

# U. S. ARMY ELECTRONICS COMMAND

Ft. Monmouth, N. J.

DQADP-29



DIRECTORATE OF MAINTENANCE ENGINEERING  
NATIONAL MAINTENANCE POINT

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USAECOM ✓ DQADP 29

DEPOT QUALITY ASSURANCE

DATA PACKAGE

TELEPHONE SETS ✓ TA-43/PT AND ✓ TA-312/PT

NOVEMBER 1967

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U. S. ARMY ELECTRONICS COMMAND  
Fort Monmouth, New Jersey

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FOR THE COMMANDER:

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APPLICABLE DOCUMENTS

US ARMY ELECTRONICS COMMAND

DEPOT QUALITY ASSURANCE DATA PACKAGE

TELEPHONE SET TA-43/PT and TA-312/PT

1. Purpose: This Depot Quality Assurance Data Package establishes the acceptance standards and Quality Assurance Provisions for TA-43/PT and TA-312/PT which have been procured, reconditioned, renovated, rebuilt or overhauled. They will be used to determine the Quality Level of reconditioning process and to verify the degree to which the item meets servicability standards. The requirements herein will also be used in the preshipment inspection of USAECOM responsible items for Foreign Military Sales, Grant Aid or Loan.

2. Scope: This Depot Quality Assurance Data Package is mandatory for use by all activities and agencies providing a depot maintenance, reconditioning or storage mission for USAECOM responsible materiel.

3. Comments: The reporting of errors, omissions, and recommendations for improving this standard is authorized and encouraged. Forward all comments to the Commanding General, US Army Electronics Command, ATTN: AMSEL-ME-NMP-Q, Fort Monmouth, New Jersey 07703.

4. Applicable Specifications:

Note 1. Refer to latest issue to DA Pam 310-4 to determine whether there are new editions, changes or additional publications pertaining to this equipment.

Note 2. Refer to latest issue of REP 1000 to determine whether there are new editions or changes to the REP publications pertaining to this equipment.

<u>NUMBER</u>	<u>TITLE</u>
MIL-P-116	Preservation, Methods of
MIL-P-11268	Parts, Materials and Processes Used in Electronic Communication Equipment
MIL-M-13231	Marking of Electronic Items
MIL-STD-105	Sampling Procedures and Tables for Inspection by Attributes
MIL-STD-109	Quality Assurance Terms and Definitions
MIL-STD-122	Color Code for Chassis Wiring for Electronic Equipment
MIL-STD-129	Marking for Shipment and Storage
MIL-STD-130	Identification Markings for US Military Property
MIL-STD-252	Wired Equipment, Classification of Visual and Mechanical Defects for
TM 11-337	Telephone Set TA-43/PT
TM 11-2155	Telephone Set TA-312/PT
REP-700	Specific standard for Telephone Sets TA-43/PT and TA-312/PT

NUMBER

TITLE

- TB SIG 355-1 Depot Inspection Standard for Repaired Signal Equipment
- TB SIG 355-2 Depot Inspection Standard for Refinishing Repaired Signal Equipment
- TB SIG 355-3 Depot Inspection Standard for Moisture and Fungus Resistant Treatment

5. Basic Issue List Items: Latest BILLI deck and subsequent changes normally furnished to the depot by BILLI office, Lexington Blue Grass Army Depot, Lexington, Kentucky. Office symbol: AMSEL-ME-NMP-MR-L shall be utilized.

6. MWO Application:

A. None applicable at this time.

B. Refer to current issue of DA Pam 310-7 for subsequent

MWO application information.

7. Quality Assurance Provisions:

A. 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:

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

- (a) Purchase Order Number
- (b) Date Packaged or Packed
- (c) Depot Certification Stamp and Date

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

B. Lot Formation: 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 at the same time and stored under the same conditions.

C. Lot Size: The lot size is the total number of individual like items in the lot that is to be inspected.

D. Selection of Samples: The number of sample units required for inspection shall be selected at random from each lot.

E. Sample Size: Use Table I of Standard MIL-STD-105, General Inspection Level II to obtain the sample size code letter and Table II-A of Standard MIL-STD-105 to obtain the sample size utilizing the Acceptance Quality Levels (AQL's) shown in Table A of this package.

F. All inspections and tests listed in Table A will be performed in accordance with applicable specifications shown therein on all stored, fabricated, repaired, rebuilt and rehabilitated materiel.

G. The Systems Test (operational) will be performed after all other tests have been completed.

H. Results of inspections and tests shall be recorded on data sheets and a copy attached to each unit in the sample.

I. Classification of Defects:

(1) Mechanical and Visual

(a) Critical - Refer to MIL-STD-105 for the definition of a critical defect.

(b) Major and Minor - Defects as listed in MIL-STD-252

(2) Electrical

(a) Critical - Refer to MIL-STD-105 for the definition of a critical defect.

(b) Major - Any electrical test, other than critical, that does not meet the requirements of the applicable specification shown in Table A shall be considered a major defect.

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

(3) Preservation, Packaging, Packing and Marking

(a) Major - Defects as listed in MIL-T-14358 Tables XI and XII

(b) Minor - Defects as listed in MIL-T-14358 Tables XI and XII

J. Test equipment and inspection facilities shall be in accordance with requirements and of sufficient accuracy, quality and quantity to assure product quality in accordance with specification requirements.

K. Evidence of current calibration certification period must be affixed to the test equipment in such a manner as to preclude tampering or alteration. (AMCR 700-9).

8. Preservation, Packaging, Packing and Marking: Shall be in accordance with MIL-T-14358 Para. 5 when prepared for shipment. Level A is mandatory for Foreign Military Sales and Grant Aid shipments.

9. Special Requirements for Foreign Military Sales, Grant Aid or Loan:

- 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
- AMCR 702-3    Quality of Materiel for Mutual Security Program
- DD Form 1513   Offer and Acceptance

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.

One pilot pack shall be fabricated for each shipment and a leakage test performed in accordance with MIL-P-116. Combat loaded or installed items are excluded from this requirement. Exclusion of leakage requirement does not include running spares or other separately packaged materiel.

Note: Depot documentation of final acceptance in accordance with AMCR 702-3 shall be furnished the ECOM quality check team prior to ECOM inspection. AMCR Form 1445 or similar form will satisfy this requirement.

10. Table A:

<u>Inspection or Test</u>	<u>Specification</u>	<u>Test Requirements</u>	<u>Critical</u>	<u>AQL</u>	
				<u>Major</u>	<u>Minor</u>
Mechanical-Visual	MIL-STD-252			2.5%	6.5%
Electrical	REP-700	Section IV Para. A, B & C		2.5%	
Packaging, Packing and Marking	MIL-T-14358	Para. 4.22		4%	10%