				
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION				
LT		AS REQUIRED	BLOCK 16*					
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE				
				b. COPIES				
16. REMARKS ORIGINAL AND TWO COPIES				Draft		Final		
				CAO		1		
				NAVAIR CP 3.3.2		1		
				DSCR VC		1		
				15. TOTAL		3		
1. DATA ITEM NO.	2. TITLE OF DATA ITEM	3. SUBTITLE						
0004	REQUEST FOR WAIVER							
4. AUTHORITY (Data Acquisition Document No.)		5. CONTRACT REFERENCE		6. REQUIRING OFFICE				
DI-CMAN-80641B				DSC RICHMOND				
7. DD 250 REQ	9. DIST STATEMENT REQUIRED	10. FREQUENCY	12. DATE OF FIRST SUBMISSION	14. DISTRIBUTION				
LT		AS REQUIRED	BLOCK 16*					
8. APP CODE		11. AS OF DATE	13. DATE OF SUBSEQUENT SUBMISSION	a. ADDRESSEE				
				b. COPIES				
16. REMARKS ORIGINAL AND TWO COPIES				Draft		Final		
				CAO		1		
				NAVAIR CP 3.3.2		1		
				DSCR VC		1		
				15. TOTAL		3		
G. PREPARED BY		H. DATE	I. APPROVED BY		J. DATE			
Wilson		58-03	K. H. H. H.		5/2/03			

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

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17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

FIRST ARTICLE APPROVAL (GOVERNMENT TESTING)

P/N: (99207) 3005T56P01

NOMEN: T58 SEAL, AIR-TURBINE FRONT

NSN: 2840-00-907-2552

APPLICABLE CLAUSES:

A. The contractor shall deliver unit(s) of lot/item within 180 calendar days from the date of this contract to the activity listed below for the purpose of partial inspection/testing and preparation of test report per the requirements specified in MIL-HDBK-831 prior to forwarding sample(s) with report to the Government designated test facility listed below:

**Commanding Officer
Naval Air Depot
Attn: Code 3.3.2 (Mr. Steve Lundberg)
PSC Box 8021
Cherry Point, NC 28533-0021**

B. The contractor shall deliver 2 unit(s) of lot/item within 180 calendar days from the date of this contract to the Government Marking of test sample(s) shipping container: "FOR FIRST ARTICLE TESTING. NOT RFI MATERIAL. DO NOT TAKE UP IN STOCK. CONTRACT NUMBER:For First Article Test, the shipping documentation shall contain this contract number and the lot/item identification. The characteristics that the First Article must meet the testing requirements are specified elsewhere in this contract.

C. Within 120 calendar days after the Government testing facility receives the First Article Sample(s), the QAR's signed Material Inspection and Receiving Report, DD Form 250 and all detailed Process/Operation Sheets, Inspection Method Sheets, First Article Test Report (Signed by the QAR), and all Certificates of Compliance for material (including chemical analysis), Fluorescent Penetrant Inspection, any out-sourced process conducted on the First Article Sample(s) and all technical data used to manufacture the First Article Sample(s), the contracting officer shall notify the contractor, in writing, of the conditional approval, approval or disapproval of the First Article. The notice of conditional approval or approval 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 the disapproval.

D. If the First Article is disapproved, the contractor, upon Government request, shall submit an additional First Article for testing. After each request, the contractor shall make any necessary changes, modification, or repairs to the First Article or select another First Article for testing. All costs related to these tests are to be borne by the contractor, including any and all costs for additional tests following disapproval. The contractor shall furnish any additional First Article to the Government under the terms and conditions and within the time specified by the

FIRST ARTICLE APPROVAL (GOVERNMENT TESTING) continued

Government. The Government shall act on this First Article within the time limit specified in paragraph B 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.

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

F. Unless otherwise provided in the contract, the contractor

1) May deliver the approved First Article as a part of the contract quantity, provided it meets all contract requirements for acceptance and was not consumed or destroyed in testing and;

2) Shall remove and dispose of any First Article from the Government test facility at the contractor's expense.

G. If the Government does not act within the time specified in paragraph B or 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.

H. The contractor is responsible for providing operating and maintenance instructions, spare parts support, and repair of the, First Article during any First Article Test.

I. Before First Article approval, the acquisition of materials or components for, or the commencement of production of, the balance of the contract quantity is at the sole risk of the contractor. Before First Article approval, the costs thereof shall not be allocable to this contract for

1) progress payments, or

2) termination settlements if the contract is terminated for the convenience of the Government.

J. The contractor shall produce both the First Article and the production quantity at the same facility and shall submit a certification to this effect with each First Article.

K. The contractor shall provide specific written notification to the procuring contracting officer informing him of the shipment of any; article(s) furnished in accordance with this clause. Such notification must be addressed to the attention of the ACO with copies to DSCR-VC and to the testing activity. Failure to provide such notification shall excuse the Government from any delay in performing First Article Testing and informing the contractor of the results thereof.

PRODUCTION LOT TESTING APPROVAL (GOVERNMENT TESTING)

P/N: (99207) 3005T56P01

NOMEN: T58 SEAL, AIR-TURBINE FRONT

NSN: 2840-00-907-2552

A. The Production Lot Samples shall be:

1. Selected at random by the cognizant government QAR. Such samples shall be submitted via the cognizant government inspector, and all transportation charges prepaid by the contractor to:

**Commanding Officer
Naval Air Depot
Attn: Code 3.3.2 (Mr. Steve Lundberg)
PSC Box 8021
Cherry Point, NC 28533-0021**

2. The samples shipping container and samples shall be identified by contract number, lot number and be clearly marked as follows:

**PRODUCTION LOT TEST SAMPLES
NON-RFI MATERIAL
DO NOT TAKE UP IN STOCK**

B. Such samples shall be delivered to the testing facility in sufficient time prior to the delivery date of the production articles to allow a 90 day period for testing and written notification by the contracting officer of the approval or disapproval of the samples. Within 120 days of the receipt of the samples, the testing facility shall notify the contracting officer, PCO/ACO of the results of the testing, together with the recommendation for approval or disapproval.

C. In the event the contractor does not receive written notification of approval or disapproval of the samples for a particular lot within 120 days from their submission for such testing, the contract delivery schedule shall be equitably adjusted as necessary.

D. If the contractor fails to deliver any Production Lot Samples for testing within the time or times specified, or if the contracting officer disapproves any Production Lot Samples, the contractor shall be deemed to have failed to make delivery within the meaning of the default clause of this contract, and this contract shall be subject to termination for default.

E. In order for a Production Lot to be acceptable, all samples representative of the lot must pass all the contract requirements. In the event a sample fails to pass such requirements, the lot will be rejected. In such event, the government may, at its option and at no additional cost to the government, (I) terminate all or any portion of this contract for default, (II) require the manufacture of a new Production Lot, or a rework of the rejected Production Lot if the means and procedures by the contractor for rework are acceptable to the government, or (III) require the

PRODUCTION LOT TESTING (GOVERNMENT TESTING) continued

submission of additional samples for test. The foregoing procedures shall apply to new or reworked Production Lots in the same way as they did to the original Production Lot.

F. For each additional sample or each resubmission of a modified sample which the contractor is required to submit for approval hereunder as a result of a failure of a previous sample to conform to the requirements of the specification, the contractor shall pay to the government the costs of reinspection, examination and retesting and the contractor and his sureties (if any) shall be liable for the amount of such costs.

G. The contractor must provide material disposition instructions to the First Article Coordinator at the **Naval Air Depot, Cherry Point, NC (Mr. Steve Lundberg, Code 3.3.2)** for the return of the production lot samples.

H. Nothing contained in the foregoing provisions of this clause, and not action of the government in accordance herewith, shall in any way prejudice the right of the government under this clause of this contract entitled default.

PRODUCTION LOT TESTING REQUIREMENTS (GOVERNMENT TESTING)

P/N: (99207) 3005T56P01

NOMEN: T58 SEAL, AIR-TURBINE FRONT

NSN: 2840-00-907-2552

QUANTITY: 2

The material produced under contract shall be accepted by the cognizant CAO/QAR upon the successful completion of these requirements.

I. Production Lot Test Requirements

A. The cognizant CAO/QAR shall select the applicable number of items at random from the production lot per the ANSI/ASQC Z1-4 Sampling Procedures and Tables for Inspection by Attributes. In addition the QAR shall select the applicable number of items at random from each successive lot or portion thereof per the ANSI/ASQC Z1-4 Sampling Procedures and Tables for Inspection by Attributes.

B. Production Lot Testing to be completed during production after First Article Approval.

C. Sample(s) are to be unpainted. Corrosive areas to be coated with a light preservative.

D. If sample(s) are not destroyed during testing, they will be put into Defense Logistic Agency stock.

II. The tests to be performed under the Production Lot Sample testing provisions of the contract are:

A. Compliance with General Electric Drawing (99207) 3005T56 Rev. C and all details and specifications referenced therein.

B. Identification: Verification and certification that the parts are serialized and identified per the requirements of General Electric Drawing (99207) 3005T56 Rev. C and all details and specifications referenced therein.

C. Packaging and Preservation: Verification that the parts have been packaged and preserved per the requirements of the contract.

D. Dimensional: Verification and certification of 100% dimension check of finished Production Lot Sample(s).

E. Visual: Verification and certification of the overall workmanship of the Production Lot Sample(s).

F. Non-Destructive Inspection: Verification and certification of Fluorescent Particle Inspection per P3TF2.

PRODUCTION LOT TESTING REQUIREMENTS (GOVERNMENT TESTING) continued

G Fit/Form/Function: Verification and certification of fit/form/function to the next higher assembly, (99207) 5126T00P01, Shaft, Turbine Front.

H. Material Analysis of the Production Lot Sample(s). NOTE: A destructive material analysis can be waived **ONLY** if a destructive material analysis was conducted by the Engineering Support Activity (ESA), **Code 4.4.8.2, Naval Air Depot, Cherry Point, NC** during a successful First Article Inspection. However, all applicable material certificates of compliance will have to be provided for the production lot for verification of the material.

- 1) Destructive material analysis to verify material composition of B50T783A.
- 2) Verification of compliance with Drawing Note 2 HARDNESS TO BE RC 25 MIN AGE AT 1400°F 2 HRS.

I. Review of documentation as provided under DD 1423 requirements.

In addition to the above tests, the Product Lot Sample(s) to be delivered hereunder shall also be subjected to those tests, which will demonstrate that the sample(s) comply with contract requirements.

III. Testing Location

A. The contractor is to ship sample(s) and all required documentation and technical data to:

**Commanding Officer
Naval Air Depot
Attn: Code 3.3.2 (Mr. Steve Lundberg)
PSC Box 8021
Cherry Point, NC 28533-0021**

B. The shipping container marking: "FOR PRODUCTION LOT TESTING. NON RFI MATERIAL. DO NOT TAKE UP IN STOCK. CONTRACT NUMBER _____."

Within fifteen (15) days of completion of Production Lot Testing the CAO/QAR shall prepare and submit two (2) copies of their test report with conclusions and recommendations to the Contracting Officer.

PRODUCTION LOT TESTING REQUIREMENTS (GOVERNMENT TESTING) continued

Shipment and Distribution of Sample(s):

A. Fourteen (14) days prior to shipment of Production Lot Sample(s) the contractor shall notify the designated test facility, in writing of the anticipated shipping date, with an information copy to the PCO, ACO and the QAR. The contractor shall also arrange for preliminary inspection of test samples by the CAO/QAR.

B. Upon shipment of the Production Lot Sample(s), two (2) copies of the Material Inspection and Receiving Report (DD Form 250), bearing the QAR's signature and indication of preliminary inspection, shall be forwarded to the PCO/ACO **DSCR (Code DSCR-VC)**, and the testing facility. In addition, the contractor shall provide all detailed Process/Operation Sheets, Inspection Method Sheets, First Article Test Report (Signed by the QAR), and all Certificates of Compliance for material (including chemical analysis), Fluorescent Penetrant Inspection, any out-sourced process conducted on the Production Lot Sample(s) and all technical data used to manufacture the Production Lot Sample(s) to the testing facility. The envelopes shall be clearly marked, "DO NOT OPEN IN MAILROOM".

C. Production Lot 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 sample(s) have inspection approval from the cognizant DCMAO and the ESA engineer (H-46FST.6 (Code 4.4.8.2)). Sample(s) may be shipped as production items **ONLY** after all other units required under contract have been produced and are ready for shipment.

D. Sample(s) will be returned to the contractor. The contractor must provide material disposition instructions to:

**Commanding Officer
Naval Air Depot
Attn: Code 3.3.2 (Mr. Steve Lundberg)
PSC Box 8021
Cherry Point, NC 28533-0021**

E. The designated test facility and the contracting officer shall be notified as to all shipping data applicable to the sample(s), such as bill of lading number, method of shipment, etc. within fourteen (14) days prior to shipping.

MANDATORY QUALITY ASSURANCE PROVISIONS

P/N: (99207) 3005T56P01

NOMEN: T58 SEAL, AIR-TURBINE FRONT

NSN: 2840-00-907-2552

APPLICABLE CLAUSES:

Articles to be furnished hereunder shall be manufactured, tested and inspected in accordance with drawing number General Electric Drawing (99207) 3005T56 Rev. C and all details and specifications referenced therein.

I. Process/Operation Sheets Revision "C" date shall be utilized in manufacture of the articles to be furnished hereunder.

II. Quality/Inspection Requirements

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

III. Supplemental Requirements

- A. Additionally, paragraphs 3.1-3.5, 5.1-5.2, and 6.1-6.2 of MIL-Q-9858 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 or Production Lot Testing without approval from the ESA located at the Naval Air Depot, Cherry Point, North Carolina, 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.
- D. The contractor shall provide all certificates of compliance for any material purchased or any processes performed by a sub-vendor, i.e. heat treat, NDI, plating, painting, etc. All material and/or process sub-vendors shall be OEM approved sources.

MANDATORY QUALITY ASSURANCE PROVISIONS continued

E. Markings should be I/A/W MIL-STD-130 latest revision, paragraphs 5.3.3(a), (b), (c) and (g). Method and location shall be I/A/W drawing.

IV. 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 I/A/W sampling plan acceptable to the QAR

B. Critical Characteristics General Electric P/N (99207) 3005T56P01:

- 1) Zone C4 @ 3.696/3.695
- 2) Zone C7 @ 2.6006/2.6000
- 3) Zone B3 Drawing Note 2
- 4) Zone B3 Drawing Note 4
- 5) Zone C3 Drawing Note 5

C. Major and Minor Characteristics

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

V. The below listed drawings apply and are being furnished.

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

MANDATORY QUALITY ASSURANCE PROVISIONS continued

VII. The following manufacturing aid(s) will be furnished for the purpose(s) indicated and shall be returned to the Government after use as intended and not later than the delivery date of the last production item of the contract EQUIPMENT PURPOSE COGNIZANT ACTIVITY.



DEPARTMENT OF THE NAVY

NAVY LOGGERS DEPT

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Ser 1146FST.8-DEW/3423.3

3 3 MAY 2000

From: Commanding Officer
To: Commander, Defense Supply Center Richmond (DSCR JLTA), 8000 Jefferson Davis Highway, Richmond VA 23297-5610
Subj: REQUEST FOR ENGINEERING SOURCE APPROVAL FOR ALTERNATE SOURCE QUALIFICATION TECHNICAL DATA PACKAGE 3988, T58 SEAL, AIR-TURBINE FRONT P/N (99207) 3005T56P01, NSN 2840-00-907-2552; AS FURNISHED BY ELECTRO-METHODS, INC. (33617)
Ref: (a) NAVICP Philadelphia PA ltr 0733 16/0302045782552 of 22 Aug 02
(b) NAVAIRINST 4200.25D
Encl: (1) Alternate Source Qualification (ASQ) Technical Data Package (TDP) T58 3988
(2) ASQ TDP Technical Review Checklist with Addendums
(3) Quality Assurance Provisions

1. Reference (a) requested that we perform a final engineering review on the subject TDP forwarded as enclosure (1). Electro-Methods, Inc. of South Windsor, Connecticut has requested source approval on the basis of having previously manufactured a similar part for the Defense Supply Center Richmond.

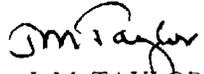
2. Enclosure (2) identifies our findings/concerns resulting from a review of enclosure (1) per the requirements of reference (b). Additions have been added to the quality assurance provisions generated by NAVICP-P. Since Electro-Methods has never manufactured the subject part for the Government, the T58 engineer has indicated that the First Article Inspection and follow on Production Lot Inspection shall be conducted at this depot versus at the contractor's facility. The Quality Assurance Provisions (QAPs) were rewritten and are forwarded as enclosure (3) and shall be incorporated into any resulting contract. The QAPs include:

- a. Mandatory Quality Assurance Provisions
- b. First Article Tests Requirements (Government Testing)
- c. First Article Approval (Government Testing)
- d. Production Lot Testing Requirements (Government Testing)
- e. Production Lot Approval (Government Testing)
- f. Contract Data Requirements List

3. The subject ASQ TDP is conditionally accepted upon compliance with the annotated findings and concerns denoted in enclosure (2) and the addition of enclosure (3) into any future contract.

Subj: REQUEST FOR ENGINEERING SOURCE APPROVAL FOR ALTERNATE SOURCE
QUALIFICATION TECHNICAL DATA PACKAGE 3988, T58 SEAL, AIR-TURBINE
FRONT P/N (99207) 3005T56P01, NSN 2840-00-907-2552; AS FURNISHED BY
ELECTRO-METHODS, INC. (33617)

4. Direct any questions concerning this package to Mrs. Deborah E. Wilson (H46FST.8). DSN
451-7182 or (252) 464-7182.



J. M. TAYLOR

By direction

Copy to:

COMNAVAIRSYSCOM Patuxent River MD (AIR-4.1C) (w/o encls)

NAVAIRSYSCOM PMA Two Two Six Cherry Pt NC (Code 013) (w/o encls)