

REQUEST FOR ENGINEERING INFORMATION (REI)

1. ORIGINATOR NAME/PHONE NO. CONSTANCE WRIGHT DSN 695-4349	2. ORG/CODE DSCR-JGTA	3. CONTRACT OR SCHEDULE NUMBER	4. REI NUMBER 02-16018
5. NSN/PART NOMENCLATURE 6660-01-424-1547 HOUSING, GAGE	6. DWG./PART NO. AFFECTED 624035-1 (CAGE 80020)	7. TYPE OF EQUIPMENT WMIS	8. REQUEST DATE 04/24/02
9. SUPERVISOR	10. INSPECTOR	11. REFERENCE DOCUMENT CASE # DSCR-07-02-06717	PAGE 1 OF 7

DESCRIPTION OF PROBLEM

12. TDR REQUEST.

IF NO TDR IS REQUIRED, PLEASE SUPPLY THE LATEST REVISION DRAWING WITH MINIMUM QUALITY REQUIREMENTS. BE IT 100% DIMENSIONAL I/A/W DRAWING.

PLEASE SUPPLY THE LATEST TDR FOR THE SUBJECT NSN, INCLUDING THE LATEST DRAWINGS, QM1006 QUALITY REQUIREMENTS CHECKLIST AND ANY ADDITIONAL QUALITY/TECHNICAL PROVISIONS. IN ADDITION, PLEASE IDENTIFY THE AMC/AMSC, IF THIS IS A CRITICAL ITEM AND IF A FAT AND/OR A PAS ARE REQUIRED.

DLA STATES THEY HAVE NO PREVIOUS TDR.

POC FOR THIS REQUEST IS WILLIAM SCHWARZ, 717-605-4809 AT NAVICP-M.

NAVAIR COMMENT

14. TDR PROVIDED BEGINNING ON PAGE 2.
This is not a critical item.

15. CHANGE DRAWINGS MANUALS MRC's ECP REQ'D	16. NAVAIR COMMENT PREPARED BY J. Jacques	PHONE NUMBER X4271	DATE 5/28/02	CODE 4.8.10.3
	17. NAVAIR COMMENT APPROVED BY D. BISCHOFF	PHONE NUMBER 732-323-1827	DATE 5/28/2002	CODE 4.8.10.3

Revision date: 11/01

(ENCL.1)

REI NAWC COMMENTS (CONT'D)

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- 624035-1 REVISION B IN THE BILL OF MATERIAL, FOR PLUG, PIPE, MS20913-8S; MANUFACTURER SHALL BE; CAGE 00624, EATON AEROQUIP INC. ENGINEERED, SYSTEMS DIV., 300 S EAST AVE., JACKSON, MI., 49203-1972.
- IN DOCUMENT BLOCK, ADD MPR 1221.
- IN NOTE 3, AA56032IBLK IN ACCORDANCE WITH A-A-56032 (SUPERSEDING "TT-I-1795 TYPE I OR MIL-I-43553 OVERCOAT WITH VARNISH PER MIL-V-173") AND MIL-STD-13231 (SUPERSEDING "MIL-M-13231").
- 426869-1 REVISION NONE IN THE BILL OF MATERIAL, ASTM A582/A582M (SUPERSEDING "ASTM-A-582").
- IN NOTE 1, ASTM A967, NITRIC 1 (SUPERSEDING "QQ-P-35 TYPE II").
- 624036-1 REVISION A IN THE BILL OF MATERIAL, ASTM B26/B26M, ALLOY 535.0 (SUPERSEDING "QQ-A-601, ALLOY 535.0").
- IN NOTE 4, NAWC (SUPERSEDING "NAEC").
- DISREGARD NOTE 5, 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 21 OF FED-STD-H28/20.
- IN NOTE 6, ASME Y14.5M (SUPERSEDING "ANSI Y14.5M").
- NOTE 1: WHERE NAVAL AIR ENGINEERING CENTER MATERIAL AND PROCESS REQUIREMENT (MPR) 1221, REVISION R IS REFERENCED, THE MPR SHALL PREVAIL OVER ANY OTHER SPECIFICATIONS CITED.
- WHERE MPR 1221 IS REFERENCED, THE FOLLOWING CHANGE SHALL APPLY: PARA 2, MIL-PRF-23236 (SUPERSEDING "MIL-P-23236").
- NOTE 2: WHERE REFERENCED ON DRAWINGS, THE FOLLOWING NOTE SHALL APPLY:
- ABOVE TITLE BLOCK, NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION, LAKEHURST, NJ 08733 (SUPERSEDING "NAVAL AIR ENGINEERING CENTER, LAKEHURST, NJ 08733").
- ASME Y14.100 (SUPERSEDING "DOD-STD-100").
- NOTE 3: UNLESS OTHERWISE SPECIFIED, IDENTIFY IN ACCORDANCE WITH MIL-STD-130, INCLUDING THE DESIGN ACTIVITY CODE IDENT. NUMBER, NAWC PART NUMBER AND CONTRACT NUMBER.
- NOTE 4: 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.

REI NAWC COMMENTS (CONT'D)

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NOTE 4:

2. IF A GOVERNMENT APPROVED NON-OZONE DEPLETING SUBSTANCE IS

(CONT'D)

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 4.8.13B148-2/02-16018
10 May 2002

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

To: Commander, Naval Inventory Control Point, Mechanicsburg
Attn: Code 05621, William Schwarz
5450 Carlisle Pike, Building 312, Mechanicsburg, PA 17055-0788

Subj: HOUSING ASSEMBLY, P/N 624035-1, REV. B, NSN 6660-01-424-1547

Encl: (1) QM1006 #02-16018

1. The Quality Assurance requirements for the subject procurement are listed in enclosure (1) and shall be used in conjunction with REI 02-16018. 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

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.

QUALITY CONFORMANCE AND SUBSAMPLING INSPECTIONS

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

RECEIPT INSPECTION

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

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.

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.

DATA DELIVERABLES

Data deliverables required? Yes see attached DD 1423 forms No

ALRE FLIGHT CRITICAL COMPONENT

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

CERTIFICATE OF QUALITY COMPLIANCE

1. Certificate of Quality Compliance Required? Yes No

FINISH IAW MPR 1221

Finish IAW MPR 1221.

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:

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.
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.