MILITARY SPECIFICATION
STEEL Grit, SHOT, AND CUT WIRE SHOT;
AND IRON GRIT AND SHOT-BLAST
CLEANING AND PEENING

This specification is approved for use within
the Department of the Air Force and is available
for use by all Departments and Agencies of the
Department of Defense.

1. **SCOPE.**

1.1 **Scope.** This specification covers cast iron or hardened cast steel grit and shot for blast cleaning of castings, forgings, ship hulls and decks, or other parts prior to use for the removal of sand, slag, rust, and marine incrustations; and also cast iron or hardened cast steel shot, or cut steel wire shot for peening the surface of metals.

1.2 **Classification.**

1.2.1 **Grit and shot.** Grit and shot shall be of the following types as specified (See 6.2):

- **Type I** - Cast steel (grit and shot)
- **Type II** - Cast iron (grit and shot)
- **Type III** - Steel cut wire (shot only)

1.2.2 **Sizes.** Grit, shot and cut wire shall be furnished in the sizes shown in Tables II, III, and IV as specified (See 6.2).

2. **APPLICABLE DOCUMENTS.**

2.1 **Government documents.**

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: WR-ALC/MMIRFW, Robins AFB, GA 31098-5609 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

DISTRIBUTION STATEMENT A: Approved for public release; distribution is unlimited.
2.1.1 Specifications and standards. The following specifications and standards form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of these documents shall be those listed in the issue of the Department of Defense Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation.

SPECIFICATIONS

Federal

QQ-W-423  Wire, Steel, Corrosion Resisting
RR-S-366  Sieve Test
UU-S-48   Sacks, Shipping, Paper
PPP-D-723 Drums, Fiber

STANDARDS

Federal

Federal Test Method Standard No. 151 Metal, Test Methods

Military

MIL-STD-105  Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-129  Marking for Shipment and Storage
MIL-STD-147  Palletized Unit Loads

(Copies of specifications, standards, handbooks, drawings, publications, and other Government documents required by contractors in connection with specific acquisition functions should be obtained from the contracting activity or as directed by the contracting activity.)

2.2 Other publications. The following document(s) form a part of this specification to the extent specified herein. Unless otherwise specified, the issues of the documents which are DOD adopted shall be those listed in the issue of the DODISS specified in the solicitation. Unless otherwise specified, the issues of documents not listed in the DODISS shall be the issue of the nongovernment documents which is current on the date of the solicitation.

American Society for Testing And Materials Publications

ASTM D 1214-58  Sieve Analysis of Glass Spheres

(ASTM Standards may be purchased from the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19103)

Uniform Classification Committee

Uniform Freight Classification Rules

(Application for copies should be addressed to the Uniform Classification Committee, 202 Chicago Union Station, Chicago, IL 60606.)
2.3 **Order of precedence.** In the event of a conflict between the text of this specification and the references cited herein (except for associated detail specifications, specification sheets or MS standards), the text of this specification shall take precedence. Nothing in this specification, however, shall supersede applicable laws and regulations unless a specific exemption has been obtained.

3. **REQUIREMENTS.**

3.1 **Material.**

3.1.1 Type I cast steel grit and shot, and Type II cast iron grit and shot, shall be made from materials complying in chemical composition as specified in Table I.

<table>
<thead>
<tr>
<th>Type</th>
<th>Carbon %</th>
<th>Silicon %</th>
<th>Manganese %</th>
<th>Phosphorus %</th>
<th>Sulfur %</th>
<th>Other Elements %</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>0.85-1.20</td>
<td>0.40-1.50</td>
<td></td>
<td>0.05 max.</td>
<td>0.05 max.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Shot size</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>330-330</td>
<td>0.7-1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>230-280</td>
<td>0.6-1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>170-190</td>
<td>0.5-1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>70-130</td>
<td>0.35-1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>II</td>
<td>2.75-3.60</td>
<td>2.20 max.</td>
<td>0.50 max.</td>
<td>0.30 max.</td>
<td>0.20 max.</td>
<td>0.25 max.</td>
</tr>
</tbody>
</table>

3.1.2 Type III cut steel wire shot shall be made from corrosion resisting steel wire conforming to QQ-W-423.

3.2 **Breakdown resistance.** The grit and shot shall withstand the necessary impact in use without excessive breaking or deformation of the particles.

3.3 **Shape and surface condition.**

3.3.1 **Grit.** Type I and Type II grit shall consist entirely of angular particles produced by crushing cast iron or heat treated cast steel, and shall be free as far as practicable from rounded particles.

3.3.2.1 Cast steel or cast iron shot shall be spherical in shape and free as far as practical from elongated and angular particles.

3.3.3 **Shot.** Type III

3.3.3.1 Cut steel wire shot shall be free from dust, grit, oil, grease, wire-drawing lubricants or other contaminants. The shot shall be free from shear cracks and laps, shall not contain excessive seams or burrs, and shall be preused or otherwise conditioned to eliminate sharp edges and shall form ball shaped shot. Some partially conditioned shot shall be acceptable provided the edges are rounded and the weight of 50 pieces or length of 10 pieces meet the limits of Table IV.
3.4 **Hardness.**

3.4.1 **Grit and shot, Type I.** Unless otherwise specified in procurement documents, cast steel grit and shot shall have a hardness range equivalent of Rockwell C-42 to C-52.

3.4.2 **Grit and shot, Type II.** Unless otherwise specified in procurement documents, cast-iron grit and shot shall have a hardness ranging from 240 to 840 Vickers Pyramid numbers or Rockwell hardness equivalent numbers C-20 to C-65. This hardness may be obtained, if necessary, by heat treatment. Such heat treated material may be ordered to a specified hardness range of about 120 Vickers Pyramid hardness numbers.

3.4.2 **Cut steel wire shot, Type III.** Cut steel wire shot shall have the following hardness:

<table>
<thead>
<tr>
<th>Shot Size</th>
<th>Minimum hardness</th>
</tr>
</thead>
<tbody>
<tr>
<td>CW-62</td>
<td>36</td>
</tr>
<tr>
<td>CW-54</td>
<td>39</td>
</tr>
<tr>
<td>CW-47</td>
<td>41</td>
</tr>
<tr>
<td>CW-41</td>
<td>42</td>
</tr>
<tr>
<td>CW-35</td>
<td>44</td>
</tr>
<tr>
<td>CW-32</td>
<td>45</td>
</tr>
<tr>
<td>CW-28</td>
<td>46</td>
</tr>
<tr>
<td>CW-23 and finer</td>
<td>48</td>
</tr>
</tbody>
</table>

3.5 **Microstructure.** The microstructure of cast steel material shall consist of uniformly tempered martensite with fine, well distributed carbides. Any microstructure sample for cast steel shot shall exhibit no more than 15% particles containing cracks or draws. A crack is linear discontinuity with length greater than three times the width and length greater than 25% of the shot diameter. A draw is a recess in the shot surface which may be rounded but extends into the shot more than 25% of the shot diameter.

3.6 **Sizing.**

3.6.1 **Grit, Types I and II.** The individual sizes of grit shall conform to the requirements of Table II.

3.6.2 **Shot, Types I and II.** The individual sizes of shot shall conform to the requirements of Table III.

3.6.3 **Cut steel wire shot, Type III.** The individual sizes of cut steel wire shot, as cut, shall be single-size, cylindrical cuttings and conform to the requirements of Table IV. This includes either the length of ten pieces found in column three, or, as an alternate, the weight of fifty pieces found in column four. When conditioned into ball form shapes, column four requirements only shall apply.

3.7 **Reclaimed materials.** The grit and shot shall contain reclaimed materials to the maximum extent possible without jeopardizing the material quality or performance of the equipment. The reclaimed material shall be reprocessed, remanufactured, or recycled in a manner which restores them to the same chemical composition and physical properties as the material originally selected for use on the bit assemblies. Reclaimed materials shall be inclusive of all alloying elements applicable that have been collected from discarded solid, liquid, or gaseous waste from garbage, refuse, sludge, and from other collections of materials.

3.8 **Workmanship.** The grit and shot shall be free from defective and foreign material which will affect the serviceability. It shall be manufactured in accordance with high grade commercial practice.
### TABLE II - Screening Tolerance for Grit.

<table>
<thead>
<tr>
<th>Grit Size</th>
<th>Percent Retained (Maximum)</th>
<th>On Screen Number and aperture</th>
<th>Percent Retained (minimum)</th>
<th>On Screen Number and aperture</th>
<th>Percent Passing (maximum)</th>
<th>Through Screen number and aperture</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>0</td>
<td>10(0.0787)</td>
<td>80</td>
<td>14(0.0555)</td>
<td>10</td>
<td>16(0.0469)</td>
</tr>
<tr>
<td>16</td>
<td>0</td>
<td>12(0.0661)</td>
<td>75</td>
<td>16(0.0469)</td>
<td>15</td>
<td>18(0.0394)</td>
</tr>
<tr>
<td>18</td>
<td>0</td>
<td>14(0.0555)</td>
<td>75</td>
<td>18(0.0394)</td>
<td>15</td>
<td>25(0.0278)</td>
</tr>
<tr>
<td>25</td>
<td>0</td>
<td>16(0.0469)</td>
<td>70</td>
<td>25(0.0278)</td>
<td>20</td>
<td>40(0.0165)</td>
</tr>
<tr>
<td>40</td>
<td>0</td>
<td>18(0.0394)</td>
<td>70</td>
<td>40(0.0165)</td>
<td>20</td>
<td>50(0.0117)</td>
</tr>
<tr>
<td>50</td>
<td>0</td>
<td>25(0.0278)</td>
<td>65</td>
<td>50(0.0117)</td>
<td>25</td>
<td>80(0.0070)</td>
</tr>
<tr>
<td>80</td>
<td>0</td>
<td>40(0.0165)</td>
<td>65</td>
<td>80(0.0070)</td>
<td>25</td>
<td>120(0.0049)</td>
</tr>
<tr>
<td>120</td>
<td>0</td>
<td>50(0.0117)</td>
<td>60</td>
<td>120(0.0049)</td>
<td>30</td>
<td>200(0.0029)</td>
</tr>
</tbody>
</table>

**NOTE:** Percentages given on the basis of weight as determined by the test procedure for grit.

### TABLE III - Screening Tolerances for Shot.

<table>
<thead>
<tr>
<th>Shot No.</th>
<th>No.</th>
<th>Size</th>
<th>No.</th>
<th>Size</th>
<th>No.</th>
<th>Size</th>
<th>No.</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>930</td>
<td>5</td>
<td>.157</td>
<td>6</td>
<td>.132</td>
<td>8</td>
<td>.0937</td>
<td>10</td>
<td>.0787</td>
</tr>
<tr>
<td>780</td>
<td>6</td>
<td>.132</td>
<td>7</td>
<td>.111</td>
<td>10</td>
<td>.0787</td>
<td>12</td>
<td>.0661</td>
</tr>
<tr>
<td>660</td>
<td>7</td>
<td>.111</td>
<td>8</td>
<td>.0937</td>
<td>12</td>
<td>.0661</td>
<td>14</td>
<td>.0555</td>
</tr>
<tr>
<td>550</td>
<td>8</td>
<td>.0937</td>
<td>10</td>
<td>.0787</td>
<td>14</td>
<td>.0555</td>
<td>16</td>
<td>.0469</td>
</tr>
<tr>
<td>460</td>
<td>10</td>
<td>.0787</td>
<td>12</td>
<td>.0661</td>
<td>16</td>
<td>.0469</td>
<td>18</td>
<td>.0394</td>
</tr>
<tr>
<td>390</td>
<td>12</td>
<td>.0661</td>
<td>14</td>
<td>.0555</td>
<td>18</td>
<td>.0394</td>
<td>20</td>
<td>.0331</td>
</tr>
<tr>
<td>330</td>
<td>14</td>
<td>.0555</td>
<td>16</td>
<td>.0469</td>
<td>20</td>
<td>.0331</td>
<td>25</td>
<td>.0278</td>
</tr>
<tr>
<td>290</td>
<td>16</td>
<td>.0469</td>
<td>18</td>
<td>.0394</td>
<td>25</td>
<td>.0278</td>
<td>30</td>
<td>.0234</td>
</tr>
<tr>
<td>230</td>
<td>18</td>
<td>.0394</td>
<td>20</td>
<td>.0331</td>
<td>30</td>
<td>.0234</td>
<td>35</td>
<td>.0197</td>
</tr>
<tr>
<td>190</td>
<td>20</td>
<td>.0331</td>
<td>25</td>
<td>.0278</td>
<td>35</td>
<td>.0197</td>
<td>40</td>
<td>.0165</td>
</tr>
<tr>
<td>170</td>
<td>25</td>
<td>.0278</td>
<td>30</td>
<td>.0232</td>
<td>40</td>
<td>.0165</td>
<td>45</td>
<td>.0139</td>
</tr>
<tr>
<td>150</td>
<td>30</td>
<td>.0234</td>
<td>35</td>
<td>.0197</td>
<td>45</td>
<td>.0139</td>
<td>50</td>
<td>.0117</td>
</tr>
<tr>
<td>110</td>
<td>35</td>
<td>.0197</td>
<td>40</td>
<td>.0165</td>
<td>50</td>
<td>.0117</td>
<td>80</td>
<td>.0070</td>
</tr>
<tr>
<td>70</td>
<td>40</td>
<td>.0165</td>
<td>45</td>
<td>.0139</td>
<td>80</td>
<td>.0070</td>
<td>120</td>
<td>.0049</td>
</tr>
</tbody>
</table>

**NOTE:** Percentages given on the basis of weight as determined by the test procedures for shot.
TABLE IV - Cut Steel Wire Shot Size Classification.

<table>
<thead>
<tr>
<th>Shot No.</th>
<th>Wire Diameter</th>
<th>Length of Ten Pieces</th>
<th>Weight of Fifty Pieces</th>
</tr>
</thead>
<tbody>
<tr>
<td>CW-62</td>
<td>0.0625 ± .002</td>
<td>0.620 ± .040</td>
<td>1.09 — 1.33</td>
</tr>
<tr>
<td>CW-54</td>
<td>0.054 ± .002</td>
<td>0.540 ± .040</td>
<td>0.72 — .88</td>
</tr>
<tr>
<td>CW-47</td>
<td>0.047 ± .002</td>
<td>0.470 ± .040</td>
<td>0.48 — .58</td>
</tr>
<tr>
<td>CW-41</td>
<td>0.041 ± .002</td>
<td>0.410 ± .040</td>
<td>0.31 — .39</td>
</tr>
<tr>
<td>CW-35</td>
<td>0.035 ± .001</td>
<td>0.350 ± .030</td>
<td>0.20 — .24</td>
</tr>
<tr>
<td>CW-32</td>
<td>0.032 ± .001</td>
<td>0.320 ± .030</td>
<td>0.14 — .18</td>
</tr>
<tr>
<td>CW-28</td>
<td>0.028 ± .001</td>
<td>0.280 ± .030</td>
<td>0.10 — .12</td>
</tr>
<tr>
<td>CW-23</td>
<td>0.023 ± .001</td>
<td>0.230 ± .020</td>
<td>0.05 — .07</td>
</tr>
<tr>
<td>CW-20</td>
<td>0.020 ± .001</td>
<td>0.200 ± .020</td>
<td>0.04 — .05</td>
</tr>
</tbody>
</table>

1. See 4.3.5.2
2. See 4.3.5.3

4. QUALITY ASSURANCE PROVISIONS.

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified, the supplier may utilize his own facilities or any commercial laboratory acceptable to the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements.

4.1.1 Responsibility for compliance. All items must meet all requirements of section 3 and 5. The inspection set forth in this specification shall become a part of the contractor's overall inspection system or quality program. The absence of any inspection requirements in the specification shall not relieve the contractor of the responsibility of assuring that all products or supplies submitted to the government for acceptance comply with all requirements of the contract. Sampling in quality conformance does not authorize submission of known defective material, either indicated or actual, nor does it commit the Government to acceptance of defective material.

4.1.2 Inspection lot. For purposes of sampling, a lot shall consist of all grit or shot of the same type, grade, and size manufactured as one batch and offered for delivery at one time.

4.1.3 Sampling for inspection of containers. A random sample of filled containers shall be selected from each lot in accordance with MIL-STD-105, Inspection Level I, using an Acceptable Quality Level of 2.5 percent defective to verify compliance to this specification regarding fill, closure, marking, and other requirements not involving tests.

4.1.4 Sampling for quality conformance tests. From each inspection lot, two containers shall be selected at random. The material from each container shall be quartered or riffled by the method described in ASTM D 1214-58, paragraph 4, except that 500 grams of grit or shot shall be used for tests. Each of the samples thus obtained shall be subjected to all of the prescribed tests. If either of the samples fails one
or more of these tests, the lot shall be rejected. Rejected lots may be resubmitted for quality conformance tests, provided the supplier has removed or reworked all nonconforming products.

4.2 Quality Conformance Inspection. Quality conformance inspection shall consist of the following tests:

a. Chemical composition (See 3.1).

b. Shape and surface condition (See 3.3).

c. Hardness (See 3.4).

d. Microstructure (See 3.5).

e. Sizing (See 3.6).

4.3 Test Methods.

4.3.1 Chemical composition. The chemical composition of grit and shot as specified in 3.1 shall be determined in accordance with procedures outlined in Federal Test Method Standard No. 151.

4.3.2 Shape and surface condition. The shape and surface condition of grit and shot as specified in 3.3 shall be determined by visual examination. Particles selected at random from the samples in 4.1.3 shall be spread in a single layer on a suitable flat surface and examined visually with the aid of suitable lighting and magnification for single view identification and count of nonconforming particles. Areas selected for counting shall have a 70% site occupancy (70% of area obscured by particles).

4.3.3 Hardness. The hardness of the grit and shot as specified in 3.4 shall be determined in accordance with procedures outlined in Federal Test Method Standard No. 151. At least 20 particles shall be selected from the samples in 4.1.3. For small size grit and shot, when necessary, hardness may be determined with a micro hardness test machine using a knoop indenter and a 1 kilogram load, and then converting to Rockwell C. The average hardness of the 20 particles shall conform to the specified requirement.

4.3.4 Microstructure. The microstructure of cast steel as specified in 3.5 shall be determined by metallographic examination procedure after preparation as outlined in Federal Test Method Standard No. 151. Particles selected at random from the samples in 4.1.3 shall be used for this test.

4.3.5 Sizing.

4.3.5.1 Screening tests. The size of grit and shot, Type I and II, as specified in 3.6.1 and 3.6.2, shall be determined by using 100-gram portions of samples in 4.1.3, and screening as follows: using standard testing sieves in accordance with RR-S-366, nest the required sieves in ascending order with a pan on the bottom. Place the 100 gram sample in the top sieve and place the nested sieves in a rotating and tapping type of shaking machine. The rotating speed shall be 275 to 295 rotations per minute, and 145 to 160 taps per minute. Shaking and tapping shall be continued for 5 minutes: 5 seconds when a nominal sieve size of 35 or coarser is used. For nominal sizes finer than 35 sieve, shaking shall continue for 10 minutes ± 5 seconds. After shaking, the percentage of material on each screen shall be determined by weighing.

4.3.5.1.1 Interpretation of screening results. Any two identically numbered U.S. Standard Test Sieves can give different weight percent results for the same shot sample because of the tolerance on average opening size permitted by RR-S-366 (and ASTM E 11 referenced therein). Tables II and III define grit and shot sizes in terms of such sieves. Therefore, the weight percent requirements expressed in these tables apply even under adverse tolerance conditions of test sieve average opening size. For example, in Table III the "Max. 5% On Screen" applies in conjunction with the smallest, and "Cumulative Min. 85% On
Screen" applies with the largest average opening sizes permitted by RR-S-366 for their respectively listed test sieves.

4.3.5.2 **Size of cut wire shot.** The size of as-cut steel wire shot as specified in 3.6.3, shall be determined as follows: ten random particles from each sample in 4.1.3, shall be metallographically mounted, ground, and polished to the centerline of the cylinder longitudinal section and the combined length of these ten particles measured for compliance with Table IV.

4.3.5.3 **Weight of cut wire shot.** The weight of cut steel wire shot either as-cut or conditioned as specified in 3.6.3 shall be determined as follows: Fifty particles selected at random from samples in 4.1.3 shall be weighed for compliance with the requirements of Table IV.

5. **PACKAGING**

5.1 **Packing and palletizing.** Packing shall be Level A, B, or C as specified (See 6.2). When specified, the containers for Level A or B shall be palletized in accordance with MIL-STD-147. When palletizing is specified for Level C, the pallet shall be the four way commercial expendable type.

5.1.1 **Level A.** For overseas shipment, the grit or shot shall be packed in unit quantities of 100 pounds in fiber drums conforming to PPP-D-723, Type III.

5.1.2 **Level B.** For domestic shipment and storage, the grit or shot shall be packed in unit quantities of 50 pounds in shipping sacks conforming to UU-S-48, Type II, Grade 15-15X.

5.1.3 **Level C.** For domestic shipment and immediate use, the grit or shot shall be packed in accordance with the suppliers commercial practice in a manner to assure protection against damage from the supply source to the first receiving activity. Shipping containers shall comply with the Uniform Freight Classification Rules, or regulations of other carriers as applicable to the mode of transportation.

5.2 **Marking for Shipment and Storage** shall be in accordance with MIL-STD-129.

6. **NOTES**

6.1 **Intended use.**

6.1.1 Type I and II grit is for use in commercial blast cleaning equipment for general blast cleaning purposes as specified in 1.1.

6.1.2 Type I, II, and III shot is for use in peening metal surfaces to impart compressive stresses to these surfaces thereby increasing fatigue resistance, or for general blast cleaning purposes where the cutting action of grit is undesirable.

6.2 **Ordering data.** Procurement documents should specify the following:

a. Title, number, and date of this specification.

b. Type of and whether grit or shot is required (see 1.2.1).

c. Size of Grit, shot, or cut wire (see 1.2.2).

d. Hardness range, when required (see 3.4.1 or 3.4.2).

e. Level of packing, and palletization (see 5.1).
6.3 **Subject term (Key Word) listing.**

Cleaning
Cut wire shot
Iron grit
Peening
Steel grit

6.4 **Military part number.** The military part number for this item is M851-1.

6.5 **Changes from previous issue.** The margins of this specification are marked with vertical lines to indicate where changes (additions, modifications, corrections, deletions) from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirement of this document based on the entire content irrespective of the marginal notations or relationship to the last previous issue.

**Custodians:**

Air Force-99
Army-MR
Navy-SH

**Preparsing Activity:**

Air Force-84
Project Number. 5350-0017

**Reviewers:**

Navy -AS,OS

9/(10 blank)
INSTRUCTIONS: In a continuing effort to make our standardization documents better, the DoD provides this form for use in submitting comments and suggestions for improvements. All users of military standardization documents are invited to provide suggestions. This form may be detached, folded along the lines indicated, taped along the loose edge (DO NOT STAPLE), and filed. In block 5, be as specific as possible about particular problem areas such as wording which required interpretation, was too rigid, restrictive, loose, ambiguous, or was incompatible, and give proposed wording changes which would alleviate the problems. Enter in block 6 any remarks not related to a specific paragraph of the document. If block 7 is filled out, an acknowledgement will be mailed to you within 30 days to let you know that your comments were received and are being considered.

NOTE: This form may not be used to request copies of documents, nor to request waivers, deviations, or clarification of specification requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

OFFICIAL BUSINESS PENALTY FOR PRIVATE USE $300

BUSINESS REPLY MAIL
FIRST CLASS PERMIT NO. 4966 Alexandria, VA
POSTAGE WILL BE PAID BY

WR-ALC/MMIRFW
Robins AFB GA 31098-5609