

# REQUEST FOR ENGINEERING INFORMATION (REI)

1. ORIGINATOR NAME/PHONE NO. WILLIAM SMITH 804-279-4276	2. ORG/CODE 0731.12	3. CONTRACT OR SCHEDULE NUMBER	4. REI NUMBER 01-12295
5. NSN/PART NOMENCLATURE 6605-01-154-2888	6. DWG./PART NO. AFFECTED 517482-1	7. MODEL/END ITEM REMOTE PANEL ASSY WAVE-OFF/CUT SYSTEM	8. REQUEST DATE 04/11/01
9. SUPERVISOR	10. INSPECTOR	11. REFERENCE DOCUMENT DSCR CASE # 07-01-04296	PAGE 1 OF 11

DESCRIPTION OF PROBLEM

12. NO PREVIOUS TDR

PLEASE IDENTIFY SOURCES OF SUPPLY IF AVAILABLE AND INCLUDE A 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 IS A CRITICAL ITEM AND IF A FAT AND/OR A PAS ARE REQUIRED. THE CORRECT AMC/AMSC IS REQUIRED TO CONTROL THE PROCUREMENT OF THIS ITEM.

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

NAVAIR COMMENT

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

14. TDR PROVIDED BEGINNING ON PAGE 2.

AMC/AMSC CODE IS 3 H AND SHOULD BE 1 G.

15. CHANGE DRAWINGS MANUALS MRC's ECP REQ'D	16. NAVAIR COMMENT PREPARED BY WILLIAM LEUNG	PHONE NUMBER 732-323-7239	DATE 05/22/01	CODE 4.8.10.3
	17. NAVAIR COMMENT APPROVED BY P. MILLS	PHONE NUMBER 732-323-2991	DATE 5/23/01	CODE 4.8.10.3

# REI NAWC COMMENTS (CONT'D)

REI-01-12295

517482-1	REVISION B	<p>IN THE DOCUMENT BLOCK, EIA J-STD-001, CLASS 3 (SUPERSEDING "ANSI/J-STD-001").</p> <p>IN THE BILL OF MATERIAL, FOR SEALING SCREW MS3212-25, ADD NASM3212 TO THE SPECIFICATION BLOCK; FOR FLAT WASHER MS15795-801, ADD NASM15795 TO THE SPECIFICATION BLOCK; FOR TERMINAL LUG MS17182-1, PART NO. GT805EJ1, MANUFACTURER; NORTHROP GRUMMAN CORP, 609 S OYSTER BAY RD., BETHPAGE, NY, 11714; CAGE CODE 26512; (SUPERSEDING "MS17182-1"); FOR LOCK WASHER, MS35333-154 (SUPERSEDING "AA55609-154"); FOR LOCK WASHER MS35333-155 (SUPERSEDING "AA55609-155"); FOR TERMINAL BOARD, 26TB12F, A-A-59125/24 (SUPERSEDING "MIL-T-55164/24"); FOR BOTH SLEEVINGS, AMS-DTL-23053/5 (SUPERSEDING "MIL-I-23053/5"); AND FOR SOLID WIRE (AWG #20), AA59551-S20S1T, IN ACCORDANCE WITH A-A-59551 (SUPERSEDING "QQW343S20S1T" IN ACCORDANCE WITH "QQ-W-343").</p> <p>IN THE FIELD OF DRAWING, MS35333-154 (SUPERSEDING "AA55609-154") AND MS35333-155 (SUPERSEDING "AA55609-155").</p> <p>IN NOTE 4, A-A-52080 (SUPERSEDING "MIL-T-43435").</p> <p>IN NOTE 9, EIA J-STD-001, CLASS 3 (SUPERSEDING "ANSI/J-STD-001, CL 3").</p>
411524-T18-2	REVISION C	<p>IN THE BILL OF MATERIAL, ASTM D709, GRADE ES-1, ES-2 OR ES-3 (SUPERSEDING "L-P-387, TYPE NDP").</p> <p>IN TABLES I AND II, A-A-59125 (SUPERSEDING "MIL-T-55164").</p>
415191-7W	REVISION AE	<p>DISREGARD NOTE 1A, IN LIEU THEREOF THE FOLLOWING SHALL APPLY: SPAGHETTI SLEEVING SHALL CONFORM TO ASTM D922, GRADE A.</p> <p>DISREGARD NOTE 1B, IN LIEU THEREOF THE FOLLOWING SHALL APPLY: SPAGHETTI SLEEVING SHALL BE SUITABLE FOR CONDUCTOR IDENTIFICATION BY MARKING WITH PERMANENT INK, COLOR BLACK AND ALSO BY HOT STAMPING.</p>
422435-1	REVISION A	<p>IN NOTE 3, SAE AMS-C-6183 (SUPERSEDING "MIL-C-6183"); AND DISREGARD "EXCEPT PARA. 3.1 SHALL NOT APPLY".</p>
422451-1	REVISION C	<p>IN NOTE 3, IPC-4101/21, TYPE L210937C2/00AB (SUPERSEDING "MIL-P-13949/5, TYPE FLGHN093C2/0B1A").</p> <p>IN NOTE 7, EIA J-STD-001, CLASS 3 (SUPERSEDING "MIL-STD-454, REQ T 5").</p> <p>IN NOTE 8, MIL-STD-13231 (SUPERSEDING "MIL-M-13231").</p>
422452	REVISION B	<p>FOR REFERENCE ONLY: "PC BOARD (MARKING MASTER)".</p>
422453	REVISION C	<p>FOR REFERENCE ONLY: "PC BOARD (TAPE MASTER)".</p>
422468-1	REVISION A	<p>IN THE BILL OF MATERIAL, AMS-QQ-A-200/8, 6061, T6 OR ASTM B221, 6061, T6 (SUPERSEDING "QQ-A-200/8, 6061, T6").</p>
422690-1, -2, -3	REVISION NONE	<p>IN THE BILL OF MATERIAL, FOR -1, -2 AND -3, GG-P-455, TYPE I, CLASS 1, GRADE A (SUPERSEDING "QQ-A-250/1, 1100, H14").</p> <p>DISREGARD NOTE 3.</p> <p>IN NOTE 4, MIL-DTL-15024 (SUPERSEDING "MIL-P-15024").</p>

# REI NAWC COMMENTS (CONT'D)

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- 422691-1 REVISION NONE IN THE BILL OF MATERIAL, AMS-QQ-A-250/11, 6061, T651 OR ASTM B209, 6061, T651 (SUPERSEDING "QQ-A-250/11, 6061, T651").
- DISREGARD NOTE 2, 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.
- 422693-1 REVISION B IN THE BILL OF MATERIAL, AMS-QQ-A-250/8, 5052, H32 OR ASTM B209, 5052, H32 (SUPERSEDING "QQ-A-250/8, 5052, H32").
- IN NOTE 3, MIL-A-8625, TYPE IC, CLASS 1 (SUPERSEDING "MIL-A-8625, TYPE I, CLASS 1").
- 422927-1 REVISION NONE IN THE BILL OF MATERIAL, AMS-QQ-A-250/11, 6061, T6 OR ASTM B209, 6061, T6 (SUPERSEDING "QQ-A-250/11, 6061, T6").
- IN NOTE 4, AA56032IBLK IN ACCORDANCE WITH A-A-56032 (SUPERSEDING "TT-I-1795, TYPE I & COVER WITH TWO COATS OF CLEAR VARNISH PER MIL-V-173, COMP I").
- 422928-1 REVISION A IN NOTE 4, MIL-DTL-15024 (SUPERSEDING "MIL-P-15024").
- 423525 REVISION A FOR REFERENCE ONLY:  
"SCHEMATIC DIAGRAM"
- 516864-1 REVISION K IN THE BILL OF MATERIAL, FOR RESISTOR 15K, HONEYWELL PART NO. 1400216-601 (SUPERSEDING "RCR20G153JP" IN ACCORDANCE WITH "MIL-R-39008/2"); FOR TRANSISTOR, MIL-PRF-19500/407 (SUPERSEDING "MIL-S-19500/407"); FOR TRANSISTOR, MIL-PRF-19500/182 (SUPERSEDING "MIL-S-19500/182"); FOR FLAT WASHERS MS15795-805 AND MS15795-803, ADD NASM15795 TO THE SPECIFICATION BLOCK; ACROSS FROM BOTH SCREWS, FILLISTER HD'S, ADD NASM35275 TO THE SPECIFICATION BLOCK; AND ACROSS FROM NUT, LOCKING MS17830-043, ADD NASM17830 TO THE SPECIFICATION BLOCK.
- IN NOTE 2, EIA J-STD-001, CLASS 3 (SUPERSEDING "MIL-STD-2000").
- IN NOTE 3, MARATHON (SUPERSEDING "KULKA") AND MARATHON ELECTRIC MANUF. CORP., MARATHON SPECIAL PRODUCTS DIVISION, P.O. BOX 468, 1330 VAN CAMP ROAD BOWLING GREEN, OHIO 43402 (SUPERSEDES "KULKA ELECTRIC CORP. 633643 SO. FULTON AVE., MOUNT VERNON, NEW YORK 10550").
- IN NOTE 6, MIL-PRF-47009 (SUPERSEDING "MIL-C-47009").
- ADD TO NOTE 8, WHEN PART IS SUPPLIED AS PART OF AN ASSEMBLY, IDENTIFICATION IS NOT REQUIRED.
- IN NOTE 10(a), INDUSTRY STANDARD 387 (SUPERSEDING "MS25237-387").
- 516992-1, -2 REVISION H IN TABLE I, FOR LAMP PART NO. INDUSTRY STANDARD 387 (SUPERSEDING "MS25237-387").
- IN NOTES 4 & 7, MIL-PRF-22885/10 (SUPERSEDING "MIL-S-22885/10").
- IN NOTE 5, MIL-PRF-22885/11 (SUPERSEDING "MIL-S-22885/11").
- IN NOTE 6, MIL-PRF-22885/13 (SUPERSEDING "MIL-S-22885/13").

# REI NAWC COMMENTS (CONT'D)

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517098-2	REVISION G	IN THE BILL OF MATERIAL, FOR -5 AND -6, AMS-QQ-A-250/11, 6061, T6 OR ASTM B209, 6061, T6 (SUPERSEDING "QQ-A-250/11, 6061, T6"); FOR FLOATING INSERT, NASM45938/11 (SUPERSEDING "MIL-N-45938/11"); AND FOR RIVET, ADD NASM20470 TO THE SPECIFICATION BLOCK.  IN THE FIELD OF DRAWING, NASM45938/11 (SUPERSEDING "MIL-N-45938/11").  IN NOTE 6(a), MIL-A-8625, TYPE IC, CLASS 1 (SUPERSEDING "MIL-A-8625, TYPE I, CLASS 1").  IN NOTE 8, MIL-PRF-8116 (SUPERSEDING "MIL-P-8116").
517483	REVISION B	FOR REFERENCE ONLY: "WIRING DIAGRAM"
517484-1	REVISION B	IN BILL OF MATERIAL, FOR FUSE IN SPECIFICATION BLOCK, MIL-PRF-15160/2 (SUPERSEDING "MIL-F-15160/2"); FOR FUSE HOLDER IN SPECIFICATION BLOCK, MIL-PRF-19207/9 (SUPERSEDING "MIL-F-19207/9"); AND FOR RESISTOR, IN SPECIFICATION BLOCK, MIL-PRF-94/5 (SUPERSEDING "MIL-R-94/5").  IN NOTE 2, A-A-3097 (SUPERSEDING "MIL-A-46050").
518419-6, -7	REVISION E	-----
619339	REVISION H	FOR REFERENCE ONLY: "SCHEMATIC DIAGRAM"
619340	REVISION D	FOR REFERENCE ONLY: "INTERCONNECTING CABLING DIAG"

MILITARY STANDARDS:

MS25036	REVISION P	-----
MS35333	REVISION K	-----
MS35649	REVISION H	-----
MS51957	REVISION D	-----
MS91528	REVISION J	-----

NATIONAL AEROSPACE STANDARDS:

NASM3212	REVISION NONE	-----
NASM15795	REVISION NONE	-----
NASM17830	REVISION NONE	-----
NASM35275	REVISION NONE	-----
NASM20470	REVISION NONE	-----
NASM45938/11	REVISION NONE	-----

- 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.
- FOR MPR 1221-31 AND -51, THE FOLLOWING SHALL APPLY: MIL-DTL-24441/20 (SUPERSEDING "MIL-P-24441/1" AND MIL-DTL-24441/21 (SUPERSEDING "MIL-P-24441/2").
- NOTE 2: WHERE REFERENCED ON DRAWINGS, THE FOLLOWING NOTES SHALL APPLY:
- ABOVE TITLE BLOCK, NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION, LAKEHURST, NJ 08733 (SUPERSEDING "NAVAL AIR ENGINEERING CENTER, LAKEHURST, NJ 08733" AND "NAVAL AIR ENGINEERING CENTER, PHILA., PA 19112").
- NAWC (SUPERSEDING "NAEC").
- ASME B46.1 (SUPERSEDING "ANSI B46.1" AND "ANSI/ASME B46.1").
- 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: 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.
- 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 5:

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 4.8.13B148-2/01-12295  
May 16, 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: Remote Panel Assy, P/N 517482-1, NSN 6605-01-154-2888

Encl: (1) QM1006 #01-12295

1. The Quality Assurance requirements for the subject procurement are listed in enclosure (1) and shall be used in conjunction with REI 01-12295.
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

**NAVAL AIR WARFARE CENTER AIRCRAFT DIVISION LAKEHURST  
QUALITY ASSURANCE BRANCH  
PROTOTYPING AND MANUFACTURING DEPARTMENT**

## SUPPLEMENTAL CONTRACT QUALITY REQUIREMENTS

*The following requirements are provided herein to assist the Procurement Contracting Officer in the preparation of solicitation and contract documents; and to supplement the Technical Data Requirements (TDR) package referenced below for inclusion of said requirements into all associated solicitation documents and subsequent contract awards for purposes of assuring the adequacy of contractor quality assurance functions and processes; and to identify critical Engineering Support Activity (ESA) support actions occurring through-out the source selection and procurement cycle.*

### **I TDR NUMBER: 01-12295**

### **II ITEM DESCRIPTION**

Description: Remote Panel Assy

NSN 6605-01-154-2888

P/N 517482-1 Critical (CIC=Y)

### **III CONTENTS**

#### **A. Direction to the Contracting Officer**

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2. Inspection and Acceptance
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4. Configuration Control
5. Quality Conformance and Sampling Inspection
6. Certificate of Quality Compliance

### **IV NAWC POINT OF CONTACT:**

Robert Pizzella is the cognizant Quality Assurance Specialist representing the Naval Air Warfare Center Aircraft Division Lakehurst (NAWCADLKE) for all relevant QA matters related to this procurement action. He may be reached by telephone on 732-323-5101; by telefax on 732-323-1381; or via the email at pizzellarh@NAVAIR.NAVY.MIL.

PREPARED BY :

APPROVED BY:

Robert Pizzella

Mark Barclay

**A: DIRECTION TO THE CONTRACTING OFFICER/PCO**

The following direction is provided to the contracting officer to identify capable sources for this procurement action, to determine points of inspection and acceptance, and identify the QALI originating activity.

**1. Source Selection:**

a. Formal NAWC Quality Assurance engineering source approval is not required for this item. The contractors listed below are known to be recent, past, successful suppliers of the item or similar items of ALRE/SE being procured and may be awarded contracts without further consideration. Conducting preaward surveys and/or post award conferences is at the option of the PCO. Accordingly, NAWC Quality Assurance Personnel are available to assist in the process of establishing appropriate sources and provide advice on quality performance of potential sources offering bids for this item of ALRE/SE. Regarding instances when there are sources identified on the drawing, unless cited below, there is no current performance history for these vendors and NAWC offers no endorsement of these vendors.

a. N/A

**2. Inspection and Acceptance:**

- a. Inspection for this item of ALRE/SE shall be at source
- b. Acceptance for this item of ALRE shall be at source by the cognizant DCMA QAR

**3. Documentation:**

a. To facilitate Engineering Support Activity Quality Assurance functions, NAWCADLKE Quality Assurance branch requires an information copy of the solicitation and the contract documents associated with this procurement action.

**B: CONTRACT QUALITY REQUIREMENTS**

The following requirements may be included verbatim in the solicitation and contract documents associated with this procurement action or may be invoked using similar language that ensures these same provisions form a requirement of any subsequent procurement action.

**1. Quality Assurance Standards:**

The Quality Assurance standard for this procurement is FAR 52-246-11; Higher Level Inspection System. The contractor shall have and maintain a quality assurance program meeting the requirements of ANSI/ASQC Q9002, MIL-I-45208A, or a recognized industry standard or process control system that is equivalent or better. (FAR 52-246-2 is also applicable).

**2. Note to Contractor, NAWCADLKE Visitation Clause:**

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 QA section Code, 4.8.13. 2, Lakehurst, NJ 08733-5035 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 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 such a visit.

### 3. Government Unique Requirements:

The following requirements are unique to US Government contract circumstances and supplement the ISO 9000 (or ANSI/ASQC 9000) series of Quality standards.

#### a. Government Furnished Material/Equipment;

The contractor's quality system shall establish procedures to ensure the adequate storage, maintenance, and inspection of Government property furnished under the terms of the government furnished property clause.

#### b. Government Source Inspection:

The Government reserves the right to inspect at source, those supplies and services not manufactured or performed with the contractor's facility. Such inspection can only be requested by or under the authorization of the Government Representative. When Government inspection is required, the contractor shall add to his purchasing document the following statements:

“Government inspection is required prior to shipment from your plant. Upon receipt of this order, promptly notify the Government Representative who normally services your plant so that appropriate planning for Government inspection can be accomplished.”

The contractor must also have procedures that ensure that the Government Representative is afforded the opportunity to review all purchasing documents and that when Government Source inspection is requested, a copy of the applicable purchasing document/order is furnished to the Government Representative.

### 4. Configuration Control:

Configuration control in accordance with MIL-STD-973 is required. The technical data for the baseline configuration to be used for this procurement is:

NAWCADLKE drawing(s) and errata sheets (TDRs). ECP's, waivers, and deviations submissions are permissible. The approval authority for all class I and class II waivers and deviations shall be NAWCADLKE Code 4.8.10.

### 5. Quality Conformance and Lot Sampling Inspection:

All inspection actions will be documented with the actual measurements and or findings recorded per the contractor's established procedures. If quantities are such, that sampling inspection would be advantageous to the supplier and not disadvantageous to the Government, then the sampling procedures set forth in ANSI/ASQC Z1.4 and as described herein may be used. The interpretation and implementation of any sampling plan must be acceptable to the Government, who reserves the right to reject any proposed sampling scheme deemed to be inappropriate. If the sampling plan is considered unacceptable, 100% inspection shall apply.

#### a. Definitions:

1. **100% inspection** is defined as inspection *all* features, attributes, and/or requirements on all parts produced and documenting the same.
2. **100% inspection of critical features** is defined as inspection of those features, attributes, and/or requirements classified as Critical on the drawing or within the technical specification for every part of every lot.
3. A **lot Sample** is defined as a subset of a production lot randomly selected in accordance with an established sampling plan.
4. **Sampling inspection per an established Acceptable Quality Level (AQL)** is defined as inspection of *all* features, attributes and/or requirements on *all* parts of lot sample corresponding to the AQL. This may be further defined by specifying an AQL for attributes classified as Major and Minor.
5. **Sampling inspection of a Major characteristic** is defined as inspection of *all* of the those features, attributes, and/or requirements identified as Major on all parts within a given lot sample, in which the lot sample size is determined by the Acceptable Quality Level (AQL) specified for Major characteristics.

6. **Sampling inspection of a Minor characteristic** is defined as inspection of *all* of those features, attributes, and/or requirements not identified as Critical, Major, or Important Minors on all parts within a given lot sample, in which the lot sample size is determined by the Acceptable Quality Level (AQL) specified for Minor characteristics.

7. **Important Minor Characteristics** are defined as those items not identified as critical or major but are identified by their feature description(s) in the sampling plan below.

8. **Sampling inspection of Important Minor characteristic** is defined as inspection of *all* of those features, attributes, and/or requirements identified as Important Minors on all parts within a given lot sample, in which the lot sample size is determined by the Acceptable Quality Level (AQL) specified for Important Minor characteristics.

#### b. Sampling Plan

Using the definitions and constraints described herein, the contractor may use a sampling inspection in accordance with ANSI/ASQC Z1.4. Switching procedures must be a part of the contractor's sampling plan as described in ANSI Z1.4, paragraph 8. Sampling inspection will be as described in ANSI/ASQC Z1.4 for Single Sampling using a general inspection level of II. The sampling plan used by the contractor will adhere to the following Acceptable Quality Levels (AQL):

Critical Characteristics: 100% inspection

Major Characteristics: 100% inspection

Important Minors (not already identified as critical or major):

- a. Dimensional features with a tolerance range of +/- .005 or less: AQL is 1.0
- b. Geometric feature controls with a tolerance range of .003 or less: AQL is 1.0
- c. True position feature controls with MMC permissible and a tolerance range of .003 or less: AQL is 1.0
- d. Class 3 threads: AQL is 100%
- e. Surface finish of 16 or less: AQL is 100%
- f. Attributes for plating, hardness, 100% inspection:
- g. Validation of MPR requirements when applicable: AQL is 100%
- h. Non destructive testing: AQL is 100%

Minor Characteristics: AQL is 2.5

#### 6. Certificate of Quality Compliance:

The contractor will prepare a Certificate of Quality Compliance (COQC) per the terms specified in the contract and shall forward an information copy of the COQC to the Naval Air Warfare Center Aircraft Division Lakehurst (NAWCADLKE), QA Branch, Code 4.8.13. 2, Lakehurst, NJ 08733-5035. FAR 52-246-9000 applies.