

# REQUEST FOR ENGINEERING INFORMATION (REI)

1. ORIGINATOR NAME/PHONE NO. ROBERT FREEMAN 804-279-4743	2. ORG/CODE 0731.12	3. CONTRACT OR SCHEDULE NUMBER	4. REI NUMBER 02-12090
5. NSN/PART NOMENCLATURE	6. DWG./PART NO. AFFECTED D89789-"All Dash Numbers"	7. TYPE OF EQUIPMENT	8. REQUEST DATE 01/30/02
9. SUPERVISOR	10. INSPECTOR	11. REFERENCE DOCUMENT DSCR-07-02-02037A	PAGE 1 OF 6

DESCRIPTION OF PROBLEM

**12. HIGH PRIORITY REQUEST, 14 DAY TURNAROUND REQUESTED**

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 IS REQUIRED.

POC FOR THIS REQUEST IS CHARLES JOHNSON, 215-697-2196 AT NAVICP-P.

NAVAIR COMMENT

14.  
The attached TDR and QA are acceptable for all D89789 gages. For all future procurements you must call in and verify that there are no changes to the drawing or TDR that would affect your procurement.

15. CHANGE DRAWINGS	Y	16. NAVAIR COMMENT PREPARED BY	PHONE NUMBER	DATE	CODE
MANUALS	N	Louis F. Frontino	732-323-2842	02/05/2002	4.8.10.1
MRC's	N	17. NAVAIR COMMENT APPROVED BY	PHONE NUMBER	DATE	CODE
ECP REQ'D	N	Thomas M. Gerace	732-323-2824	2/7/02	4.8.10.1

D89789-1  
THRU -8

REVISION P

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

IN THE "MECHANICAL FINISH" BLOCK, ASME B46.1 (SUPERSEDING "ANSI/ASME B46.1").

IN NOTE 1, EXCEPT PARA'S TITLED DRAWINGS, SHOCK AND VIBRATION (SUPERSEDING "EXCEPT PARA'S 2.39, 4.4.9 AND 3.5").

IN NOTE 1H, A-A-59290 (SUPERSEDING "MIL-H-5559") AND MIL-PRF-7808 (SUPERSEDING "MIL-L-7808").

IN NOTE 5, DISREGARD "PARA 3.4.10 OF".

NOTE 1:

ANY ITEM PREVIOUSLY TESTED BY A VENDOR IN ACCORDANCE WITH MIL-S-901, MIL-STD-167-1 AND/OR OTHER FIRST ARTICLE REQUIREMENTS STATED ON DRAWING, SHALL NOT REQUIRE FURTHER TESTING BY THE SAME VENDOR EXCEPT FOR A LATER CHANGE IN DESIGN, MANUFACTURING PROCEDURES OR TESTING REQUIREMENTS. A CERTIFICATE OF CONFORMANCE WITH PREVIOUS TEST RESULTS ATTESTING APPLICABILITY SHALL BE SUBMITTED FOR ITEMS PREVIOUSLY TESTED.

NOTE 2:

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 4.8.13B148-2/02-12090  
31 January 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: Commanding Officer, Naval Inventory Control Point, Philadelphia  
Attn: Code 0731.12, Charles Johnson  
700 Robbins Avenue, Philadelphia, PA 19111

Subj: GAGE, PRESSURE, P/N D89789-ALL DASH #'s, REV. P, NSN N/A

Encl: (1) QM1006 #02-12090

1. The Quality Assurance requirements for the subject procurement are listed in enclosure (1) and shall be used in conjunction with REI 02-12090. 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

**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: 02-12090 DATE: 31 January 2002  
 NAME: GAGE, PRESSURE NSN: N/A CIC=Y (CRITICAL)  
 PART NO. D89789-ALL DASH #'s REV: P

**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. None

**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.

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.

#### 4. NAVAIR SPECIFIED QUALITY CONFORMANCE INSPECTION PLAN WITH SAMPLING RATES

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

1. Receipt Inspection Certification required? Yes  No

2. Point of Certification? NAVAIR Lakehurst  Source with contractor assist

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.

#### 5. 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.

#### 6. DATA DELIVERABLES

Data deliverables required? Yes  see attached DD 1423 forms No

#### 7. ALRE FLIGHT CRITICAL COMPONENT NOTICE

1. ALRE Flight Critical Component notice required? Yes  No

#### 8. CERTIFICATE OF QUALITY COMPLIANCE

1. Certificate of Quality Compliance Required? Yes  No

#### 9. 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 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.