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DLA MASTER LIST  
OF  
TECHNICAL AND QUALITY  
REQUIREMENTS

Version 4

March 2017

HQ Defense Logistics Agency  
Technical and Quality Assurance Division

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101 **RA001 TECHNICAL AND QUALITY REQUIREMENT DOCUMENTATION**

102  
103 This document incorporates technical and/or quality requirements (identified by an “R” or an “I”  
104 number) set forth in full text in the DLA Master List of Technical and Quality Requirements found on  
105 the web at: <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx>. For simplified acquisitions,  
106 the revision of the master in effect on the solicitation issue date or the award data controls. For large  
107 acquisitions, the revision of the master in effect on the RFP issue data applies unless a solicitation  
108 amendment incorporates a follow-on revision, in which case the amendment date controls.

109  
110 (End of TQ Requirement)

111

112 **RP001: DLA PACKAGING REQUIREMENTS FOR PROCUREMENT**

113

114 (1) Additional Packaging and Marking Requirements:

115

116 (a) Prohibited cushioning and wrapping materials: Use of asbestos, excelsior, newspaper, shredded  
117 paper (all types, including wax paper and computer paper), and similar hygroscopic or non-neutral  
118 materials and all types of loose-fill materials, including polystyrene, is prohibited for application  
119 such as cushioning, fill, stuffing, and dunnage. In addition, the use of yellow wrapping or packaging  
120 material is prohibited except where used for the containment of radioactive material.

121

122 (b) MIL-STD-129 establishes requirements for contractors that ship packaged materiel to the  
123 Government to provide both linear bar codes and two-dimensional (2D) symbols on shipping labels.  
124 Shipping labels with 2D symbols are referred to as Military Shipping Labels (MSL) and are required  
125 on all CONUS and OCONUS shipments with the following exceptions:

126

127 (1) Subsistence items procured through full-line food distributors (prime contractors), “market  
128 ready” type items shipped within the Continental United States (CONUS) to customers within  
129 CONUS;

130

131 (2) Any item for which ownership remains with the contractor until the item is placed in  
132 designated locations at the customer location prior to issuance to the customer. Government  
133 control begins upon placement of the item by the contractor into the designated location or  
134 issuance from the designated location by contractor personnel (i.e., the contractor is required to  
135 stock bins at the customer location and/or issue parts from a contractor controlled parts room).

136

137 (3) Bulk petroleum, oil and lubricant products delivered by pipeline; or tank car, tanker and tank  
138 trailer for which the container has a capacity greater than 450 L (119 gallons) as a receptacle for  
139 a liquid; a maximum net mass greater than 400 kg (882 pounds) and a capacity greater than 450  
140 L (119 gallons) as a receptacle for a solid; or a water capacity greater than 454 kg (1000  
141 pounds) as a receptacle for a gas.

142

143 (4) Medical items procured through Customer Direct suppliers or prime contractors that do not  
144 enter the Defense Transportation System.

145

146 (5) Delivery orders when the basic contract has not been modified to require MIL-STD-129.

147

148 (c) MIL-STD-129 provides numerous illustrations of what should be bar-coded and the  
149 recommended placement of the bar code. Further information is available on the DLA Packaging  
150 Web Site at:

151 <http://www.dla.mil/LandandMaritime/Offers/Services/TechnicalSupport/Logistics/Packaging.aspx> .

152

153 (2) Requirements for Treatment of Wood Packaging Material (WPM)

154

155 (a) Assets packed in or on wood pallets, skids, load boards, pallet collars, wood boxes, reels,  
156 dunnage, crates, frames, and cleats must comply with the Heat Treatment (HT) or Heat  
Treatment/Kiln Dried (HT/KD) (continuous at 56 degrees Centigrade for 30 minutes) standard in

157 DoD Manual 4140.65-M "Compliance for Defense Packaging: Phytosanitary Requirements for Wood  
158 Packaging Material (WPM)". WPM must be stamped or branded with the appropriate certification  
159 markings as detailed in DOD 4140.65-M and be certified by an accredited American Lumber  
160 Standards Committee (ALSC)-recognized agency. The WPM certification markings must be easily  
161 visible, especially in pallet loads, to inspectors.

162  
163 (3) Palletization shall be in accordance with **MD00100452, REVISION C, DATED 09/2016**  
164 found at  
165 [http://www.dla.mil/LandandMaritime/Offers/Services/TechnicalSupport/Logistics/Packaging/Palletiz](http://www.dla.mil/LandandMaritime/Offers/Services/TechnicalSupport/Logistics/Packaging/Palletization.aspx)  
166 [ation.aspx](http://www.dla.mil/LandandMaritime/Offers/Services/TechnicalSupport/Logistics/Packaging/Palletization.aspx)

167  
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169  
170 (End of TQ Requirement)  
171

172 **IP025: PACKAGING, MARKING, AND SHIPPING OF HAZARDOUS MATERIALS**

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1. Packaging and marking for hazardous materials shall comply with applicable requirements including Performance Oriented Packaging (POP) contained in the International Air Transport Association (IATA) Dangerous Goods Regulations, AFMAN 24-204/DLAI 4145.3, Preparing Hazardous Materials for Military Air Shipment or the International Maritime Dangerous Goods Code (IMDG) and with Code of Federal Regulations (CFR) Title 29, Title 40 and Title 49.

2. All performance test requirements shall be supported by certificates and reports attesting to the date and the results obtained from performance oriented packaging testing. The contractor, if not a self-certifier, shall be responsible for assuring that third party sources providing performance testing services are, in fact, registered with the Department of Transportation.

3. The contractor's signed certification that the packaged configuration meets DOT, IATA or IMDG requirements shall be incorporated on the DD Form 250, Material Inspection and Receiving Report, and other related acceptance document if the DD Form 250 is not used. Ensure the Shipper's Declaration for Dangerous Goods (SDDG) is included for all air shipments in accordance with IATA and/or AFMAN 24-204/DLAI 4145.3, Preparing Hazardous Materials for Military Air Shipment. All certificates and reports (including training records) shall be available for inspection by authorized Government representatives for a period of three years.

4. Shipment to a military aerial port or through a military container consolidation point to include, but not limited to those DOD Activity Address Codes (DODAAC) listed below, for onward movement to an OCONUS customer shall comply with AFMAN 24-204/DLAI 4145.3, Preparing Hazardous Materials for Military Air Shipment. Publication is available at: [http://static.e-publishing.af.mil/production/1/af\\_a4\\_7/publication/afman24-204\\_ip/afman24-204\\_ip.pdf](http://static.e-publishing.af.mil/production/1/af_a4_7/publication/afman24-204_ip/afman24-204_ip.pdf)

- |                                   |                         |
|-----------------------------------|-------------------------|
| SW3225 – CCP (Tracy, CA)          | FB4427 – Travis AFB     |
| SW3123 – CCP (New Cumberland, PA) | FB4497 – Dover AFB      |
| SW3142 – Yokosuka, Japan          | FB4418 – Charleston AFB |
| N45627 – Norfolk NAS Terminal     | FB4484 – McGuire AFB    |
| FB4479 – McChord, WA              |                         |

5. Shipment by a commercial air carrier for onward movement to an OCONUS customer, packaging and certification shall comply with the International Air Transport Association (IATA) Dangerous Goods Regulations International.

6. Shipment to a water port for onward movement via vessel, packaging and documentation shall comply with the IMDG, International Maritime Dangerous Goods Code.

7. Training and certification for preparing DOD shipments by any mode of transport may be obtained by contacting the DOT/Technical Safety Institute at: Transportation Safety Institute, 6500 South MacArthur Blvd, Oklahoma City, OK 73169-6900, Commercial: (405) 954-4500, Web address: [www.tsi.dot.gov](http://www.tsi.dot.gov)

(End of TQ Requirement)

217 **IP027: PACKING AND MARKING REQUIREMENTS FEDERAL STOCK CLASS 5961**  
218 **SEMICONDUCTORS AND HARDWARE DEVICES AND FSC 5962**  
219 **ELECTRONIC MICROCIRCUITS**  
220

221 (1) In addition to MIL STD-129 packaging requirements, the following also applies:  
222

223 (a) Special marking as required under the applicable Military Specification [e.g. MIL-PRF-  
224 19500 (Semiconductors), or MIL-PRF-38535 (Microcircuits)] referenced in the contract.  
225

226 (b) Semiconductor devices and microcircuits not procured under a military specification shall be  
227 marked in accordance with MIL-STD-129 for additional markings of unit package and include:  
228

229 (i) Identification number

230 (ii) Manufacturer's identification

231 (iii) Manufacturer's date code  
232

233 (End of TQ Requirement)  
234  
235



236 **RC001: DOCUMENTATION REQUIREMENTS FOR SOURCE APPROVAL REQUEST (SAR)**  
237

238 (1) If an item other than what is cited in the Purchase Item Description (PID) specified in the solicitation  
239 is offered under the provisions of DLA Procurement Notes “L04 Offers for part numbered Items” or  
240 “M06 Evaluation of Offers for Part Numbered Items” then additional documentation requirements are  
241 needed to evaluate that the offered items meet the requirements for Critical Application Item (CAI)  
242 and/or Critical Safety Items (CSI) specified in the PID.  
243

244 (2) The mandatory requirements to submit a SAR for CATEGORY I - III critical parts can be found  
245 on the applicable DLA Office of Small Business Programs web site. To find the applicable DLA Office  
246 of Small Business Program, go to <http://www.dla.mil/HQ/SmallBusiness.aspx> and select the applicable  
247 Primary Level Field Activity (PLFA - Troop Support, Aviation, or Land and Maritime), than look for  
248 information on SAR.  
249

250 (3) The offeror shall determine which category applies (see below). The specific documentation for that  
251 category, as well the documentation specified in paragraph 3 shall be submitted in support of the  
252 manufacturing process.  
253

254 (a) CATEGORY I: Manufacturer of the same item for the Original Equipment Manufacturer (OEM),  
255 or for the Department of Defense (DOD).  
256

257 (b) CATEGORY II: Manufacturer of a similar item for the OEM or DOD. A similar item is defined  
258 as an item whose design, application, operating parameters, material, and manufacturing processes  
259 are similar to those of the item for which source approval is sought.  
260

261 (c) CATEGORY III: New manufacturer. The exact or similar item has not been previously provided  
262 to the OEM or DOD.  
263

264 (4) SAR documentation requirements are also required for all non-critical parts:  
265

266 (a) If the offeror seeking approval is not a manufacturer, the offeror shall submit SAR  
267 documentation on the manufacturer.  
268

269 (b) Any SAR identified to Boeing Rights Guard must comply with the Boeing Rights Guard  
270 Agreement.  
271

272 (End of TQ Requirement)  
273  
274  
275

276 **RD001: DEMILITARIZATION: SMALL ARM WEAPONS AND PARTS AND ACCESSORIES**  
277 **(CATEGORY I – MUNITIONS LIST ITEMS, CATEGORY I–DODM 4160.28- VOL 3)**

278  
279 1. Demilitarization of small arms weapons, weapons parts, accessories, and associated technical data  
280 will be accomplished in accordance with the most current version of the Department of Defense (DOD)  
281 Manual 4160.28, Volume 3, Enclosure 3 found on the Web at:  
282 <http://www.dtic.mil/whs/directives/corres/pub1.html>.

283  
284 2. Mandatory demilitarization training requirements will be fulfilled in accordance with DOD Manual  
285 4160.28, Volume 1, Enclosure 4.

286  
287 (End of TQ Requirement)

288  
289  
290  
291

292 **RQ001: HIGHER LEVEL CONTRACT QUALITY REQUIREMENTS (MANUFACTURERS**  
293 **AND NON-MANUFACTURERS)**

- 294
- 295 1. The minimum Higher Level Contract Quality Requirements for manufacturers for DLA is either SAE  
296 AS9003, or the appropriate tailored version of ISO 9001:2008. MIL-I-45208 and MIL-Q-9858 are  
297 obsolete and no longer acceptable when higher level quality is required.
- 298 2. In the tailored version of the ISO 9001:2008, any references within ISO 9001:2008 which cite the  
299 entire international standard are interpreted as exclusions.
- 300 3. DLA tailored higher level quality technical requirements from ISO 9001:2008 are as follows:
- 301 4.1 General requirements, [excluding reference to 1.2 and excluding Note 3c)]
- 302 4.2.1 General, [excluding subparagraph a)]
- 303 4.2.2 Quality manual, [excluding subparagraph a)]
- 304 4.2.3 Control of documents
- 305 4.2.4 Control of records
- 306 5.1 Management commitment
- 307 5.3 Quality policy
- 308 6.2.2 Competence, training and awareness
- 309 6.4 Work environment
- 310 7.1 Planning of product realization, [excluding Note 2]
- 311 7.2.1 Determination of requirements related to the product
- 312 7.2.2 Review of requirements related to the product
- 313 7.2.3 Customer communication
- 314 7.3.7 Control of design and development changes
- 315 7.4.1 Purchasing process
- 316 7.4.3 Verification of purchased product
- 317 7.5.1 Control of production and service provision
- 318 7.5.3 Identification and traceability
- 319 7.5.4 Customer property

- 320 7.5.5 Preservation of product
- 321 7.6 Control of monitoring and measuring equipment
- 322 8.1 General, [excluding subparagraphs (b) and (c)]
- 323 8.2.2 Internal audit
- 324 8.2.4 Monitoring and measurement of product
- 325 8.3 Control of nonconforming product
- 326 8.5.2 Corrective action
- 327 8.5.3 Preventive action
- 328 4. Manufacturing contractors may also choose to offer a quality management program meeting the  
329 requirements of full ISO 9001:2008, full ISO 9001:2015, or a program that exceeds ISO 9001:2008  
330 (example SAE AS 9100).
- 331 5. Higher-Level Contract Quality Requirement for Non-Manufacturers:
- 332 (a) If a non-manufacturer is supplying the material, the non-manufacturer shall:
- 333 (i) Furnish items produced at a manufacturing facility conforming to the higher-level contract  
334 quality requirement for manufacturers as specified in paragraph one; or
- 335 (ii) Maintain and provide documented evidence that material furnished under this contract was  
336 produced at a manufacturing facility conforming to the specified higher-level contract quality  
337 requirement and that the material meets all requirements. At a minimum, the documented  
338 evidence shall be sufficient to establish the identity of the product and its manufacturing source;  
339 and include the basic item description, the item(s) part number and/or national stock number, the  
340 item(s) manufacturing source, the manufacturing source's commercial and government entity  
341 code (e.g. CAGE code), and clear identification of the name and location of supply chain  
342 intermediaries from the manufacturer to the direct source of the product for the  
343 offeror/contractor, to the item(s) acceptance by the Government. It should also include, where  
344 available, the manufacturer's batch identification for the part(s), such as date codes, lot codes, or  
345 serial numbers.
- 346 (iii) Maintain documentation of the Non-Manufacturers' quality assurance program;  
347 receiving/verification processes; records management system; procurement system; inventory  
348 control system; testing results; and any other records associated with the material being provided.
- 349 (iii) Maintain documentation of the Non-Manufacturers' quality assurance program;  
350 receiving/verification processes; records management system; procurement system; inventory  
351 control system; testing results; and any other records associated with the material being provided.

352 (End of TQ Requirement)

353

354 **RQ002: CONFIGURATION CHANGE MANAGEMENT - ENGINEERING CHANGE**  
355 **PROPOSAL REQUEST FOR VARIANCE (DEVIATION OR WAVIER)**  
356

- 357 1. The Configuration Change Management section of SAE EIA-649-1 Configuration Management  
358 Requirement for Defense Contracts, Paragraph 3.3, shall be used for configuration control of material.
- 359 2. Furnished item(s) shall conform to the approved configuration requirements/revision, unless a  
360 Request for Variance (RFV) is processed and approved as provided by Paragraph E. below. The term  
361 "Request for Variance" includes Requests for Deviations and Waivers.
- 362 3. Value Engineering Change Proposals (VECPs) for cost saving improvements to the Technical Data  
363 Package (TDP) should not be processed per SAE EIA-649-1 and should be referred to FAR Part 48  
364 Value Engineering.
- 365 4. All Engineering Change Proposals (ECPs) submitted will be deemed routine. If an ECP is  
366 considered as an emergency or urgent; that justification for the rationale shall be included in the ECP  
367 submittal with all applicable supporting documentation.
- 368 5. For ECPs, RFVs, Notices of Revision (NORs) or Specification Change Notices (SCNs), the  
369 Contractor must submit the applicable documentation listed in sub-paragraphs 5(a) through 5(d) to the  
370 Administrative Contracting Officer (ACO), with an information copy to the Procuring Contracting  
371 Officer (PCO). Failure to submit a complete legible package may result in return of the  
372 ECP/RFV/SCN/NOR without processing.
- 373 (a) Documentation listed in EIA-649-1 Paragraph 3.3.1 (for ECPs), 3.3.2 (RFV), 3.3.3 (for SCNs)  
374 or 3.3.4 (for Notices of Revision (NORs)).
- 375 (b) DD Form 1692 (current revision) for ECP.
- 376 (c) DD Form 1694 (current revision) for RFV.
- 377 (d) DD Form 1695 (current revision) for NOR.
- 378 6. Questions regarding the status of previously submitted ECP or RFV should be directed to the PCO.  
379 Incorporation of an approved RFV and/or ECP will require a contract modification execution.
- 380 7. The submission of an ECP/RFV/SCN/NOR does not affect the required delivery date of the contract.  
381 If a delivery date change is needed, a contract modification is required.

382 (End of TQ Requirement)

383 **RQ003: CONFIGURATION CHANGE MANAGEMENT FOR EDGEWOOD FOR**  
384 **CHEMICAL, BIOLOGICAL CENTER MATERIALS - ENGINEERING CHANGE**  
385 **PROPOSAL REQUEST FOR VARIANCE (DEVIATION OR WAVIER)**  
386

387 1. The Configuration Change Management section of SAE EIA-649-1 “Configuration Management  
388 Requirement for Defense Contracts”, Paragraph 3.3, shall be used for configuration control of material  
389 with the following exclusions: paragraph 3.3(3); the second sentence of paragraph 3.3.1.8.1(1), and the  
390 General Note in paragraph 3.3.2.4(1) which reads as "Generally, Minor RFVs address product changes  
391 that are temporary and do not impact the baseline."

392 2. Furnished item(s) shall conform to the approved configuration requirements/revision, unless a  
393 Request for Variance (RFV) is processed and approved as provided by Paragraph E. below. The term  
394 "Request for Variance" includes Requests for Deviations and Waivers.

395 3. Value Engineering Change Proposals (VECPs) for cost saving improvements to the Technical Data  
396 Package (TDP) should not be processed per SAE EIA-649-1 and should be referred to FAR Part 48  
397 Value Engineering.

398 4. All Engineering Change Proposals (ECPs) submitted will be deemed routine. If an ECP is  
399 considered as an emergency or urgent; that justification for the rationale shall be included in the ECP  
400 submittal with all applicable supporting documentation.

401 5. For ECPs, RFVs, Notices of Revision (NORs) or Specification Change Notices (SCNs), the  
402 Contractor must submit the applicable documentation listed in sub-paragraphs 5(a) through 5(d) to the  
403 Administrative Contracting Officer (ACO), with an information copy to the Procuring Contracting  
404 Officer (PCO). Failure to submit a complete legible package may result in return of the  
405 ECP/RFV/SCN/NOR without processing.

406 (a) Documentation and/or use of DD Form 1692 (current revision) and delivery of data per DI-SESS-  
407 80639 is detailed in paragraph 3.3.1 of EIA-649-1 for ECPs.

408 (b) Documentation and/or use of DD Form 1694 (current revision) and delivery of data per DI-SESS-  
409 80640 is detailed in paragraph 3.3.2 of EIA-649-1 for RFVs.

410 (c) Documentation and/or use of DD Form 1695 (current revision) and delivery of date per DI-SESS-  
411 80642 is detailed in paragraph 3.3.4 of EIA-649-1 for NORs.

412 (d) Documentation and delivery of data per DI-SESS-80643 is detailed in Paragraph 3.3.3 of EIA-  
413 649-1 for SCNs.

414 6. Questions regarding the status of previously submitted ECP or RFV should be directed to the PCO.  
415 Incorporation of an approved RFV and/or ECP will require a contract modification execution.

416 7. The submission of an ECP/RFV/SCN/NOR does not affect the required delivery date of the contract.  
417 If a delivery date change is needed, a contract modification is required.

418 (End of TQ Requirement)

419

420 **RQ004: FEDERAL INSECTICIDE, FUNGICIDE, AND RODENTICIDE ACT (FIFRA)**

421  
422 (1) All insecticidal, acaricidal, herbicidal, fungicidal or algacidal pesticide products delivered or utilized  
423 in the production of finished supplies or delivery of services must be specifically labeled for the  
424 intended use as a pesticide by the US Environmental Protection Agency (EPA).

425  
426 (2) When a pesticide is specified by a contract but is not available with an EPA approved label, the  
427 offeror shall request a deviation from the specification and designate a substitute product with an EPA  
428 approved label for the use required by the specification.

429  
430 (End of TQ Requirement)

431

**RQ005: LENGTHS, TICKETS, PACKAGING, MARKING OF CUTS OR PIECES – DLA TROOP SUPPORT, CLOTHING AND TEXTILES (C&T)**

(1) LENGTHS OF CUTS OR PIECES. The gross length of single continuous pieces (regular length) is in the applicable specification or deviation. On pieces where shade swatches have been removed, gross yards shall exclude any material cut pursuant to the shade evaluation requirement. Pieces less than 50 yards in length will be considered for acceptance as follows:

Gross Length of Short Pieces (Yards)		Maximum % Permitted Of Total Contract Yardage	Discount From Contract Price
From:	To:		
40	49-7/8	4%	2%
30	39-7/8	3%	5%
20	29-7/8	2%	10%

Pieces less than 20 yards in length will not be accepted. When splicing is permitted, each individual cut so spliced will nevertheless be considered as a separate piece. Short lengths listed in this paragraph as acceptable must be presented to the Government Quality Assurance Representative (QAR) in separate groupings, identified as short lengths, and segregated by respective length ranges. The total yardage within any short length range, presented for acceptance at any stage of contract performance, shall not exceed the percentage specified in relation to the total yardage (gross of all regular and short length pieces) shipped to date on the contract plus the yardage in the lot being presented for acceptance.

(2) PIECE TICKETS:

(a) The piece ticket shall not include in the gross quantity any yardage removed there from for purposes of Contractor and Government verification testing, shade evaluation, standby samples, etc., but shall show only actual yardage in the piece.

(b) One-piece ticket shall be required for each length (whether a regular length or a short length as outlined in paragraph (a) above) showing gross yardage. Information on the ticket shall be specified in the applicable requirements for preparation for delivery.

(c) Where permitted, when two or more pieces are put up on the same roll and the roll is shipped unwrapped, one ticket shall be attached to each piece and one additional ticket shall be attached to the roll.

(d) Where permitted, when two or more pieces are put up on the same roll and the roll is shipped wrapped, one ticket shall be attached to each piece and two additional tickets shall be attached to the roll. One of the additional tickets shall be inserted in the paper tube and the other such additional ticket so positioned that, though covered by the wrapping, it can be readily located and drawn. An "X" marked on the outside wrapping shall indicate the position of the latter ticket.



477 (e) The additional tickets required by subparagraph (3) or (4) above shall be as specified in the  
478 applicable requirements for preparation for delivery. These tickets shall show gross yardage of each  
479 piece on the reverse side and the total gross yards of the pieces comprising the roll on the face side.  
480

481 (3) PACKAGING AND MARKING OF SHORT LENGTH:  
482

483 (a) Packaging: Lengths from 20 to 49-7/8 yards will be packed separately from regular length pieces.  
484 In addition, each length ranges as indicated in the table of paragraph (a), "Length of Cuts or Pieces"  
485 will, in turn, be packed separately. The total number of short lengths rolled on a tube shall be limited  
486 by the maximum yardage or maximum weight (whichever is applicable) specified for a roll.  
487

488 (b) Marking: Marking of containers shall clearly indicate "Short Lengths", followed by the length  
489 range of the contents. This information shall immediately follow the nomenclature.  
490

491  
492 (End of TQ Requirement)  
493

494 **RQ006: QUALITY CONFORMANCE INSPECTION REQUIREMENTS**

495 (1) This applies when manufactured parts are being acquired and the item description states that quality  
496 conformance inspection is required.

497 (2) Specifications Standards:

498 (a) American Society of Mechanical Engineers (ASME) B46.1, Surface Texture.

499 (b) ASME Y14.5, Dimensioning and Tolerancing.

500 (c) NCSL Z540.3, "Requirements for the calibration of Measuring and Test Equipment".

501 (d) National Bureau of Standards FED-STD-H28, Screw Thread Standards for Federal Services.

502 (e) American Society for Testing Materials (ASTM) Standards.

503 (f) ASTM E8/E8M – Standard Test Methods for Tension Testing of Metallic Materials.

504 (g) ASTM E10 – Standard Test Method for Brinell Hardness of Metallic Materials.

505 (h) ASTM E18 - Standard Test Methods for Rockwell Hardness of Metallic Materials.

506 (i) International Organization for Standardization (ISO) 9000 "Quality management systems -  
507 fundamentals and Vocabulary".

508 (3) Requirements:

509 (a) Items with a technical data package that is complete for manufacture (e.g., Government drawing,  
510 commercially-available technical data, etc.) shall be tested or examined as follows:

511 (i) Machined surfaces of parts specified to a surface roughness value shall be examined in  
512 accordance with ASME B46.1 to determine conformance of surface roughness to a specified  
513 value.

514 (ii) Product threads shall be examined in accordance with FED-STD-H28.

515 (iii) Specified dimensional and geometric tolerances shall be measured using only calibrated  
516 measuring equipment that is certified and traceable to National Institute of Standards and  
517 Technology (NIST) for accuracy.

518 (iv) Testing shall be in accordance with applicable ASTM standards.

519 (b) Finished products shall be uniform in quality and condition; and clean, smooth and free from  
520 scale, burrs, slivers, sharp edges (unless a technical requirement), ragged or torn edges, and other  
521 defects considered detrimental to serviceability of product.

522 (4) Quality Assurance Provisions:

523 (a) Sampling for quality conformance inspection shall be as specified in the contract.

524 (b) The following classification of characteristics shall apply, unless otherwise specified:

525 (i) Critical:

526 (a) Diametrical and linear dimensions having a total tolerance of 0.001 inch (0.025 MM) or  
527 less.

528 (b) Surface finishes having a 16 rms value or less.

529 (c) Geometric Tolerances having a tolerance of 0.002 inch (0.051 MM) or less.

530 (d) Nondestructive tests - Magnetic particle inspection, Liquid penetrant inspection,  
531 Ultrasonic testing, Radiographic testing, etc.

532 (ii) Major:

533 (a) Diametrical and linear dimensions having a total tolerance greater than 0.001 inch (0.025  
534 MM) up to and including 0.005 inch (0.1270 MM).

535 (b) Surface finishes having specified rms values over 16 but less than or equal to 63.

536 (c) Geometric Tolerance having a tolerance greater than 0.002 inch (0.051 MM) and equal  
537 to or less than 0.008 inch (0.2032 MM).

538 (d) Threads specified to Class 3 tolerances.

539 (iii) Minor:

540 (a) Diametrical and linear dimensions having a total tolerance in excess of 0.005 inch  
541 (0.1270 MM).

542 (b) Surface finishes specified to rms values in excess of 63.

543 (c) Visual and dimensional characteristics that are found to be nonconforming with the  
544 requirements of the applicable drawing and the requirements are contractual nonconformances.

545 (d) Chemical Test Lot - For chemical analysis, a test lot shall consist of one heat or melt of material  
546 regardless of product sizes/shapes produced.

547 (e) Mechanical Test Lot - For mechanical testing, when heat treatment is a technical requirement, a  
548 lot shall consist of:

- 549 (i) One size/shape of "as received" material from a "Chemical Test Lot", or
- 550 (ii) Each heat treats batch or continuous furnace run of end items from a "Chemical Test Lot".
- 551 (f) Material Certification - Written certification shall state that the material used conforms to the  
552 specification requirements and that test reports are on file. The material manufacturer's certificate  
553 of test for each heat or melt of material used in the manufacture of inspection lot product is  
554 required. The certificate shall show that the test results are in accordance with specification  
555 requirement and shall be entered into the inspection record. When a Certificate of Quality  
556 Compliance (COQC) is a requirement, the material certification:
- 557 (i) Shall be signed by an authorized company officer or contractor representative responsible for  
558 Quality Assurance;
- 559 (ii) Shall include actual test/inspection results; and
- 560 (iii) Shall include documentation for all required processes.
- 561 (g) Metallic Products: Products produced from "as received" material, or from material purchased  
562 in accordance with technical requirements of the contract/order, including products to be heat  
563 treated during the manufacturing cycle, shall require certificates (test report results) or mill source  
564 certification; and shall be verified by the Contractor for conformance with the requirements of the  
565 applicable material specification, including conformance with the properties for the type, grade,  
566 class, condition ordered. Inconclusive certification will require verification testing in accordance  
567 with the applicable specification and shall be performed on the chemical test lot and mechanical  
568 test lot of any particular material received; and test report results shall form part of the contract  
569 inspection records.
- 570 (i) Heat Treated Parts: Those articles which during the manufacturing cycle have been heat  
571 treated as may be required by drawing to obtain desired mechanical properties must be tensile  
572 and/or hardness tested as applicable to assure conformance to the drawing requirements.
- 573 (ii) When necessary due to product size, tensile test coupons may be taken from the same  
574 material from which the part is made. Test coupons shall be the same thickness as the maximum  
575 section of the part being heat treated and shall be subjected to the same heating and cooling  
576 cycles performed in the heat treatment of the parts.
- 577 (h) Non-metallic Products: Test certificates from the raw material producer or source certification  
578 shall be examined by the Contractor for conformance to the applicable material application. The  
579 certification received from the material producer/supplier may be the sole basis for acceptance  
580 when the certificate establishes that the material meets the requirements of the applicable  
581 specifications. If the certificate is not complete, additional testing must be performed or data  
582 obtained to establish that material meets the requirements of the applicable specifications.
- 583 (i) Surface Finishes and Treatments/Metallic Coatings:

584 (a) Plating, Surface Finishes and Treatments: Samples shall be selected, examined and tested in  
585 accordance with requirements of the applicable finish specification cited within technical  
586 documents of the contract with the acceptance/rejection criteria of the specification applying. In  
587 lieu of specific testing inspection criteria, the Contractor may furnish the plating contractor's  
588 certification with inspection results attached as objective quality evidence of surface finish  
589 conformance with specified requirements.

590 (b) When hydrogen embrittlement relief treatment is required, the Contractor shall include on the  
591 certification a statement that product was so treated by baking at the temperature and time  
592 required.

593 (j) Examination for Preparation for Delivery - Examination of the preparation for delivery shall be  
594 performed to determine conformance with contractual requirements.

595 (End of TQ Requirement)  
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600 **RQ007: QUALIFIED MANUFACTURERS LIST (QML) INTEGRATED CIRCUITS, HYBRID**  
601 **MICROCIRCUITS, AND SEMICONDUCTOR DEVICES – DLA MARITIME**  
602

603 (1) This is a QML item. Military specification MIL-M-38510, MIL-PRF-38534, or MIL-PRF-38535,  
604 MIL-PRF-19500 apply, as applicable.  
605

606 (2) QML item(s) shall be in strict conformance to the military specification referenced in the item  
607 description of the solicitation/contracting, including applicable revisions and slash sheets.  
608

609 (3) The contractor shall provide a certificate of conformance and adequate supply chain traceability  
610 documentation (CoC/T), IAW the applicable military specification referenced in paragraph one. The  
611 CoC/T documentation must also reference the contract number. Failure to provide adequate CoC/T will  
612 result in the rejection of the offeror.  
613

614 (4) If the contract requires inspection and acceptance at origin, the contractor shall furnish the original  
615 and two copies of the CoC/T to the Government quality assurance representative (QAR) with the items  
616 offered for acceptance. The CoC/T must clearly reference the applicable contract number. Upon  
617 acceptance, the QAR shall sign all copies indicating approval of the certification and acceptance of the  
618 supplies. The contractor shall email the signed copy to DLA Land and Maritime at  
619 Maritime.CDAP.Monitor@dla.mil. The second copy shall be retained by the QAR. The original shall  
620 be maintained by the contractor.  
621

622 (5) If the contract requires inspection and acceptance at destination, the Contractor shall email one copy  
623 of the CoC/T to DLA Land and Maritime at Maritime.CDAP.Monitor@dla.mil upon shipment/delivery.  
624 The CoC/T must clearly reference the applicable contract number.  
625

626 (End of TQ Requirement)  
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629 **RQ008: WARRANTY OF INDUSTRIAL PLANT EQUIPMENT (IPE) FEDERAL SUPPLY**  
630 **GROUP (FSG) 34**  
631

632 (1) The contractor warrants that for one year all supplies furnished under this contract will be free from  
633 defects in material and workmanship and will conform to all requirements of this contract. Warranty  
634 period begins from the date of acceptance.

635 (2) Any supplies or parts corrected or furnished in replacement by the contractor shall be subject to the  
636 conditions to the same extent as supplies initially delivered. This warranty shall be equal in duration to  
637 one year and shall run from the date of delivery of the corrected or replaced supplies.

638 (3) When the machine is inoperable because of a defect, deficiency and/or nonconformance subject to  
639 the contractor's warranty, and after the contractor has received written notice of the defect, deficiency or  
640 nonconformance, the warranty shall be extended for the time period during which the machine was  
641 inoperable (i.e., length of time from when contractor receives notification until machine is operable.)

642 (4) The contractor shall not be obligated to correct or replace supplies if the facilities, tooling, drawings,  
643 or other equipment or supplies necessary to accomplish the correction or replacement have been made  
644 unavailable to the contractor by action of the Government. In the event that correction or replacement  
645 has been directed, the contractor shall promptly notify the contracting officer, in writing, of the non-  
646 availability.

647 (5) The contractor shall also prepare and furnish to the Government data and reports applicable to any  
648 correction required (including revision and updating of all affected data called for under this contract) at  
649 no increase in the contract price.

650 (6) When supplies are returned to the contractor, the contractor shall bear the transportation costs from  
651 the place of delivery specified in the contract (irrespective of the free on board point, or the point of  
652 acceptance) to the contractor's plant and return. When defective items are returned to the contractor from  
653 other than the place of delivery specified in the contract, or when the Government exercises alternate  
654 remedies, the contractor's liability for transportation charges incurred shall not exceed an amount equal  
655 to the cost of transportation by the usual commercial method of shipment between the place of delivery  
656 specified in the contract and the contractor's plant and subsequent return.

657 (7) The warranties expressed herein are in lieu of any implied warranties of merchantability and "fitness  
658 for a particular purpose".

659 (8) Remedies available to the Government.

660 (a) In the event of a breach of the contractor's warranty, the Government may, at no increase in  
661 contract price

662 (i) Require the contractor, at the place of delivery specified in the contract (irrespective of the  
663 F.O.B. point or point of acceptance), or at the contractor's plant, to repair or replace, at the  
664 contractor's election, defective or nonconforming supplies, or

665 (ii) Require the contractor to furnish at the contractor's plant the materials or parts and  
666 installation instructions required to successfully accomplish the correction.

667 (iii) Where it is impracticable for the Government to pursue remedies at (i) and (ii), the  
668 Government may arrange for the repair or replacement of defective or nonconforming supplies  
669 by the Government or by another source at the contractor's expense. Where the Government is to  
670 accomplish the repair, the contractor at the Government's option will furnish the material or parts  
671 and the instruction required to successfully accomplish the repair.

672 (9) If the contracting officer does not require correction or replacement of defective or nonconforming  
673 supplies or the contractor is not obligated to correct or replace under paragraph (4) the Government shall  
674 be entitled to an equitable reduction in the contract price.

675 (10) The contracting officer shall notify the contractor in writing of any breach of the warranty in  
676 paragraph (b) of this clause within a reasonable period, but not later than 45 days after discovery of the  
677 defect. The contractor shall submit to the contracting officer a written recommendation within two  
678 working days as to the corrective action required to remedy the breach. After the notice of breach, but  
679 not later than five days after receipt of the contractor's recommendation for corrective action, the  
680 contracting officer may, in writing, direct correction or replacements in paragraph (8)(a) and the  
681 contractor shall comply with this direction within five days of receipt. If it is later determined that the  
682 contractor did not breach the warranty in paragraphs (1) and (b) the contract price will be equitably  
683 adjusted.

684 (11) If supplies are corrected or replaced, the period for notification of a breach of the Contractor's  
685 warranty in paragraph 10 shall be 45 days from the discovery of the defect.

686 (12) The rights and remedies of the Government provided in this clause are in addition to and do not  
687 limit any rights afforded to the Government by any other clause of the contract.

688 (13) The contractor shall be liable for the reasonable costs of disassembly and/or reassembly of larger  
689 items when it is necessary to remove the supplies to be inspected and/or returned for correction or  
690 replacement.

691 (End of TQ Requirement)

692



693 **RQ009: INSPECTION AND ACCEPTANCE AT ORIGIN**

694

695 1. The Government's Quality Assurance Representative (QAR) will inspect supplies described by  
696 manufacturer's name/code and part number at origin location(s):

697 a. The QAR may require that objective evidence be furnished establishing the name and address of  
698 the plant that manufactures the supplies to ensure that a domestic product is being supplied.

699 b. Objective evidence of performance must be present for all quality assurance requirements  
700 specified in the contract. The QAR may require additional examinations and tests to determine:

- 701 i. Completeness of item
- 702 ii. Material is new and unused
- 703 iii. Absence of rust
- 704 iv. Contamination, or deterioration
- 705 v. Correct identification/item marking
- 706 vi. Correct packaging
- 707 vii. Absence of any damage
- 708 viii. Compliance with preparation for delivery

709 2. If the supplier is not the manufacturer of the supplies, objective evidence must be furnished to  
710 establish that the supplies were produced by the approved manufacturer.

711 3. For supplies designated as former Government surplus (whether described by manufacturer's  
712 name/code and part number, or by Military or Federal specification or drawing), the original package  
713 markings of each item shall be verified to previous Government contract number and part number. Any  
714 deviation shall be cause for rejection of the item. The Procuring Activity may add additional inspection  
715 requirements based on the evaluation of the surplus offer. Such additional requirements will be  
716 identified before the award.

717 (End of TQ Requirement)

718

719 **RQ010: DATA NAME PLATES**

720

721 (1) The most current version of military standard (MIL-STD) 130 is applicable with the exception of  
722 paragraphs 4.1, 4.5, 4.6, 4.11 and 4.13. Data name plates shall be made of minimum 22-gauge  
723 corrosion-resisting metal and attached to each item by rivets, screws, or welding in such a manner as to  
724 meet the applicable National Sanitation Foundation sanitary requirements for this equipment. The plate  
725 shall contain the following information stamped, engraved or applied by photosensitive means.

726

727 a) National stock number

728

729 b) Procurement Instrument Identification Number

730

731 c) Specification data

732

733 d) Manufacturer's name, address, phone number

734

735 e) Supplier's name, address, phone number

736

737 f) Manufacturer's model number

738

739 g) DIC approved manual number

740

741 (2) Each plate shall be placed so that it is readily visible to the operator during normal operating use.  
742 Each plate shall be placed in a manner as to not adversely affect the life and utility of the item.

743

(End of TQ Requirement)

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748

749 **RQ011: REMOVAL OF GOVERNMENT IDENTIFICATION FROM NON-ACCEPTED**  
750 **SUPPLIES**

751  
752 The Contractor shall remove or obliterate from a rejected end item and its packing and packaging,  
753 any marking, symbol, or other representation that the end item or any part of it has been produced or  
754 manufactured for the United States Government. Removal or obliteration shall be accomplished prior to  
755 any donation, sale, or disposal in commercial channels.

756  
757 (End of TQ Requirement)

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762 **RQ012: QUALIFIED PRODUCTS LIST (QPL) CONNECTOR ASSEMBLIES AND QPL**  
763 **ELECTRICAL CONTACTS**  
764

765 This is a qualified item. DLA Directive (DLAD) Procurement Note “H01 Qualified Products List  
766 (QPL) for Federal Supply Class (FSC) 5935 Connector Assemblies and Contacts” applies. The full text  
767 of H01 is in the DLAD Procurement Notes located on the Web at:  
768 <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx>.

769  
770 (End of TQ Requirement)

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773

774 **RQ013: QUALIFIED SUPPLIERS LIST OF MANUFACTURERS (QSLM) FOR GUN PARTS**

775

776 This is a qualified item. DLA Directive (DLAD) Procurement Note “M02 Qualified Suppliers List of  
777 Manufacturers (QSLM) for Gun Parts Federal Supply Class (FSCs) 1005, 1010, 1015, 1025, 1055, and  
778 1095” applies. The full text of M02 is in the DLAD Procurement Notes located on the Web at:

779 <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx>.

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781

(End of TQ Requirement)

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785 **RQ014: QUALIFIED SUPPLIERS LIST OF DISTRIBUTORS (QSLD) AND QUALIFIED**  
786 **TESTING SUPPLIERS LIST (QTSL) FOR FEDERAL SUPPLY CLASS (FSC) 5961**  
787 **SEMICONDUCTORS AND HARDWARE DEVICES AND FSC 5962 ELECTRONIC**  
788 **MICROCIRCUITS**

789 This is a qualified item. The DLA Directive (DLAD) Procurement Note “M01 Qualified Suppliers for  
791 Federal Supply Class (FSC) 5961 Semiconductors and Hardware Devices and FSC 5962 Electronic  
792 Microcircuits” applies. The full text of M01 is in the DLAD Procurement Notes located on the Web at:  
793 <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx>.

794

(End of TQ Requirement)

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797

798 **RQ015: QUALIFIED SUPPLIERS LIST FOR MANUFACTURERS (QSLM)/QUALIFIED**  
799 **SUPPLIERS LIST FOR DISTRIBUTORS FOR TROOP SUPPORT**  
800

801 This is a qualified item. The DLA Directive (DLAD) Procurement Note “M03 Qualified Suppliers List  
802 for Manufacturers (QSLM)/Qualified Suppliers List for Distributors (QSLD) for Troop Support”  
803 applies. The full text of procurement note M03 can be found in the DLAD Procurement Notes located  
804 on the Web at: <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx>.

805 (End of TQ Requirement)

806

807 **RQ016: COMPONENT QUALIFIED PRODUCTS LISTS (QPL)/QUALIFIED**  
808 **MANUFACTURERS LISTS (QML)**  
809

810 This is a qualified item. The item contains one or more components defined by a specification(s) with  
811 an associated Qualified Products List (QPL) or Qualified Manufacturers List (QML). The DLA  
812 Directive (DLAD) Procurement Note “H02 Component Qualified Products List (QPL)/Qualified  
813 Manufacturers List (QML)” applies. The full text of H02 can be found in the DLAD Procurement Notes  
814 located on the Web at: <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx>.

815 (End of TQ Requirement)  
816



817 **RQ017: PHYSICAL IDENTIFICATION/BARE ITEM MARKNG**

818

819 (1) Unless authorized by exclusions listed below, items shall be marked as specified in the current  
820 military standard 130 (MIL-STD-130). The following supplemental marking requirements shall take  
821 precedence in case of conflict with MIL-STD-130:

822

823 (a) Unless the design control document specifically cites other marking requirements, the item will  
824 be considered too small to mark under the conditions listed below (however, IP027 Packing and  
825 Marking Requirements for Federal Stock Class (FSC) 5961 and Semiconductors and Hardware  
826 Devices and FSC 5962 Electronic Microcircuits) applies:

827

828 (2) For federal supply classes (FSCs) 5905, 5910, 5935, 5961, 5962, and 5999, items smaller than .100  
829 inch in diameter and .250 inch in length or .100-inch square X .250 inch in length, exclusive of wire  
830 leads, will not be marked.

831

832 (3) Items from other FSCs will not be marked if the item is smaller than .250 inch in diameter X .500-  
833 inch-long or .250-inch square X .500-inch-long, exclusive of wire leads.

834

835 (4) Restrictions (1) and (2) above will not preclude marking of items of smaller dimensions if it is the  
836 manufacturer's standard practice to do so.

837

838 (a) No other physical item marking exclusions are authorized unless specified by MIL-STD-130.

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840 (End of TQ Requirement)

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845 **RQ018: CONTRACTOR RETENTION OF SUPPLY CHAIN TRACEABILITY**  
846 **DOCUMENTATION (AUG 2016)**

847 This item requires supply chain traceability documentation in accordance with DLA Directive (DLAD)  
848 Procurement Note “C03 Contractor Retention of Supply Chain Traceability Documentation (AUG  
849 2016)”. The full text of C03 can be found in the DLAD Procurement Notes located on the Web at:  
850 <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx>.

851 (End of TQ Requirement)  
852

853 **RQ019: FEDERAL AVIATION ADMINISTRATION (FAA) AIRWORTHINESS APPROVAL**

854 1. This item has been identified as being used on commercial certified aviation aircraft. Parts are  
855 required to be manufactured by an FAA approved manufacturer. The Supplier shall prepare and furnish  
856 with the shipment an FAA 8130-3, Certificate of Conformance (CoC) equivalent in compliance with the  
857 CDRL, EASA Form 1, or TCCA Form One for delivered parts requiring FAA approval in the civil  
858 aviation sector in compliance with 14 CFR part 21, "Certification Procedures for Parts and Products  
859 with a "statement certifying "ALL" items furnished on the contract are "Serviceable or Airworthy, ready  
860 for installation in New, Repaired, Overhauled, Modified, Inspected/Tested" condition, in conformity to  
861 approved design data, and are in a condition for safe operation (i.e. airworthy) and are in "FULL  
862 COMPLIANCE" with all specifications, technical data and contract requirements.

863 2. Material provided by a dealer/distributor must provide traceability documentation as an  
864 approved/licensed distributor of the original equipment manufacturer. Traceability documentation may  
865 be requested by the Acquisition Specialist either prior to or subsequent to award.

866 3. Material is to be new and unused. "FAA Certified Part" marking/sticker is required on the outside of  
867 the packaging.

868 (End of TQ Requirement)  
869

870 **RT001: MEASURING AND TEST EQUIPMENT**

871  
872 Gauges and other measuring and testing equipment used for product acceptance shall conform to  
873 specified technical requirements and shall be calibrated in accordance with International Organization for  
874 Standardization (ISO) 10012:2003 or American National Standards Institute (ANSI)/National Conference  
875 of Standards Laboratories (NCSL) Z540.3.

876  
877 (End of TQ Requirement)

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