

REQUEST FOR ENGINEERING INFORMATION (REI)

1. ORIGINATOR NAME/PHONE NO. FLORINE SMITH 804-279-4304	2. ORG/CODE 0731.12	3. CONTRACT OR SCHEDULE NUMBER	4. REI NUMBER 04-12014
5. NSN/PART NOMENCLATURE 5365-00-672-1505	6. DWG./PART NO. AFFECTED D87889-24 (80020)	7. TYPE OF EQUIPMENT SPACER	8. REQUEST DATE 03/20/04
9. SUPERVISOR	10. INSPECTOR	11. REFERENCE DOCUMENT DSCR-JD-04-07352	PAGE 1 OF 8

DESCRIPTION OF PROBLEM

12. TDR REQUEST... 30-DAY TURNAROUND TIME REQUESTED.

MOST RECENT TDR AVAILABLE TO DSCR IS REI# 01-12833. IS THIS TDR IS CURRENT OR IF THERE ARE CHANGES, PLEASE SUPPLY THE MOST CURRENT TDR AND DRAWING PACKAGE.

PLEASE IDENTIFY SOURCES OF SUPPLY AND INCLUDE A LEGIBLE COPY OF THE CURRENT DRAWING AND A CURRENT COPY OF THE QM1006 QUALITY REQUIREMENTS IF NOT INCORPORATED INTO THE TDR. IN ADDITION, PLEASE IDENTIFY IF THIS ITEM IS CRITICAL OR HAS CRITICAL APPLICATION AND IF A FAT AND/OR A PAS ARE REQUIRED.

CRITICALITY DETERMINATION REQUESTED.

POC FOR THIS REQUEST IS CHARLES JOHNSON, 215-697-2196 AT NAVICP-P. THIS POC IS FOR GOVERNMENT USE ONLY AND IS NOT TO BE USED BY CONTRACTORS AS A POINT OF CONTACT. THE POC FOR CONTRACTORS IS SHOWN AT THE TOP LEFT CORNER OF THIS PAGE.

NAVAIR COMMENT

14. CRITICAL APPLICATION ITEM.

TDR PROVIDED BEGINNING ON PAGE 2.

15. CHANGE DRAWINGS MANUALS MRC's ECP REQ'D	16. NAVAIR COMMENT PREPARED BY R KOTELNICK	PHONE NUMBER 732-323-1582	DATE 5/3/04	CODE 4.8.10.2
	17. NAVAIR COMMENT APPROVED BY W. LEAMON for H SCHIEDER	PHONE NUMBER 732-323-7976	DATE 5/3/04	CODE 48102

REI NAWC COMMENTS (CONT'D)

REI-04-12014

D87889-24

REVISION 30

IN "UNLESS OTHERWISE INDICATED" BLOCK, ASME Y14.100 (SUPERSEDING "MIL-STD-100").

IN BILL OF MATERIAL, FOR -24 SPACER, IN "SPECIFICATION" BLOCK, ASTM B21/B21M (SUPERSEDING "ASTM B21").

ABOVE BILL OF MATERIAL, ADD THE FOLLOWING:

CRITICAL APPLICATION ITEM

THE ITEM SPECIFIED BY THIS DRAWING WILL BE USED AS PART OF A SYSTEM SUPPORTING THE LAUNCH AND/OR RECOVERY OF AIRCRAFT AND IS ESSENTIAL TO SYSTEM PERFORMANCE OR OPERATION OR THE PRESERVATION OF LIFE OR SAFETY OF OPERATING PERSONNEL. AS SUCH, THE ITEM HAS BEEN DESIGNATED AS A CRITICAL APPLICATION ITEM (CAI). ANY DEVIATION FROM THIS SPECIFICATION, WITHOUT WRITTEN APPROVAL FROM THE NAVAL AIR SYSTEMS COMMAND (NAVAIR), SUPPORT EQUIPMENT AND AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (SE & ALRE) DEPARTMENT, IS STRICTLY PROHIBITED.

IN NOTE 5, NAWC CAGE CODE-PART NO. AND CONTRACT NO. (SUPERSEDING "NAWC PART NUMBER, DESIGN CODE, INDENT NUMBER AND CONTRACT NUMBER").

IN NOTE 14, ASME B46.1 (SUPERSEDING "ANSI/ASME B46.1").

NOTE 1:

SECTION 326 OF THE 1993 DEFENSE AUTHORIZATION ACT PLACES RESTRICTIONS ON THE USE OF CLASS I OZONE DEPLETING SUBSTANCES (ODS). UNTIL SUCH TIME AS THESE CLASS I ODS'S ARE ELIMINATED FROM MILITARY DRAWINGS AND SPECIFICATIONS (INCLUDING SECOND TIER, I.E., THOSE SPECIFICATIONS LISTED IN THE SPECIFICATIONS LISTED ON THE DRAWINGS), THE FOLLOWING SHALL APPLY:

1. THE CONTRACTOR SHALL USE A GOVERNMENT APPROVED NON-OZONE DEPLETING SUBSTANCE.
2. IF A GOVERNMENT APPROVED NON-OZONE DEPLETING SUBSTANCE IS UNKNOWN/UNAVAILABLE, THE CONTRACTOR SHALL CONTACT 4.8.1.4 AT NAWCAD LAKEHURST FOR AN ACCEPTABLE SUBSTITUTE, AN ALTERNATE PROCESS OR A WAIVER OF THE REQUIREMENT.

SEE ATTACHED PAGES FOR QUALITY ASSURANCE REQUIREMENTS.

Ser 4.8.13B148-2/04-12014
30 March 2004

From: Head, Prototype Manufacturing and Quality Assurance Division
Naval Air Systems Command, Lakehurst, NJ (4.8.13)
Hwy #547, Lakehurst, NJ 08733-5125

To: Commanding Officer, Naval Inventory Control Point, Philadelphia
Attn: Code 0731.12, Charles Johnson
700 Robbins Avenue, Philadelphia, PA 19111

Subj: Spacer, P/N D87889-24, REV. 30, NSN 5365-00-672-1505

Encl: (1) QM1006 #04-12014

1. The Quality Assurance requirements for the subject procurement are listed in enclosure (1) and shall be used in conjunction with REI 04-12014. If a conflict exists with regard to identifying the criticality of this item of ALRE/SE, the higher level of criticality shall apply.
2. Any deviations from these quality requirements will need prior approval from Naval Air Systems Command, Lakehurst, Code 4.8.13.2.
3. If you have any questions on this matter or additional information is required, please advise.



MARK GINDELE

SUPPLEMENTAL CONTRACT QUALITY REQUIREMENTS

NAVAIR has established the following Quality Assurance requirements to be used in procurement of the material identified below. Additional amplifying information is available via separate correspondence.

REI/TDR NUMBER: 04-12014

NAME: Spacer NSN: 5365-00-672-1505

PART NO. D87889-24 **REV:** 30

DATE: 30 March 2004

CIC=Y (CRITICAL)

A. SOURCE SELECTION

1. Pre-award survey with NAVAIR QA participation required? Yes (See attached, para 1) No
(Can be waived by NAVAIR based on a given supplier's history)
2. Post Award with NAVAIR QA participation required? Yes (See attached, para 2) No
(Can be waived by NAVAIR based on given supplier's history)
3. Sources approved for this current procurement based on recent, documented Quality performance are:
(Approved sources cited herein do not need a pre-award survey by NAVAIR QA)
 - a. None
 - b.
 - c.

B. INSPECTION AND ACCEPTANCE POINT

1. Preliminary Inspection Point: Source Destination
2. Acceptance Point: Source Destination

C. QUALITY ASSURANCE LETTER OF INSTRUCTION

1. Quality Assurance Letter of Instruction Required? YES (See attached, para 3) NO
- a.
- b.

D. QUALITY PROGRAMS AND STANDARDS

1. Higher Level Quality program per FAR 52.246-11 YES NO
2. Standard Quality program per FAR 52.246-2 YES NO
(Must use if higher level selected)

E. NAVAIR INSPECTION WITNESS OPTION

1. NAVAIR option to witness final inspection required? YES (See attached, para 4.a) NO
2. NAVAIR option to witness interim inspections required? YES (See attached, para 4.b and *Section [N]*) NO

F. CONFIGURATION CONTROL

Configuration control in accordance with MIL-STD-973 is required. The approval authority for all major and minor waivers and deviations shall be NAWCADLKE Code 4.8.10.

G. QUALITY CONFORMANCE AND TOLERANCE INSPECTIONS

1. NAVAIR specified Quality Conformance Inspection plan with sampling rates? Yes (See attached, para 5) No

H. RECEIPT INSPECTIONS

1. Receipt Inspection Certification required? Yes No

2. Point of Certification? NAVAIR Lakehurst Source with contractor assist (See Section [N])

I. FIRST ARTICLE TESTING

1. First Article Testing required? Yes (see attached para 7) NO

2. Place of Testing Performance. Source Government Both

See attached for detailed First Article Testing requirements, associated data deliverables, and estimated costs.

J. PRODUCTION LOT TESTING

1. Production Lot Testing required? Yes (see attached para 8) NO

2. Place of Testing Performance. Source Government Both

See attached for detailed Production Lot Testing requirements and estimated costs.

K. DATA DELIVERABLES

Data deliverables required? Yes see attached DD 1423 forms No

L. ALRE FLIGHT CRITICAL COMPONENT NOTICE

1. ALRE Flight Critical Component notice required? Yes (see attached para 6) No

M. CERTIFICATE OF QUALITY COMPLIANCE

1. Certificate of Quality Compliance Required? Yes No

QUALITY ASSURANCE REQUIREMENTS:

The paragraphs shown below, when referenced on the QM1006 checklist, provide the detailed Quality Assurance requirements to be used for the particular procurement. These paragraphs shall only apply when the corresponding "Yes" block has been checked on the associated checklist.

1. Due to the critical use of this material and/or its quality history, a preaward survey is required. Unless specifically waived by NAWC Quality Assurance, NAWC quality assurance personnel shall participate in this survey. Notify the NAWC Quality Assurance branch, Code 4.8.M.2, Jim Gooch, (732)-323-7504; telefax (732) 323-7234, of all pending preaward surveys associated with this procurement.

2. A contract Post Award conference is required for this procurement. This may be waived by NAWC Quality Assurance based on the results of the preaward survey.

3. The procuring activity shall issue a Quality Assurance Letter of Instruction (QALI) to the appropriate Adminstrating Contract Office instructing the authorized government Quality Assurance Representative as follows:
 - a. Features/attributes/requirements classified as Critical on the drawing(s) or within the technical specification shall be inspected 100%
 - b. Features/attributes/requirements classified as Major on the drawing(s) or within the technical specification shall be inspected using an AQL of 1.0 as defined by ANSI Z1.4
 - c. Minor features/attributes/requirements shall be per the QAR's established procedures.
 - d. The QAR will invoke government source inspection via delegation for all work on Critical and Major features/attributes/requirements performed by sub-contractors which cannot be verified upon receipt by the prime contractor.

4. The solicitation/contract shall contain the NAWCADLKE inspection surveillance clause as follows:
 - a. Because of the critical nature of this material, a representative of the Naval Air Warfare Center Aircraft Division Lakehurst (NAWCADLKE) is available to furnish technical assistance on Quality Assurance (QA) matters and shall have the option of conducting QA surveillance for the first lot produced under this contract (and all subsequent lots if necessary). This requirement will be performed in conjunction with the Quality Assurance Representative (QAR) of the cognizant Defense Contract Management Command and does not abrogate the authority or responsibility of the designated QAR. The contractor agrees to notify, in writing, the supervisor of the NAWC QA section Code, 4.8.13. 2, Lakehurst, NJ 08733-5035 and the PCO when the material is scheduled to be presented to the DCMC QAR for Government inspection and acceptance. This notice shall afford the NAWCADLKE QA representative the option of being present during the inspection. Notification to NAWC may be provided via telephone (732)-323-7504 immediately followed by written conformation, or via facsimile transmission (FAX 732-323-1381). A minimum of fourteen (14) working days is required to arrange the surveillance visit. Notification shall include the following information: Company Name, Cage Code, Phone number, Fax number, Contract number, Point of Contact, Part Nomenclature, Part Number, NIIN, Type of Inspection, and Quantity of parts.

 - b. Due to the critical nature of this item, it is necessary to conduct in-process inspections on critical component features, attributes, or manufacturing processes. The contractor agrees to notify, in writing, the supervisor of the NAWC QA section Code, 4.8.13. 2, Lakehurst, NJ 08733-5035 and the PCO when material is scheduled for the interim inspection(s) that are identified herein. This notice shall afford the NAWCADLKE QA representative the option of being present during the inspection. Notification to NAWC may be provided via telephone (732)-323-7504 immediately followed by written conformation, or via facsimile transmission (FAX 732-323-1381). A minimum of seven (7) working days is required to arrange the surveillance visit. Notification shall include the following information: Company Name, Cage Code, Phone number, Fax number, Contract number, Point of Contact, Part Nomenclature, Part Number, NIIN, Type of Inspection, and Quantity of parts.

5. The contractor shall perform Quality Conformance and Lot Sampling Inspection for all associated features that are present in the drawings and specifications:
 - a. Features/attributes/requirements classified as Critical and Major on the drawing(s) or within the technical specification shall be inspected 100%;
 - b. Unless otherwise specified, attributes for plating, hardness, and non-destructive testing shall be inspected 100%;
 - c. Class 3 Threads, dimensions, and geometric feature controls with a tolerance range of .010 or less shall be inspected using an AQL of 1.5 and the General Inspection Level II as defined by ANSI Z1.4

d. Minor Characteristics: Sampling rate determined by contractor subject to QAR approval.

6. The material covered in this contract/purchase order will be used in a crucial shipboard system supporting the launch and/or recovery of aircraft. The use of incorrect or defective material would create a high probability of failure resulting in a serious personnel injury, loss of life, loss of vital shipboard systems, or loss of aircraft. Therefore, the material has been designated as Critical Safety Item (CSI) material and special control procedures are invoked to ensure receipt of correct material.

7. First Article Test:

The contractor shall conduct First Article testing on this item of ALRE/SE and must address all elements listed below and prepare a First Article Test Report documenting the outcome. Unless otherwise specified, the report and its acceptance shall be per the provisions of the applicable Contract Data Requirements List (CDRL).

a. Requirements:

1. First Article quantity is one (1);
2. The First Article shall be available for Government evaluation per the contract schedule. The Evaluation shall be conducted in the presence of the Government personnel. Accordingly, the contractor shall allow time to arrange for NAWC participation in accordance with the "NAVAIR Inspection Witness Option";
3. The contractor shall provide facilities and personnel sufficient to conduct all necessary tests to establish conformance;
4. The contractor shall have available for review all certifications, test reports, in-process inspection documents needed to substantiate product quality; this same documentation shall also be included in the First Article test report;
5. The contractor shall, at the time of First Article, have corrected any problem areas deemed significant and documented as deficient by the Government within his/her Quality Assurance system not previously identified during prior evaluations and/or surveys; any problems identified during the conduct of the test will also require correction.

b. Testing and evaluation:

1. The contractor shall accomplish 100% inspection and/or testing of all critical, major, and minor dimensions and/or requirements identified in the drawings, drawing notes, and process and fabrication specifications. Results shall consist of actual dimensions, measurements, and test outcomes and shall be recorded and included in the First Article test report;
2. The contractor shall demonstrate and/or perform the following special tests and requirements:
 - a. Dimensional inspection per Drawing D87889
 - b. Part identification per Drawing D87889
 - c. Penetrant inspection per Drawing D87889
 - d. Material certification per Drawing D87889

c. Acceptance/reject criteria:

1. Satisfactorily meeting all requirements cited in paragraph 7a and satisfactorily demonstrating 100% conformance to the test and evaluation elements cited in paragraph 7.b shall constitute acceptance of the First Article;
2. Failure to meet any of the conditions in paragraph 7.a and 7.b shall be cause for rejection.

d. Delivery

1. The accepted First Article exhibit may be delivered and counted along with the contract production quantities providing the item has not been damaged during testing, and has been found to be conforming;
2. The contractor is responsible for preparing the First Article Test Report in accordance with CDRL's.

8. Production Lot Special Tests: N/A

CONTRACT DATA REQUIREMENTS LIST				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 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 Office for the Contract/PR No. listed in Block E.							
A. CONTRACT LINE ITEM NO.		B. EXHIBIT		C. CATEGORY: TDP _____ TM _____ OTHER _____			
D. SYSTEM ITEM			E. CONTRACTOR/PR NO.		F. CONTRACTOR		
1. DATA ITEM NO.	2. TITLE OF DATA ITEM Test / Inspection Reports			3. SUBTITLE Test Report for First Article			
4. AUTHORITY (Data Acquisition Document No.) DI-NDTI-80809			5. CONTRACT REFERENCE		6. REQUIRING OFFICE		
7. DD 250 REQ SS	9. DIST STATEMENT As Required	10. FREQUENCY ONE TIME	12. DATE OF FIRST SUBMISSION See Block 16	14. DISTRIBUTION			
8. APP CODE		11. AS OF DATE N/A	13. DATE OF SUBSEQUENT SUBMISSION N/A	a. ADDRESSEE	b. COPIES		
16. REMARKS (Block 12) – Report shall be submitted 10 days after completion of test, to NAVAIRWARCENACDIVLKE.					Draft	Final	
					Reg	Repr	
				DCMA/QAR		1	0
				DSCC		0	1
				CODE 4.8.13.2		0	1
		0	1				
			15. TOTAL		1	3	
G. PREPARED BY		H. DATE 30 March 2004		I. APPROVED BY Jim Gooch		J. DATE 30 March 2004	