

DEPARTMENT OF THE ARMY SUPPLY BULLETIN

Storage Serviceability Standard for USAECOM Materiel

POWER SUPPLIES (FSC 6625)

Headquarters, Department of the Army, Washington, D. C.

3 April 1970

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SECTION I.

INTRODUCTION

1. Purpose. This bulletin provides a storage serviceability standard which establishes uniform criteria for determining the acceptability of the items designated herein for continued storage and/or issue, on the condition that all specifications and requirements applicable to the items have previously been met at the time of receipt from new procurement or

after repair, overhaul, or rebuild by a CONUS depot maintenance shop.

2. Scope. This bulletin applies to all activities engaged in the receipt, storage, and issue of USAECOM power supplies (FSC 6625) listed in appendix B with the applicable Federal stock number.

3. General. It is the Army's objective to attain and maintain a constant materiel readiness status for materiel in depot stocks. The scope of such an objective is of such magnitude that only general guidelines are provided by chapter 3, section VIII of TM 743-200-1 for the quality evaluation of materiel in the custody of supply and storage activities. This standard supplements TM 743-200-1 by providing a systematic procedure for storage cyclic inspection of the power supplies specified in paragraph 2 and indicates the limiting degree of deterioration damage, unsatisfactory storage practices, and other characteristics which are acceptable. It also establishes the basis for identifying materiel requiring segregation remedial care and preservation or reclassification action. Applicable requirements of the standard may be used for performing receipt and preshipment quality control inspections.

4. Definitions. a. Definitions for the majority of specialized terms used can be found in MIL-STD-109B.

b. Definitions for other specialized terms

are as follows:

(1) *Storage serviceability standard.* A written procedure providing storage methods and standards and prescribing the necessary requirements for the surveillance of material in storage.

(2) *Storage quality level (SQL).* That quality level applicable to storage sampling inspection expressed in terms of percent defective or defects per 100 units, whichever is applicable, specified for a given group of defects of a product. It is the maximum allowable accidental departure from specification requirements which can be tolerated.

5. Reporting of Supply Bulletin Improvements. Reporting of errors, omissions, and recommendations for improving this publication by the individual user is encouraged. Reports should be submitted on DA Form 2028 (Recommended Changes to Publications) and forwarded direct to Commanding General, U. S. Army Electronics Command, ATTN AMSEL-ME-NMP-EM, Fort Monmouth, N. J. 07703.

SECTION II.

STORAGE AND SPECIAL INSTRUCTIONS

6. Preservation, Packaging, and Packing. Preservation packaging, and packing will be in accordance with the requirements listed in appendix C. Items designated by 17-digit code shall be preserved and packaged in accordance with MIL-STD-726; packing shall conform to the requirements specified in MIL-P-55585 (EL). Items designated by military specifications shall be preserved, packaged, and packed in accordance with the requirements in the cited specification. Items designated by an asterisk (*) shall be preserved, packaged, and packed in accordance with the special instructions cited for the item.

7. Marking. Marking will be in accordance with MIL-STD-129D.

8. Storage. a. *Type.* Controlled humidity warehouse or heated warehouse.

b. *Age Control.* Power supplies will be issued on a first-in-first-out (FIFO) basis by date of manufacture, or date of rebuild.

c. *Shelf Life.* Power supplies are subject to deterioration during storage and are required to be inspected and tested as specified in appendix D.

APPENDIX A

REFERENCES

MIL-P-14163	Power Supply PP-1243/U.
MIL-P-55585 (EL)	Packing and Marking Requirements for Southeast Asia and Stratcom and Preparation for Delivery Requirements of Electronics Equipment and Components.
MIL-STD-109B	Quality Assurance Terms and Definitions.
MIL-STD-129D	Marking for Shipment and Storage.
MIL-STD-726C	Packaging Requirements Code.
TM 743-200-1	Storage and Materials Handling.

APPENDIX B

FEDERAL STOCK NUMBERS AND TEST REQUIREMENTS

<i>Type</i>	<i>FSN</i>	<i>Publication</i>	<i>Test Requirements</i>
PP-713/PRM-15	6625-500-4463	REP 1438*	Perform all tests
PP-812/T	6625-569-0325	TM 11-5805-250-35	Paragraph 183.A
PP-962/U	6625-756-1500	TM 11-6625-455-50	Chapter 4
PP-1243/U	6625-542-6217	'REP 1318*	Perform all tests
PP-2234/U	6625-752-8746	REP 1388*	Perform all tests
PP-3514/U	6625-445-6933	TM 11-6625-617-45	Chapter 6
PP-3662/AAM-12	6625-889-1190	TM 11-6625-531-45	Chapter 5
PP-3663/AAM-12	6625-889-1189	TM 11-6625-531-45	Chapter 5
PP-3664/AAM-12	6625-889-1188	TM 11-6625-531-45	Chapter 5
PP-4565/AAM-12	6625-987-9011	TM 11-6625-531-45	Chapter 5

*These REP publications may be obtained from Commanding General, U.S. Army Electronics Command, ATTN: AMSEL-ME-NMP-PS, Fort Monmouth, N.J. 07703.

APPENDIX C

PRESERVATION, PACKAGING, AND PACKING

<i>Type</i>	<i>Requirements</i>
PP-713/PRM-15	4Q-1-1-00-00-JJ-X-ED-0-00-A
PP-812/T*	
PP-962/U*	
PP-1243/U	MIL-P-14163
PP-2234/U	4Q-1-1-00-00-JJ-X-ED-00-0-A
PP-3514/U	4Q-1-1-00-00-JJ-X-ED-0-00-A
PP-3662/AAM-12	4Q-1-1-00-00-JJ-X-ED-0-00-A
PP-3663/AAM-12	4Q-1-1-00-00-JJ-X-ED-0-00-A
PP-3664/AAM-12	4Q-1-1-00-00-JJ-X-ED-0-00-A
PP-4565/AAM-12	4Q-1-1-00-00-JJ-X-ED-0-00-A

1. Preservation and Packaging. Preservation and packaging shall be level A or C, as specified.

a. PP-812/T.

(1) *Level A.*

(a) *Cleaning.* Cleaning shall be accomplished in accordance with process C-1 of MIL-P-116.

(b) *Drying.* Drying shall be accomplished in accordance with the applicable procedure of MIL-P-116.

(c) *Preservation application.* None required.

(d) *Unit packaging.* Unit packaging shall be in accordance with the methods prescribed in MIL-P-116 and as specified in this appendix.

1. *Technical literature.* Each technical literature shall be packaged method 1C-1.

2. *Packaging development.* Each Power Supply PP-812/T shall be packaged individually in accordance with method IIB of MIL-P-116. Packaging shall be developed in accordance with method IIB, using kinds and types of materials which, when applied, will afford adequate protection against corrosion, deterioration and damage during worldwide shipment, handling, and storage. The outer container of a method IIB package shall conform to the requirements of PPP-

B-636, type CF, class weather-resistant. Closure shall be in accordance with the appendix of the box specification.

(2) *Level C.* Each Power Supply PP-812/T shall be preserved and packaged in a way that will afford adequate protection against corrosion deterioration and damage during shipment from the supply source to the first receiving activity.

b. PP-962/U.

(1) *Level A.*

(a) *Cleaning and drying.* Cleaning and drying shall be as indicated in *a(1)(a)* and *(b)* above.

(b) *Unit packaging.* Unit packaging shall be in accordance with the methods prescribed in MIL-P-116 and as specified in this appendix.

1. Each technical literature shall be packaged method 1C-1.

2. All electron tubes not securely clamped in place shall be removed and packaged individually in accordance with MIL-E-75.

3. Running spares, accessories, and ancillary items shall be packaged in accordance with MIL-E-17555.

(c) *Stowage within compartments.* When stowage space is provided in the equipment, the applicable items packaged as specified above will be stowed within the compartments provided. Overflow packages will be consolidated as specified in *(d)* below.

*Special packaging instructions (para 1, 2, and 3).

(d) *Consolidated package.* Consolidate the items packaged as specified above within a close-fitting fiberboard box conforming to PPP-B-636, type CF, class weather-resistant. Fill all voids with paperboard conforming to PPP-P-291, type III, to prevent movement. Box closure shall be as specified in the appendix of the box specification.

(e) *Packaging development.* Packaging shall be developed in accordance with method IIb, employing kinds and types of materials which, when applied, will afford adequate protection against corrosion deterioration and damage during worldwide shipment, handling and open storage: The outer container of a method IIb package shall conform to the requirements of PPP-B-636, type CF, class weather-resistant. Closure shall be in accordance with the appendix of the box specification.

(2) *Level C.* Each Power Supply PP-962/U shall be preserved and packaged in a manner that will afford adequate protection against corrosion deterioration and damage during shipment from the supply source to the first receiving activity.

2. Packing. Packing shall be level A, B, or C, as specified.

a. *PP-812/T.*

(1) *Level A.*

(a) Each Power Supply PP-812/T packaged as specified in paragraph 1, shall be packed in close-fitting boxes conforming to PPP-B-621, class 2, or box cleated plywood PPP-B-601 overseas type. Place the technical literature, packaged as specified in paragraph 1a(1)(d)1, on top of the packaged unit directly under the lid of the container.

(b) Closure shall be in accordance with the applicable container specification or appendix thereto.

(c) Metal strapping, conforming to QQ-S-781, type 1, class B, shall be applied to wood and wood-cleated shipping containers in accordance with the requirements of the applicable box specification or appendix thereto. Fiberboard shipping containers shall be reinforced by pressure-sensitive filament tape banding, or nonmetallic strapping conforming to PPP-T-97, type IV, and PPP-S-760, type [1, respectively; selection of the material and application shall be in accord-

ance with the appendix of the applicable box specification.

(2) *Level B.* Power Supply PP-812/T packaged as specified in paragraph 1, shall be packed as specified in a(1) above, except that the nailed wooden box shall conform to PPP-B-621, class 1 or PPP-B-601 class domestic.

(3) *Level C.* Power Supply PP-812/T shall be packed in shipping containers to afford adequate protection against damage to the package and its contents during shipment from the supply source to the first receiving activity. Shipping containers shall comply with the rules and regulations of the common carrier as applicable to the mode of transportation.

b. *PP-962/U.*

(1) *Level A.* Each Power Supply PP-962/U packaged as specified in paragraph 1 b, shall be packed in containers selected from table 1, based upon the most economical container required to provide minimum, adequate protection for the packaged item for this packing level of protection.

(a) *Container waterproofing.* When the containers being placed directly into the shipping container are not waterproofed, waterproofing shall be effected by use of an individual wrap or a caseliner conforming to MIL-L-10547, grade B, and appendix thereto, prior to packing. Dunnage not inclosed within the waterproof wrap or caseliner shall consist of materials treated to resist water. Wraps or caseliners may be omitted from fiberboard boxes provided all seams, corners and manufacturer's joint are waterproofed by sealing with tape, not less than 2 inches wide, conforming to PPP-T-76. The tape shall be centered over the seams and joints and shall extend over all corners and edges of the box a minimum of 2 inches onto the adjacent box panels. Tape shall be applied over the lengthwise seams of the outer flaps closing the openings of the box and over the manufacturer's joint prior to tape being applied to the edge seams of the box. The tape applied to the manufacturer's joint shall only fully cover the joint and not be extended over the corners of the box onto the adjacent panels .

(b) *Container closure.* Closure shall be in accordance with the applicable container

specification or appendix thereto.

(c) *Strapping and reinforcing.* Metal strapping conforming to QQ-S-781, type 1, class B shall be applied to wood and wood-cleated shipping containers in accordance with the requirements of the applicable box specification or appendix thereto. Fiberboard shipping containers shall be reinforced by pressure-sensitive filament tape banding or non-metallic strapping conforming to PPP-T-97, type IV and PPP-S-760, type II, respectively; selection of the material and application shall be in accordance with the appendix of the applicable box specification.

(2) *Level B.* Power Supply PP-962/U packaged as specified in paragraph 1 above shall be packed as specified in paragraph

2a except that level B containers of table 1 shall apply and paragraph 2a(1) shall not apply.

(3) *Level C.* Power Supply PP-962/U shall be packed in shipping containers in a manner that will afford adequate protection against damage to the package and its contents during shipment from the supply source to the first receiving activity. Shipping containers shall comply with the rules and regulations of the common carrier as applicable to the mode of transportation.

3. *Inspection.* Inspection of military packaging shall be in accordance with MIL-P-116.

Table 1. Container Requirements.

Container	Specification	For level A	For level B	Max gross w t limitation (lb)
Boxes, wood, nailed and lock-corner, style 4	PPP-B-621	Class 2	Class 1	200 (note 1)
Boxes, wood, nailed and lock-corner, style 7	PPP-B-621	Class 2	Class 1	1,000 (note 2)
Box, cleated plywood	PPP-B-601	Overseas type	Domestic type	200 (note 1)
Boxes, fiberboard, corrugated, triple-wall, style E	PPP-B-640	Class 2	Class 2	200 (note 1)
Box, fiberboard, type CF	PPP-B-636	Class weather-resistant	Class weather-resistant	(Note 3)

Notes.

1. When the weight of a single item, together with the shipping container exceeds 200 pounds, the maximum gross weight limitation of the container specification shall apply. Also, skids, or palley bases, shall be applied in accordance with the requirements of the container specification, or if not specified in the specification, in a way that will adequately support the item and facilitate the use of material handling equipment.

2. Style 7 containers conforming to PPP-B-621 shall be considered for use only when the weight of a single item exceeds 400 pounds. Covered Crates conforming to PPP-C-650 shall be used only when the weight of a single item exceeds 1,000 pounds. Sheathed crates conforming to MIL-C-104 shall be used only when the weight of a single item exceeds 4,000 pounds.

3. The maximum gross weight limitations for special requirements cited in PPP-B-636 shall apply.

APPENDIX D

STORAGE QUALITY ASSURANCE PROVISIONS

1. Index Number. The four-digit index number of this storage quality assurance provision (SQAP)(reserved for future use in automatic data processing) is to be assigned.

2. Federal Stock Number. Each item listed in appendix B, with its Federal stock number, is subject to the provisions of this SQAP.

3. Definitions. Special terms used in this SQAP are defined as follows:

a. Acceptance Quality Level (AQL). The nominal value expressed in terms of percent defective or defects per 100 units, whichever is applicable, specified for a given group of defects of a product. It is the maximum allowable accidental departure from specification requirements which can be tolerated.

b. Storage Quality Level (SQL). That quality level applicable to storage sampling inspection expressed in terms of percent defective or defects per 100 units, whichever is applicable, specified for a given group of defects of a product. It is the maximum allowable accidental departure from specification requirements which can be tolerated.

c. Defect. Any nonconformance of the unit of product with specified requirements.

d. Defective Unit. A unit of product which contains one or more defects.

e. Critical Defect. A defect that judgment and experience indicate is likely to result in hazardous or unsafe conditions for individuals using, maintaining, or depending on the product performance of the tactical function of a major end item, such as a ship, aircraft, tank, missile, or space vehicle.

f. Major Defect. A defect other than critical that could result in failure, or materially reduce the usability of the product for its intended purpose.

g. Minor Defect. A defect that does not materially reduce the usability of the unit of product for its intended purpose, or is a departure from established standards having little bearing on the effective use or operation of the unit.

h. Mechanical-Visual Inspection. An inspection by visual means to observe the item and /or its packaging and packing to detect deficiencies. Mechanical-visual inspection may require disassembly,

i. Technical Inspection. A complete functional inspection including disassembly, where required, and performance testing and /or laboratory testing.

4. Specifications. Technical Manuals, and Other Documents. The following documents, of the latest issue in effect, contain inspection and testing information data, and instructions applicable to these quality assurance provisions:

<i>Publication</i>	<i>Title</i>
DA Pam 310-4	Index of Technical Manuals, Technical Bulletins, Supply Manuals (types 7, 8, and 9), Supply Bulletins, and Lubrication Orders.
DA Pam 310-7	U.S. Army Equipment Index of Modification Work Orders.
AR 725-50	Requisitioning, Receipt, and Issue System.
MIL-P-116	Preservation, Methods of.
MIL-P-11268F	Parts, Materials and Processes Used In Electronic Communication Equipment.
MIL-M-13231A	Marking of Electronic Items.
MIL-STD-105D	Sampling Procedures and Tables for Inspection by Attributes.
MIL-STD-109B	Quality Assurance Terms and Definitions.
MIL-STD-129D	Marking for Shipment and Storage.
MIL-STD-130	Identification Marking of U.S. Military Property.
MIL-STD-252A	Wired Equipment, Classification of Visual and Mechanical Defects.
MIL-STD-726	Packaging Requirements Code.
TB SIG 355-1	Depot Inspection Standard for Repaired Signal Equipment.
TB SIG 355-2	Depot Inspection Standard for Refinishing Repaired Signal Equipment.

<i>Publication</i>	<i>Title</i>
TB SIG 355-3	Depot Inspection Standard for Mositure and Fungus Resistant Treatment.
TB SIG 355-4	Depot Inspection Standard for Balancing Rotating Parts and Assemblies.
TB 750-236	Calibration Requirements for the Maintenance of Army Material.
REP 1318*	Specific Standard for Power supply PP-1243/U.
REP 1388*	Specific Standard for Power Supply PP-2234/U.
REP 1438*	Specific Standard for Power supply PP-713/PRM.
TM 11-5805-250-35	DS, GS, and Depot Maintenance Manual: Terminals Telegraph AN/TCC-4 and AN/TCC-20 (TO 31 W1-2TCC-182).
TM 11-6625-455-50	Depot Maintenance Manual: Power Supply PP-962/U.
(C) TM 11-6625-531-45	GS and Depot Maintenance Manual: Test Set, Infrared Detector AN/AAM-12(U).
TM 11-6625-617-45	GS and Depot Maintenance Manual Including Repair Parts and Special Tool Lists: Power Supply PP-3514/U.

5. Other Directives.

<i>Publication</i>	<i>Title</i>
AR 795-17	General Policies and Principles for Furnishing Army Materiel on a Grant Aid Basis.
AR 795-204	General Policies and Principles for Furnishing Defense Articles and Services on a Sale or Loan Basis.

6. Inspection Criteria.

a. Lot Criteria.

(1) *Lot definition.* A lot is defined as a group of like items from which a sample is to be drawn and inspected to determine conformance with the acceptability criteria. The following are examples:

(a) A group of like items in storage which were received in a shipment with the following identical markings:

*These REP publications may be obtained from Commanding General, U S. Army Electronics Command ATTN: AMSEL-ME-NMP-PS, Fort Monmouth, N.J. 07703.

1. Purchase order number,
2. Date packaged or packed.
3. Depot certification stamp and date.

(b) A group of like items repaired or rebuilt by the Maintenance Division in one production run.

(2) *Lot information.* The items shall be assembled into identifiable lots. Each lot shall, as far as practicable, consist of units of product of a single type, grade, class, size and composition manufactured, repaired, or rebuilt at the same time and stored under the same conditions.

(3) *Lot size.* The lot size is the total number of individual like items in the lot that is to be inspected.

b. Sampling Procedure.

(1) *Sample selection.* Select samples of materiel in a way which will assure that each unit in the lot has an equal chance of being selected. Biased methods, such as selecting items from the same position in a container, pallets, or stacks; taking items all from one location; or selecting items that appear defective, will not be used.

(2) *Sample size.* Use table I of MIL-STD-105D, General Inspection Level II, to obtain the sample size code letter, and table II-A of MIL-STD-105D to obtain the sample size using the storage quality levels shown in (3) below.

(3) *Storage quality levels (SQL).*

(a) Mechanical-visual inspection: critical SQL 1.0 percent; major SQL 2.5 percent; minor SQL 10 percent.

(b) Electrical: critical SQL 1.0 percent; major SQL 2.5 percent.

(c) Preservation packaging, packing, and marking: major SQL 4.0 percent; minor SQL 10 percent.

(d) The acceptance or reject number for the above SQL's shall be the same as those shown for comparable acceptance quality levels (AQL's) in table II-A of MIL-STD-105D.

c. Inspection Requirements. The following mechanical-visual inspections shall be performed:

- (1) Inspect case for physical damage, condition, and finish.

(2) Inspect all controls and switches for proper operation and loose or missing hardware.

(3) Inspect all connectors, plugs, and cord receptacles for condition and damage.

(4) Inspect assembly for physical damage, condition missing parts, foreign objects, and finish.

(5) Inspect cabling and wiring for potential short circuits, cuts, breaks, fraying, deterioration, kinks, and strain.

(6) Inspect solder connections for missing solder, cold solder, insufficient solder, excessive solder, and improper wrap.

(7) Inspect for illegible, incorrect, or missing markings.

(8) Inspect for corrosion dirt, moisture, and fungus.

(9) Inspect all parts and hardware for damage and condition.

d. Test Requirements. Perform those tests that are specified for each power supply listed in appendix B.

e. Defect Classification.

(1) Mechanical-visual.

(a) Critical. Refer to the definition of a critical defect.

(b) Major.

1. Damage due to handling or storage (crushed, deformed, or broken).

2. Soldering: defects as listed in MIL-STD-252A.

3. Solderless connectors: defects as listed in MIL-STD-252A.

4. Cabling and wiring: defects as listed in MIL-STD-252A.

5. Hardware: defects as listed in MIL-STD-252A.

6. Foreign objects: defects as listed in MIL-STD-252A.

7. Potential short circuits: defects as listed in MIL-STD-252A.

8. Finish: defects as listed in MIL-STD-252A.

9. Marking: defects as listed in MIL-STD-252A.

10. Parts: defects as listed in MIL-STD-252A.

11. Contacts: defects as listed in MIL-STD-252A.

12. Plating, painting, or MFP missing.

13. Dimensional a dimensional defect which directly affects interchangeability, assembly, or operation.

(c) Minor.

1. Soldering: defects as listed in MIL-STD-252A.

2. Solderless connectors: defects as listed in MIL-STD-252A.

3. Cabling and wiring: defects as listed in MIL-STD-252A.

4. Hardware: defects as listed in MIL-STD-252A.

5. Finish: defects as listed in MIL-STD-252A.

6. Marking: defects as listed in MIL-STD-252A.

7. Parts: defects as listed in MIL-STD-252A.

8. Contacts: defects as listed in MIL-STD-252A.

(2) Electrical.

(a) Critical. Refer to the definition of a critical defect.

(b) Major. Any electrical defect, other than critical, that does not meet the requirements specified for each item shall be considered a major defect.

(c) Minor. None. All electrical defects shall be considered critical or major, as applicable.

(3) Packaging and marking, major.

(a) Use of improper or defective material.

(b) Quantity in unit package not as specified.

(c) Incorrect packaging method applied.

(d) Cushioning or padding omitted.

(e) Cushioning or padding inadequate for the protection of the barrier material from projections, sharp edges, or other similar features of the item.

(f) Cushioning inadequate for the physical and mechanical protection of the item.

(g) Unsealed, punctured, or improperly sealed barrier bag, wrap, or envelope.

(h) Stock number omitted, incorrect, or illegible.

(i) Nomenclature omitted, incorrect, or illegible.

(j) Marking of quantity of items in package omitted, incorrect, or illegible.

(k) Different stock numbered items in the same unit package.

(4) *Packaging and marking, minor.*

(a) Item not properly blocked or braced within the unit package to prevent movement.

(b) Packaging material damaged.

(c) Conforming or cushioning wraps are not snug fitting and contain voids.

(d) Air not expelled from barrier prior to sealing.

(e) Any item of marking information other than (3)(h), (i), and (j) above listed under major defects omitted, incorrect, or illegible.

(5) *Packing and marking, major.*

(a) Use of improper or defective material.

(b) Quantity in pack not as specified.

(c) Gross weight in excess of specified amount.

(d) Box closure not as specified.

(e) Type, grade, class, and style of the shipping container not as specified.

(f) Strapping omitted (when required).

(g) Strapping inadequate or incorrectly applied (when required).

(h) Items not adequately blocked, braced, or cushioned within the shipping container to prevent movement or damage.

(i) shipping documents or packing list omitted.

(j) Stock number omitted, incorrect, or illegible.

(k) Nomenclature omitted, incorrect, or illegible.

(1) Marking of quantities of items in pack omitted, incorrect, or illegible.

(m) Destination marking omitted, incorrect, or illegible.

(n) Special marking or labeling (when required) omitted, incorrect, or illegible.

(o) Oversea code marking (when required) omitted, incorrect, or illegible.

(6) *Packing and marking, minor.*

(a) Unsealed carton.

(b) Defective taping or sealing of carton.

(c) Any other box defect which may be considered minor by definition of MIL-STD-105D.

(d) Any item of required marking information other than (5)(j) through (o) above listed under major defects omitted, incorrect, or illegible.

f. *Calibration of Measuring and Test Equipment.* All measuring and test equipment shall have been calibrated and certified within its prescribed period, in accordance with TB 750-236 before use. Certification shall be affixed in such a way as to preclude any altering or tampering.

g. *Storage Inspection Records.* Results of inspections and tests shall be recorded on data sheets and a copy attached to each unit.

7. Inspection Frequency. a. Controlled humidity warehouse: 60 months.

b. Heated warehouse: 36 months.

c. Unheated warehouse: 18 months.

8. Type of Storage. Controlled humidity warehouse or heated warehouse.

9. Other Instructions. a. *Rejected Lots.* Each rejected lot shall be tagged and reclassified into the proper condition code in accordance with AR 725-50. For other than new material, all defective units in a lot shall be repaired, or disposition requested in accordance with AMC and depot procedures.

b. *Repackaging of Samples Inspected.* Restore the packaging of the samples inspected and accepted to the level of the lot from which the samples were drawn.

10. Special Requirements. If the subject items are allocated for Foreign Military Sales, Grant Aid, or Loan the following additional requirements must be met:

a. Policies and Special Conditions.

<i>Publication</i>	<i>Title</i>
AR 795-17	General Policies and Principles for Furnishing Army Materiel on a Grant Aid Basis.
AR 705-204	General Policies and Principles for Furnishing Defense Articles and Services on a Sale or Loan Basis.
DD Form 1513	Offer and Acceptance.

Note, Special terms, conditions, and agreements with the customer country and shown on the DD Form 1513 must be complied with as well as any special instructions from the responsible commodity command.

b. Basic Issue List Items (BILI). BILI deck, normally furnished to the depots by USAECOM BILI Office, Lexington Blue Grass Army Depot, Lexington, Ky. office symbol AMSEL-ME-NMP-MR-L, shall be used.

c. Level A Packaging and Packing. Level A packaging and packing is mandatory for Foreign Military Sales and Grant Aid shipments.

d. Depot Documentation. Depot documentation of final acceptance shall be furnished the ECOM quality check team *before* ECOM inspection.

By Order of the Secretary of the Army:

W. C. WESTMORELAND,
*General, United States Army,
Chief of Staff.*

Official:

KENNETH G. WICKHAM,
*Major General, United States Army,
The Adjutant General.*

Distribution:

Active Army:

CNGB (1)	USAMUCOM (3)
ACSC-E (2)	USAWECOM (3)
USAARENBD (1)	Armies (2)
USACDCCEA (1)	Corps (2)
USACDCCEA, Ft Huachuca (1)	USAESC (40)
USAMC (1)	USARV (5)
USCONARC (5)	Depots (2) except
ARADCOM (2)	SAAD (50)
OS Maj Comd (4)	LBAD (20)
USASTRATCOM (2)	TOAD (20)
LOGCOMD (2) except	LEAD (7)
1st LOGCOMD (5)	ANAD (10)
9th LOGCOMD (5)	ATAD (10)
USAMICOM (3)	Gen Dep (2)
USAECOM (3)	Sig Sec Gen Dep (5)
USATECOM (3)	Sig Dep (12)

NG: State AG (3).

USAR: None.

For explanation of abbreviations used, see AR 310-50

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN...JOT DOWN THE
DOPE ABOUT IT ON THIS FORM.
CAREFULLY TEAR IT OUT, FOLD IT
AND DROP IT IN THE MAIL.

SOMETHING WRONG WITH PUBLICATION

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

PUBLICATION DATE

PUBLICATION TITLE

BE EXACT PIN-POINT WHERE IT IS

PAGE
NO.

PARA-
GRAPH

FIGURE
NO.

TABLE
NO.

IN THIS SPACE, TELL WHAT IS WRONG
AND WHAT SHOULD BE DONE ABOUT IT.

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

THE METRIC SYSTEM AND EQUIVALENTS

WEIGHT MEASURE

1 Centimeter = 10 Millimeters = 0.01 Meters = 0.3937 Inches
 1 Meter = 100 Centimeters = 1000 Millimeters = 39.37 Inches
 1 Kilometer = 1000 Meters = 0.621 Miles

WEIGHTS

1 Gram = 0.001 Kilograms = 1000 Milligrams = 0.035 Ounces
 1 Kilogram = 1000 Grams = 2.2 lb.
 1 Metric Ton = 1000 Kilograms = 1 Megagram = 1.1 Short Tons

LIQUID MEASURE

1 Milliliter = 0.001 Liters = 0.0338 Fluid Ounces
 1 Liter = 1000 Milliliters = 33.82 Fluid Ounces

SQUARE MEASURE

1 Sq. Centimeter = 100 Sq. Millimeters = 0.155 Sq. Inches
 1 Sq. Meter = 10,000 Sq. Centimeters = 10.76 Sq. Feet
 1 Sq. Kilometer = 1,000,000 Sq. Meters = 0.386 Sq. Miles

CUBIC MEASURE

1 Cu. Centimeter = 1000 Cu. Millimeters = 0.06 Cu. Inches
 1 Cu. Meter = 1,000,000 Cu. Centimeters = 35.31 Cu. Feet

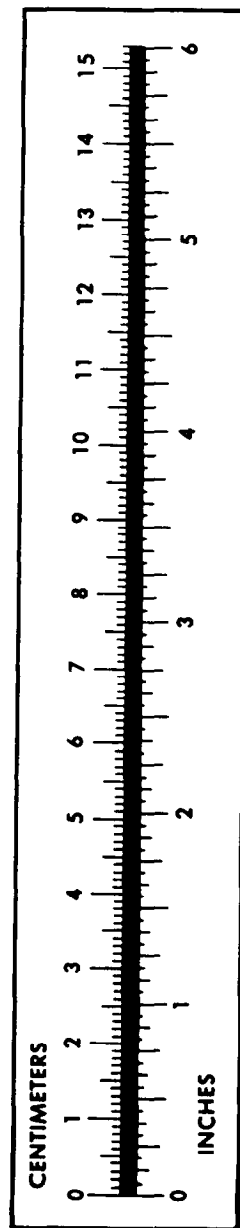
TEMPERATURE

$5/9(^{\circ}\text{F} - 32) = ^{\circ}\text{C}$
 212° Fahrenheit is equivalent to 100° Celsius
 90° Fahrenheit is equivalent to 32.2° Celsius
 32° Fahrenheit is equivalent to 0° Celsius
 $9/5^{\circ}\text{C} + 32 = ^{\circ}\text{F}$

APPROXIMATE CONVERSION FACTORS

TO CHANGE	TO	MULTIPLY BY
Inches	Centimeters	2.540
Feet	Meters	0.305
Yards	Meters	0.914
Miles	Kilometers	1.609
Square Inches	Square Centimeters	6.451
Square Feet	Square Meters	0.093
Square Yards	Square Meters	0.836
Square Miles	Square Kilometers	2.590
Acres	Square Hectometers	0.405
Cubic Feet	Cubic Meters	0.028
Cubic Yards	Cubic Meters	0.765
Fluid Ounces	Milliliters	29.573
its	Liters	0.473
arts	Liters	0.946
allons	Liters	3.785
Ounces	Grams	28.349
Pounds	Kilograms	0.454
Short Tons	Metric Tons	0.907
Pound-Feet	Newton-Meters	1.356
Pounds per Square Inch	Kilopascals	6.895
Miles per Gallon	Kilometers per Liter	0.425
Miles per Hour	Kilometers per Hour	1.609

TO CHANGE	TO	MULTIPLY BY
Centimeters	Inches	0.394
Meters	Feet	3.280
Meters	Yards	1.094
Kilometers	Miles	0.621
Square Centimeters	Square Inches	0.155
Square Meters	Square Feet	10.764
Square Meters	Square Yards	1.196
Square Kilometers	Square Miles	0.386
Square Hectometers	Acres	2.471
Cubic Meters	Cubic Feet	35.315
Cubic Meters	Cubic Yards	1.308
Milliliters	Fluid Ounces	0.034
Liters	Pints	2.113
Liters	Quarts	1.057
ers	Gallons	0.264
ms	Ounces	0.035
ograms	Pounds	2.205
Metric Tons	Short Tons	1.102
Newton-Meters	Pounds-Feet	0.738
Kilopascals	Pounds per Square Inch	0.145
ometers per Liter	Miles per Gallon	2.354
ometers per Hour	Miles per Hour	0.621



PIN: 011752-000