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DLA MASTER LIST
OF
TECHNICAL AND QUALITY
REQUIREMENTS

Version 2

October 2016

HQ Defense Logistics Agency
Technical and Quality Assurance Division

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95 **II. CONTRACT DATA REQUIREMENTS LIST**

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97 COMMERCIAL MANUALS FOR NAVAL SHIPBOARD.....Click here
98 PRODUCT CERTIFICATION AND TEST REPORT(S).....Click here

99 **RA001 TECHNICAL AND QUALITY REQUIREMENT DOCUMENTATION**

100
101 This document incorporates technical and/or quality requirements (identified by an “R” or an “I”
102 number) set forth in full text in the DLA Master List of Technical and Quality Requirements found on
103 the web at: <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx>. For simplified acquisitions,
104 the revision of the master in effect on the solicitation issue date or the award data controls. For large
105 acquisitions, the revision of the master in effect on the RFP issue data applies unless a solicitation
106 amendment incorporates a follow-on revision, in which case the amendment date controls.

107
108 (End of TQ Requirement)

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

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(1) Additional Packaging and Marking Requirements:

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

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

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

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

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

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

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

(c) MIL-STD-129 provides numerous illustrations of what should be bar-coded and the recommended placement of the bar code. Further information is available on the DLA Packaging Web Site at:
<http://www.dla.mil/LandandMaritime/Offers/Services/TechnicalSupport/Logistics/Packaging.aspx> .

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

(a) Assets packed in or on wood pallets, skids, load boards, pallet collars, wood boxes, reels, 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

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

160
161 (3) Palletization shall be in accordance with **MD00100452, REVISION C, DATED 09/2016**
162 found at
163 [http://www.dla.mil/LandandMaritime/Offers/Services/TechnicalSupport/Logistics/Packaging/Palletiz](http://www.dla.mil/LandandMaritime/Offers/Services/TechnicalSupport/Logistics/Packaging/Palletization.aspx)
164 [ation.aspx](http://www.dla.mil/LandandMaritime/Offers/Services/TechnicalSupport/Logistics/Packaging/Palletization.aspx)

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167
168 (End of TQ Requirement)
169

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

171

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

177

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

182

183 3. The contractor's signed certification that the packaged configuration meets DOT, IATA or IMDG
184 requirements shall be incorporated on the DD Form 250, Material Inspection and Receiving Report, and
185 other related acceptance document if the DD Form 250 is not used. Ensure the Shipper's Declaration for
186 Dangerous Goods (SDDG) is included for all air shipments in accordance with IATA and/or AFMAN
187 24-204/DLAI 4145.3, Preparing Hazardous Materials for Military Air Shipment. All certificates and
188 reports (including training records) shall be available for inspection by authorized Government
189 representatives for a period of three years.

190

191 4. Shipment to a military aerial port or through a military container consolidation point to include, but
192 not limited to those DOD Activity Address Codes (DODAAC) listed below, for onward movement to an
193 OCONUS customer shall comply with AFMAN 24-204/DLAI 4145.3, Preparing Hazardous Materials
194 for Military Air Shipment. Publication is available at: [http://static.e-
195 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)

196

197 SW3225 – CCP (Tracy, CA)

FB4427 – Travis AFB

198 SW3123 – CCP (New Cumberland, PA)

FB4497 – Dover AFB

199 SW3142 – Yokosuka, Japan

FB4418 – Charleston AFB

200 N45627 – Norfolk NAS Terminal

FB4484 – McGuire AFB

201 FB4479 – McChord, WA

202

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

206

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

209

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

214

(End of TQ Requirement)

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

219 (1) In addition to MIL STD-129 packaging requirements, the following also applies:
220

221 (a) Special marking as required under the applicable Military Specification [e.g. MIL-PRF-
222 19500 (Semiconductors), or MIL-PRF-38535 (Microcircuits)] referenced in the contract.
223

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

227 (i) Identification number

228 (ii) Manufacturer's identification

229 (iii) Manufacturer's date code
230

231 (End of TQ Requirement)
232
233

234 **RC001: DOCUMENTATION REQUIREMENTS FOR SOURCE APPROVAL REQUEST (SAR)**
235

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

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

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

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

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

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

262 (4) SAR documentation requirements are also required for all non-critical parts:
263

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

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

270 (End of TQ Requirement)
271
272
273

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

276
277 1. Demilitarization of small arms weapons, weapons parts, accessories, and associated technical data
278 will be accomplished in accordance with the most current version of the Department of Defense (DOD)
279 Manual 4160.28, Volume 3, Enclosure 3 found on the Web at:
280 <http://www.dtic.mil/whs/directives/corres/pub1.html>.

281
282 2. Mandatory demilitarization training requirements will be fulfilled in accordance with DOD Manual
283 4160.28, Volume 1, Enclosure 4.

284
285 (End of TQ Requirement)

286
287
288
289

290 **RQ001: HIGHER LEVEL CONTRACT QUALITY REQUIREMENTS (MANUFACTURERS**
291 **AND NON-MANUFACTURERS)**

- 292
- 293 1. The minimum Higher Level Contract Quality Requirements for manufacturers for DLA is either SAE
294 AS9003, or the appropriate tailored version of ISO 9001:2008. MIL-I-45208 and MIL-Q-9858 are
295 obsolete and no longer acceptable when higher level quality is required.
- 296 2. In the tailored version of the ISO 9001:2008, any references within ISO 9001:2008 which cite the
297 entire international standard are interpreted as exclusions.
- 298 3. DLA tailored higher level quality technical requirements from ISO 9001:2008 are as follows:
- 299 4.1 General requirements, [excluding reference to 1.2 and excluding Note 3c)]
- 300 4.2.1 General, [excluding subparagraph a)]
- 301 4.2.2 Quality manual, [excluding subparagraph a)]
- 302 4.2.3 Control of documents
- 303 4.2.4 Control of records
- 304 5.1 Management commitment
- 305 5.3 Quality policy
- 306 6.2.2 Competence, training and awareness
- 307 6.4 Work environment
- 308 7.1 Planning of product realization, [excluding Note 2]
- 309 7.2.1 Determination of requirements related to the product
- 310 7.2.2 Review of requirements related to the product
- 311 7.2.3 Customer communication
- 312 7.3.7 Control of design and development changes
- 313 7.4.1 Purchasing process
- 314 7.4.3 Verification of purchased product
- 315 7.5.1 Control of production and service provision
- 316 7.5.3 Identification and traceability
- 317 7.5.4 Customer property

- 318 7.5.5 Preservation of product
- 319 7.6 Control of monitoring and measuring equipment
- 320 8.1 General, [excluding subparagraphs (b) and (c)]
- 321 8.2.2 Internal audit
- 322 8.2.4 Monitoring and measurement of product
- 323 8.3 Control of nonconforming product
- 324 8.5.2 Corrective action
- 325 8.5.3 Preventive action
- 326 4. Manufacturing contractors may also choose to offer a quality management program meeting the
327 requirements of full ISO 9001:2008, full ISO 9001:2015, or a program that exceeds ISO 9001:2008
328 (example SAE AS 9100).
- 329 5. Higher-Level Contract Quality Requirement for Non-Manufacturers:
- 330 (a) If a non-manufacturer is supplying the material, the non-manufacturer shall:
- 331 (i) Furnish items produced at a manufacturing facility conforming to the higher-level contract
332 quality requirement for manufacturers as specified in paragraph one; or
- 333 (ii) Maintain and provide documented evidence that material furnished under this contract was
334 produced at a manufacturing facility conforming to the specified higher-level contract quality
335 requirement and that the material meets all requirements. At a minimum, the documented
336 evidence shall be sufficient to establish the identity of the product and its manufacturing source;
337 and include the basic item description, the item(s) part number and/or national stock number, the
338 item(s) manufacturing source, the manufacturing source's commercial and government entity
339 code (e.g. CAGE code), and clear identification of the name and location of supply chain
340 intermediaries from the manufacturer to the direct source of the product for the
341 offeror/contractor, to the item(s) acceptance by the Government. It should also include, where
342 available, the manufacturer's batch identification for the part(s), such as date codes, lot codes, or
343 serial numbers.
- 344 (iii) Maintain documentation of the Non-Manufacturers' quality assurance program;
345 receiving/verification processes; records management system; procurement system; inventory
346 control system; testing results; and any other records associated with the material being provided.
- 347 (iii) Maintain documentation of the Non-Manufacturers' quality assurance program;
348 receiving/verification processes; records management system; procurement system; inventory
349 control system; testing results; and any other records associated with the material being provided.

350 (End of TQ Requirement)

351

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

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

380 (End of TQ Requirement)

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

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

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

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

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

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

404 (a) Documentation and/or use of DD Form 1692 (current revision) and delivery of data per DI-SESS-
405 80639 is detailed in paragraph 3.3.1 of EIA-649-1 for ECPs.

406 (b) Documentation and/or use of DD Form 1694 (current revision) and delivery of data per DI-SESS-
407 80640 is detailed in paragraph 3.3.2 of EIA-649-1 for RFVs.

408 (c) Documentation and/or use of DD Form 1695 (current revision) and delivery of date per DI-SESS-
409 80642 is detailed in paragraph 3.3.4 of EIA-649-1 for NORs.

410 (d) Documentation and delivery of data per DI-SESS-80643 is detailed in Paragraph 3.3.3 of EIA-
411 649-1 for SCNs.

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

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

416 (End of TQ Requirement)

417

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

419
420 (1) All insecticidal, acaricidal, herbicidal, fungicidal or algacidal pesticide products delivered or utilized
421 in the production of finished supplies or delivery of services must be specifically labeled for the
422 intended use as a pesticide by the US Environmental Protection Agency (EPA).

423
424 (2) When a pesticide is specified by a contract but is not available with an EPA approved label, the
425 offeror shall request a deviation from the specification and designate a substitute product with an EPA
426 approved label for the use required by the specification.

427
428 (End of TQ Requirement)

429

430 **RQ005: LENGTHS, TICKETS, PACKAGING, MARKING OF CUTS OR PIECES – DLA**
 431 **TROOP SUPPORT, CLOTHING AND TEXTILES (C&T)**
 432

433 (1) LENGTHS OF CUTS OR PIECES. The gross length of single continuous pieces (regular length) is
 434 in the applicable specification or deviation. On pieces where shade swatches have been removed, gross
 435 yards shall exclude any material cut pursuant to the shade evaluation requirement. Pieces less than 50
 436 yards in length will be considered for acceptance as follows:
 437

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%

447 Pieces less than 20 yards in length will not be accepted. When splicing is permitted, each individual cut
 448 so spliced will nevertheless be considered as a separate piece. Short lengths listed in this paragraph as
 449 acceptable must be presented to the Government Quality Assurance Representative (QAR) in separate
 450 groupings, identified as short lengths, and segregated by respective length ranges. The total yardage
 451 within any short length range, presented for acceptance at any stage of contract performance, shall not
 452 exceed the percentage specified in relation to the total yardage (gross of all regular and short length
 453 pieces) shipped to date on the contract plus the yardage in the lot being presented for acceptance.
 454

455 (2) PIECE TICKETS:
 456

457 (a) The piece ticket shall not include in the gross quantity any yardage removed there from for
 458 purposes of Contractor and Government verification testing, shade evaluation, standby samples, etc.,
 459 but shall show only actual yardage in the piece.
 460

461 (b) One-piece ticket shall be required for each length (whether a regular length or a short length as
 462 outlined in paragraph (a) above) showing gross yardage. Information on the ticket shall be specified
 463 in the applicable requirements for preparation for delivery.
 464

465 (c) Where permitted, when two or more pieces are put up on the same roll and the roll is shipped
 466 unwrapped, one ticket shall be attached to each piece and one additional ticket shall be attached to
 467 the roll.
 468

469 (d) Where permitted, when two or more pieces are put up on the same roll and the roll is shipped
 470 wrapped, one ticket shall be attached to each piece and two additional tickets shall be attached to the
 471 roll. One of the additional tickets shall be inserted in the paper tube and the other such additional
 472 ticket so positioned that, though covered by the wrapping, it can be readily located and drawn. An
 473 "X" marked on the outside wrapping shall indicate the position of the latter ticket.
 474

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

479 (3) PACKAGING AND MARKING OF SHORT LENGTH:
480

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

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

489 (End of TQ Requirement)
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492 **RQ006: QUALITY CONFORMANCE INSPECTION REQUIREMENTS**

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

495 (2) Specifications Standards:

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

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

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

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

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

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

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

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

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

506 (3) Requirements:

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

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

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

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

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

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

- 520 (4) Quality Assurance Provisions:
- 521 (a) Sampling for quality conformance inspection shall be as specified in the contract.
- 522 (b) The following classification of characteristics shall apply, unless otherwise specified:
- 523 (i) Critical:
- 524 (a) Diametrical and linear dimensions having a total tolerance of 0.001 inch (0.025 MM) or
525 less.
- 526 (b) Surface finishes having a 16 rms value or less.
- 527 (c) Geometric Tolerances having a tolerance of 0.002 inch (0.051 MM) or less.
- 528 (d) Nondestructive tests - Magnetic particle inspection, Liquid penetrant inspection,
529 Ultrasonic testing, Radiographic testing, etc.
- 530 (ii) Major:
- 531 (a) Diametrical and linear dimensions having a total tolerance greater than 0.001 inch (0.025
532 MM) up to and including 0.005 inch (0.1270 MM).
- 533 (b) Surface finishes having specified rms values over 16 but less than or equal to 63.
- 534 (c) Geometric Tolerance having a tolerance greater than 0.002 inch (0.051 MM) and equal
535 to or less than 0.008 inch (0.2032 MM).
- 536 (d) Threads specified to Class 3 tolerances.
- 537 (iii) Minor:
- 538 (a) Diametrical and linear dimensions having a total tolerance in excess of 0.005 inch
539 (0.1270 MM).
- 540 (b) Surface finishes specified to rms values in excess of 63.
- 541 (c) Visual and dimensional characteristics that are found to be nonconforming with the
542 requirements of the applicable drawing and the requirements are contractual nonconformances.
- 543 (d) Chemical Test Lot - For chemical analysis, a test lot shall consist of one heat or melt of material
544 regardless of product sizes/shapes produced.
- 545 (e) Mechanical Test Lot - For mechanical testing, when heat treatment is a technical requirement, a
546 lot shall consist of:

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

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

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

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

(End of TQ Requirement)

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598 **RQ007: QUALIFIED MANUFACTURERS LIST (QML) INTEGRATED CIRCUITS, HYBRID**
599 **MICROCIRCUITS, AND SEMICONDUCTOR DEVICES – DLA MARITIME**

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

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

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

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

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

(End of TQ Requirement)

627 **RQ008: WARRANTY OF INDUSTRIAL PLANT EQUIPMENT (IPE) FEDERAL SUPPLY**
628 **GROUP (FSG) 34**
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630 (1) The contractor warrants that for one year all supplies furnished under this contract will be free from
631 defects in material and workmanship and will conform to all requirements of this contract. Warranty
632 period begins from the date of acceptance.

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

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

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

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

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

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

657 (8) Remedies available to the Government.

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

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

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

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

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

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

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

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

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

689 (End of TQ Requirement)

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

692

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

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

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

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

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

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

715 (End of TQ Requirement)

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717 **RQ010: DATA NAME PLATES**

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

724

725 a) National stock number

726

727 b) Procurement Instrument Identification Number

728

729 c) Specification data

730

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

732

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

734

735 f) Manufacturer's model number

736

737 g) DIC approved manual number

738

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

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(End of TQ Requirement)

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747 **RQ011: REMOVAL OF GOVERNMENT IDENTIFICATION FROM NON-ACCEPTED**
748 **SUPPLIES**

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

754
755 (End of TQ Requirement)

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760 **RQ012: QUALIFIED PRODUCTS LIST (QPL) CONNECTOR ASSEMBLIES AND QPL**
761 **ELECTRICAL CONTACTS**
762

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

767
768 (End of TQ Requirement)
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772 **RQ013: QUALIFIED SUPPLIERS LIST OF MANUFACTURERS (QSLM) FOR GUN PARTS**

773
774 This is a qualified item. DLA Directive (DLAD) Procurement Note “M02 Qualified Suppliers List of
775 Manufacturers (QSLM) for Gun Parts Federal Supply Class (FSCs) 1005, 1010, 1015, 1025, 1055, and
776 1095” applies. The full text of M02 is in the DLAD Procurement Notes located on the Web at:
777 <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx>.

778
779 (End of TQ Requirement)

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

787
788 This is a qualified item. The DLA Directive (DLAD) Procurement Note “M01 Qualified Suppliers for
789 Federal Supply Class (FSC) 5961 Semiconductors and Hardware Devices and FSC 5962 Electronic
790 Microcircuits” applies. The full text of M01 is in the DLAD Procurement Notes located on the Web at:
791 <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx>.

792
793 (End of TQ Requirement)
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796 **RQ015: QUALIFIED SUPPLIERS LIST FOR MANUFACTURERS (QSLM)/QUALIFIED**
797 **SUPPLIERS LIST FOR DISTRIBUTORS FOR TROOP SUPPORT**

798
799 This is a qualified item. The DLA Directive (DLAD) Procurement Note “M03 Qualified Suppliers List
800 for Manufacturers (QSLM)/Qualified Suppliers List for Distributors (QSLD) for Troop Support”
801 applies. The full text of procurement note M03 can be found in the DLAD Procurement Notes located
802 on the Web at: <http://www.dla.mil/HQ/Acquisition/Offers/eProcurement.aspx>.

803 (End of TQ Requirement)

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805 **RQ016: COMPONENT QUALIFIED PRODUCTS LISTS (QPL)/QUALIFIED**
806 **MANUFACTURERS LISTS (QML)**
807

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

813 (End of TQ Requirement)
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815 **RQ017: PHYSICAL IDENTIFICATION/BARE ITEM MARKNG**

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

820

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

825

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

829

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

832

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

835

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

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(End of TQ Requirement)

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843 **RQ018: CONTRACTOR RETENTION OF SUPPLY CHAIN TRACEABILITY**
844 **DOCUMENTATION (AUG 2016)**

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

849 (End of TQ Requirement)
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851 **RT001: MEASURING AND TEST EQUIPMENT**

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

857
858 (End of TQ Requirement)