

QUALITY ASSURANCE PROVISIONS

C-321: SPECIFICATION

NSN: 2840-01-387-0351 P/N: (03673) SSCY11928-KIT
NOMENCLATURE: SEAL KIT, METALLIC

APPLICABLE CLAUSES: T64 TURBOSHAFT ENGINE

Articles to be furnished here under shall be manufactured, tested and inspected in accordance with drawing number (03673) SSCY11928-KIT, Rev "B", and all details and specifications referenced therein.

I. Quality/Inspection Requirements:

- A. MIL-I- 45208 or ISO 9000 equivalent applies: Refer to contract, section E.
- B. First Article Testing applies: Refer to contract, section I.
- C. Production Lot Testing Applies: Refer to contract, section C.
- D. Mandatory Inspection applies: Refer to contract, section C.

II. Supplemental Requirements:

- A. In addition paragraph I. A. above, paragraphs 3.1-3.5, 5.1-5.2, & 6.1-6.2 of MIL-Q-9858 or ISO9000 equivalent applies.
- B. The contractor shall include on their detailed process/operation sheets that are used during manufacturing of subject item, all their in-house manufacturing processes along the identity of all manufacturing sources who perform 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 basic design engineering activity via the PCO.
- C. The Inspection Method Sheets that list the characteristics of each item produce under the contract shall have serial number traceability to the raw material, casting, or forging.
- D. Markings should be LAW MIL-STD-130 Rev. "J" paragraph 5.3.(a), (b), (c), and (g). Method and location shall be in accordance with the subject item drawing.

III. Mandatory Inspection Requirements:

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

- A. Level of Inspection (LOI):
 - 1. Critical Characteristics: 100% inspection and annotation of actual results of each characteristic on each part produced shall apply.
 - 2. Major and Minor Characteristics - LOI shall be in accordance with a sampling plan that is acceptable to the QAR.

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B. Critical Characteristics:

1. Notes 3 and 4 of drawing SSCY11928-Kit, Rev "B"
2. Notes 2, 3, 5 and 6

C. Major and Minor Characteristics

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

IV. Miscellaneous Requirements:

1. Unless expressly provided for elsewhere in this Clause, equipment (i.e., 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 U.S. Government or any other source. Provision for required equipment 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.

FIRST ARTICLE TESTS REQUIRED (Government 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 / Fit
- C. Compliance with drawing, (03673) SSCY11928-KIT, Rev"B", and 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, which 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 Shipment of Material for Government Testing:

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

Upon shipment of First Article 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 and the designated test facility. The envelopes shall be clearly marked, "DO NOT OPEN IN MAILROOM".

III. Special Instructions:

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. Samples(s) may be shipped as production items only after all other units required under the contract have been produced and are ready for shipment.

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FIRST ARTICLE APPROVAL (Government Testing)

A. The contractor shall deliver two (2) units of lot / item 001 within 180 calendar days from the date of this contract, to the government designated facility listed below.

**COMMANDING OFFICER
NAVAL AVIATION DEPOT
Attn: Annie Thomas, Code 6.1.523
PSC Box 8021
MCAS Cherry Point, NC 28533-0021**

1. The test sample(s) shipping container shall be clearly marked:

**FOR FIRST ARTICLE TESTING
NOT FOR RFI
DO NOT TAKE UP IN STOCK
CONTRACT NUMBER:**

2. The shipping documentation shall contain this contract number and the lot/item identification. The characteristics that the First Article must meet and testing requirements that are specified elsewhere in this contract.

B. 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 Government.

C. The government shall act on this First Article within the time limit as agreed upon at time of re-submission. 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.

D. 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.

E. Unless otherwise provided in the contract, and if the approved First Article is not consumed or destroyed in testing, the contractor:

1. May deliver the approved First Article as part of the contract quantity if it meets all contract requirements for acceptance.

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

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

G. 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.

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FIRST ARTICLE APPROVAL (Government Testing)

H. 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.

I. The contractor shall provide specific written notification to the procuring contracting officer informing him/her of the shipment of any articles furnished in accordance with this clause. Such notification must be addressed to the attention of the ACO with copies to NAVICP 072 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.

C-330

PRODUCTION LOT TESTING REQUIREMENTS

NSN: 2840-01-387-0351, P/N: (03673) SSCY11928-KIT

NOMENCLATURE: SEAL KIT, METALLIC

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

I. Production Lot Test Requirements

- A. The cognizant CAO/QAR shall select 2 items at random from the first produced.
- B. Production Lot Testing to be completed during production after First Article approval.

II. Production Lot Sample Testing Provisions

- A. Compliance to be per drawing (03673) SSCY11928-KIT, Rev "B".
- B. Dimensional Check
- C. Review of documentation as provided under CDRL (DD1423)

In addition to the above tests, The Production Lot Samples delivered hereunder shall also be subjected to those test which will demonstrate that the samples comply with contract requirements.

III. Testing Location, Cost and Estimated Leadtime

- A. Testing may be accomplished at contractor's facility or at the following testing facility:

Naval Aviation Depot
Attn: A. Thomas, Code 6.1.523
PSC Box 8021, Bldg 137
MCAS Cherry Point, NC 28533-0021

Within fifteen days of completion of Production Lot Testing, NAVAVNDEPOT, Cherry Point, NC and/or CAO/QAR shall prepare and submit two copies of their test report with conclusions and recommendations to the NAVICP-PHIL Code 0733.

IV. Notification Of Testing

The contractor shall notify the PCO, ACO and QAR prior to conduction Production Lot Tests so that the Government may witness such testing.

- A. The QAR Shall be present to witness all Production Lot Testing.

V. Inspection of Samples

A. Upon inspection of Production Lot Samples, 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 NAVICP-PHIL Code 0733 with duplicate copies to NAVAVNDEPOT, Cherry Point, NC, Code 6.1.523 and to the designated test facility. The envelope shall be clearly marked. **"DO NOT OPEN IN MAILROOM"**.

B. Samples may be considered as production items under the contract provided the samples can be refurbished to Ready For Issue (RFI) condition and provided the samples have inspection approval of the cognizant CAO/QAR. Samples may be shipped as production items only after all other units required under the contract have been produced and ready for shipment.

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PRODUCTION LOT SAMPLE TESTING (CONTRACTOR TESTING)

NSN: 2840-01-387-0351 P/N: (03673) SSCY11928-KIT

NOMENCLATURE: SEAL KIT, METALLIC

A. The Production Lot Samples shall be selected at random by the cognizant government inspector. The samples shall be identified by contract number, lot number and clearly marked as follows:

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

B. Such samples shall be tested in sufficient time prior to the delivery date of the production articles to allow a 30 day period for testing and written notification by the contracting officer of the approval or disapproval of the samples. Within 15 days of the receipt of the samples, the CAO shall notify the contracting officer, Naval Inventory Control Point, Philadelphia, PA, Code 0733 of the results of the testing together with a 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 production lot within 15 days from their submission of 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 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, (1) terminate all or any portion of this contract for default, (2) require the manufacture of a new Production Lot, (3) rework the rejected Production Lot sample if the means and procedures proposed by the contractor for rework are acceptable to the government, or (4) require the 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 re-submission of a modified sample that the contractor is required to submit for approval hereunder due a failure of a previous sample to conform specification and/or contract requirements, the contractor shall be required to pay the government for re-inspection, examination and re-testing costs. In addition, the contractor and his sureties (if any) shall be liable for the amount of such costs.

G. Nothing contained in the foregoing provision of this clause, and no action of the government in accordance herewith, shall in any way prejudice the right of the government under the clause of this contract entitled "Default".

CONTRACT DATA REQUIREMENTS LIST

Form Approved
OMB No. 0704-0188

The public reporting burden for this collection of information is estimated to average 440 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 the 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 <u>Engineering</u>	
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D. SYSTEM/ITEM 2840-013870351	E. CONTRACT/PR NO.	F. CONTRACTOR STEIN SEAL CO.
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1. DATA ITEM NO. 001	2. TITLE OF DATA ITEM CERTIFICATION DATA/REPORT	3. SUBTITLE COMPLETE PROCESS/OPERATION SHEETS
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4. AUTHORITY (Data Acquisition Document No.) DI-MIS-80678/T1		5. CONTRACT REFERENCE		6. REQUIRING OFFICE NAVAIRDEP CHERRY POINT		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY *SEE BLOCK 16	12. DATE OF FIRST SUBMISSION *SEE BLK 16	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE *SEE BL 16	13. DATE OF SUBSEQUENT SUBMISSION **SEE BK 16	a. ADDRESSEE		
				Draft		b. COPIES
						Final
						Reg
						Repro

16. REMARKS * UPON SUBMITTAL OF FIRST ARTICLE (FAT) AND/OR PRODUCTION LOT (PLT) SAMPLES FOR INSPECTION ** IF PROCESSES/OPERATIONS CHANGE AFTER APPROVAL OF				NAVICP232/0733		
				NAVAIRDEP CP		
				CAO/QAR		
				15. TOTAL →		4

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. 002	2. TITLE OF DATA ITEM CERTIFICATION DATA/REPORTS	3. SUBTITLE COMPLETED INSPECTON METHOD SHEE
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4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80678/T2		5. CONTRACT REFERENCE		6. REQUIRING OFFICE NAVAIRDEP CHERRY POINT		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY *See Blk 16	12. DATE OF FIRST SUBMISSION *See Blk16	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE *See BLK16	13. DATE OF SUBSEQUENT SUBMISSION **See Blk16	a. ADDRESSEE		
				Draft		b. COPIES
						Final
						Reg
						Repro

16. REMARKS * UPON SUBMITTAL OF FIRST ARTICLE (FAT) AND/OR PRODUCTION LOT (PLT) SAMPLES FOR INSPECTION ** IF PROCESSES/OPERATIONS CHANGE AFTER APPROVAL OF FAT/PLT				NAVICP232/0733		
				NAVAIRDEP CP		
				CAO/QAR		
				15. TOTAL →		4

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. 003	2. TITLE OF DATA ITEM REQUEST FOR DEVIATION	3. SUBTITLE
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4. AUTHORITY (Data Acquisition Document No.) DI-CMAN-80640B		5. CONTRACT REFERENCE		6. REQUIRING OFFICE NAVICP PHILADELPHIA		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION AS REQ	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE AS REQ	13. DATE OF SUBSEQUENT SUBMISSION AS REQ	a. ADDRESSEE		
				Draft		b. COPIES
						Final
						Reg
						Repro

16. REMARKS ORIGNIAL AND TWO COPIES				NAVICP 0232		
				NAVICP 0733		
				15. TOTAL →		2

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

1. DATA ITEM NO. 004	2. TITLE OF DATA ITEM REQUEST FOR WAIVER	3. SUBTITLE
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4. AUTHORITY (Data Acquisition Document No.) DI-MISC-80641B		5. CONTRACT REFERENCE		6. REQUIRING OFFICE NAVICP PHILADELPHIA		
7. DD 250 REQ LT	9. DIST STATEMENT REQUIRED	10. FREQUENCY AS REQ	12. DATE OF FIRST SUBMISSION AS REQ	14. DISTRIBUTION		
8. APP CODE		11. AS OF DATE AS REQ	13. DATE OF SUBSEQUENT SUBMISSION AS REQ	a. ADDRESSEE		
				Draft		b. COPIES
						Final
						Reg
						Repro

16. REMARKS ORIGINAL AND TWO COPIES				NAVICP 0232		
				NAVICP 0733		
				15. TOTAL →		2

17. PRICE GROUP
18. ESTIMATED TOTAL PRICE

G. PREPARED BY <i>[Signature]</i>	H. DATE 1/29/02	I. APPROVED BY <i>[Signature]</i>	J. DATE 1/29/02
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INSTRUCTIONS FOR COMPLETING DD FORM 1423
(See DoD 5010.12-M for detailed instructions.)

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 "Provisioning," "Configuration 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-L (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. DoD 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 in Item 16.
- Item 15.** Enter total number of draft/final copies to be delivered.
- Item 16.** Use for additional/claryfing 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 contractor's 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 but 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 requirements, 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 is estimated to be attributable to the production or development for the Government of that item 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 no 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.