REQUEST FOR ENGINEERING INFORMATION (REI)

1. ORIGINATOR NAME/PHONE NO.	2. ORG/CODE	3. CONTRACT OR SCHEDULE NUMBER	4. REI NUMBER
WILLIAM SMITH DSN 695-3498			01-12724
5. NSN/PART NOMENCLATURE	**6. DWG./PART NO. AFFECTED**	**7. MODEL/END ITEM**	**8. REQUEST DATE**
5342-00-505-~~1542~~ 1545	514945-2R		08/30/01
9. SUPERVISOR	**10. INSPECTOR**	**11. REFERENCE DOCUMENT**	
		DSCR-07-01-24962	PAGE 1 OF 7

DESCRIPTION OF PROBLEM

12. PROCURING ACTIVITY HAS REQUESTED REVIEW OF COMPLETE TECHNICAL DATA PACKAGE FOR PROCUREMENT OF PART NUMBER LISTED ABOVE. IF NECESSARY, PLEASE PROVIDE TO POC BELOW, A COPY OF ALL TECHNICAL DATA, INCLUDING QUALITY ASSURANCE REQUIREMENTS AND DRAWINGS, REQUIRED FOR PROCUREMENT OF ITEM. PLEASE IDENTIFY IF THIS IS A CRITICAL SAFETY ITEM AND ALSO IF FIRST ARTICLE TESTING AND/OR PRODUCTION LOT TESTING ARE REQUIRED. ALSO PROVIDE CORRECT AMC/AMSC.

PROCURING ACTIVITY HAS PROVIDED THE FOLLOWING INFORMATION:

REQUEST TECHNICAL DATA REQUIREMENTS. FOR THIS HINGE, THE ITEM IS FOR A CATAPULT AND ARRESTING GEAR EQUIPMENT. THE CURRENT REVISION LEVEL FOR THE DATA PACKAGE IS REVISION "N". THERE IS ONE REQUISITION FOR A QUANTITY OF TWO, PRI CODE THREE, REQUISITION NUMBER IS: N001811184B107.

POC FOR THIS REQUEST AT NAVICP-P IS BILL MURPHY, CODE 0731.24 AND PHONE 215-697-1195/DSN 442-1195.

NAVAIR COMMENT

13. CRITICALITY OF ITEM: (PICK ONE) CSI: CAI: NONE: X

14.
The attached TDR and QA are acceptable.
The AMC/AMSC code for this part is 1G.

15. CHANGE		16. NAVAIR COMMENT PREPARED BY	PHONE NUMBER	DATE	CODE
DRAWINGS	Y				
MANUALS	N				
MRC's	N	Louis F. Frontino	732-323-2877	10/2/2001	4.8.10.1
ECP REQ'D	N	**17. NAVAIR COMMENT APPROVED BY**	**PHONE NUMBER**	**DATE**	**CODE**
		Robert J. Smith	732-323-7385	10/2/01	4.8.10.1

Revision date: 11/8/00

514945-2R REVISION N

ABOVE TITLE BLOCK, NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION, LAKEHURST, NJ 08733 (SUPERSEDING "NAVAL AIR ENGINEERING CENTER, LAKEHURST, NJ 08733").

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

IN BILL OF MATERIAL, AMS 6415 (SUPERSEDING "MIL-S-5000, COND D(1)").

ABOVE THE BILL OF MATERIAL, REPLACES REV "M" WITH CHANGES (SUPERSEDING "REPLACES REV "L" WITH CHANGES").

IN NOTE 2, ASME Y14.5M (SUPERSEDING "ANSI Y14.5").

DISREGARD NOTE 3, IN LIEU THEREOF THE FOLLOWING SHALL APPLY: THREAD DIMENSIONS AND DESIGNATIONS SHALL BE INTERPRETED IN ACCORDANCE WITH FED-STD-H28 AND ASME Y14.6 RESPECTIVELY. ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH SYSTEM 22 OF FED-STD-H28/20.

DISREGARD NOTE 4, IN LIEU THEREOF THE FOLLOWING SHALL APPLY: HEAT TREAT IN ACCORDANCE WITH AMS2759/1 SO THAT FINISHED PART HAS A HARDNESS OF ROCKWELL C34 TO C38.

DISREGARD NOTE 8, IN LIEU THEREOF THE FOLLOWING SHALL APPLY: EACH FINISHED PART SHALL BE 100% PENETRANT INSPECTED IN ACCORDANCE WITH ASTM E1417, TYPE I, METHOD A, SENSITIVITY LEVEL 2. PARTS MUST MEET THE REQUIREMENTS OF MIL-STD-2035.

IN NOTE 10, NAWC ENGINEERING DEPT, ATTN CODE 4.8.10.1 (SUPERSEDING "NAEC ENGINEERING DEPT (SSIED) ATTN CODE 51222").

DISREGARD NOTE 12.

IN NOTE 13, NAWC (SUPERSEDING "NAEC") AND ADD: "IN ACCORDANCE WITH MIL-STD-130".

NOTE 1:

WHERE NAVAL AIR ENGINEERING CENTER MATERIAL AND PROCESS REQUIREMENT (MPR) 1221, REVISION P IS REFERENCED, THE MPR SHALL PREVAIL OVER ANY OTHER SPECIFICATIONS CITED.

WHERE MPR 1221-10 IS REFERENCED, THE FOLLOWING SHALL APPLY: MIL-P-53022, TYPE II (SUPERSEDING "MIL-P-23377").

NOTE 2:

THE FOLLOWING SHALL APPLY TO ALL TECHNICAL DRAWINGS WHICH DO NOT BEAR A DISTRIBUTION STATEMENT AS REQUIRED BY OPNAVINST 5510.1H.

EXCEPT FOR FIXED, LANDBASED ARRESTING GEAR -

ALL LAUNCH AND RECOVERY EQUIPMENT, INCLUDING COMPONENTS, PARTS, ACCESSORIES ATTACHMENTS AND ASSOCIATED EQUIPMENT (INCLUDING GROUND SUPPORT EQUIPMENT), SPECIFICALLY DESIGNED OR MODIFIED FOR LAUNCH AND RECOVERY EQUIPMENT, FALL UNDER THE INTERNATIONAL TRAFFIC IN ARMS REGULATIONS, 22CFR PART 121.1, CATEGORY VIII, VOL 49, NO. 236 OF THE FEDERAL REGISTER AND IS CONSIDERED EXPORT CONTROLLED TECHNOLOGY.

NOTE 2: (CONT'D)

A. ALL SPECIFICATION CONTROL, SOURCE CONTROL, INTERFACE CONTROL AND ALTERED ITEM DRAWINGS SHALL BE GOVERNED BY DISTRIBUTION STATEMENT "A" OF OPNAVINST 5510.1H AND ARE CLEARED FOR PUBLIC RELEASE.

B. ALL OTHER DRAWINGS AND TECHNICAL DOCUMENTS SHALL BE GOVERNED BY DISTRIBUTION STATEMENT "D" OF OPNAVINST 5510.1H AND ARE CLEARED FOR USE BY DOD AND DOD CONTRACTORS ONLY. UPON COMPLETION OF THE CONTRACT, ALL DOCUMENTS WILL BE DESTROYED BY ANY METHOD THAT WILL PREVENT DISCLOSURE OF CONTENTS OR RECONSTRUCTION OF THE DOCUMENT.

NOTE 3:

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 4.8.13B148-2/01-12724
25 September 2001

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: HINGE LEAF, P/N 514945-2R, REV. N, NSN 5342-00-505-~~1542~~ 1545

Encl: (1) QM1006 #01-12724

1. The Quality Assurance requirements for the subject procurement are listed in enclosure (1) and shall be used in conjunction with REI 01-12724. 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.

Rich Headley

RICH HEADLEY

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: 01-12724 **DATE:**25 September 2001
NAME:HINGE LEAF **NSN:** 5342-00-505-~~1542~~ 1545 **CIC=Y (CRITICAL)**
PART NO. 514945-2R **REV:** N

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. Recommended Sources based on recent, documented Quality performance:
   (Recommended sources do not need a pre-award survey by NAVAIR QA)

   a. Entwistle Cage Code 20722

B: INSPECTION AND ACCEPTANCE POINT:

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

C: QUALITY LETTER OF INSTRUCTION:

1. Quality Assurance Letter of Instruction Required? YES ☐ (See attached, para 3) NO ☒

D: QUALITY ASSURANCE STANDARD:

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, 4) NO ☐
2. NAVAIR option to witness interim inspections required? YES ☐ (see below) NO ☒

a.
b.
c.

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 LOT SAMPLING INSPECTIONS:

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

H: RECEIPT INSPECTION

1. Receipt Inspection Certification required? Yes ☐ No ☒
2. Point of Certification? NAVAIR Lakehurst ☐ Source with contractor assist ☐

I: FIRST ARTICLE TEST

1. First Article Testing required? Yes ☐ (see attached para 6) 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 7) 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 ☐ No ☒

M: CERTIFICATE OF QUALITY COMPLIANCE

1. Certificate of Quality Compliance Required? Yes ☒ No ☐

N: OTHER PART SPECIFIC AND UNIQUE REQUIREMENTS

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 it's quality history, a preaward survey is required. Unless specifically waived by NAWC Quality Assurance, NAWC quality assurance personnel shall participate is 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 Administrating 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:

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 NAVICP Mechanicsburg Contracting Officer when 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.

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.