TECHNICAL MANUAL

GENERAL SUPPORT MAINTENANCE MANUAL

SIGNAL GENERATORS

AN/URM-52

(NSN 6625-00-556-8107)

AN/URM-52A

(NSN 6625-00-592-5742)

AN/URM-52B

(NSN 6625-00-965-1501)

HEADQUARTERS, DEPARTMENT OF THE ARMY

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GENERAL SUPPORT

MAINTENANCE MANUAL

FOR

SIGNAL GENERATORS AN/USM-52 (NSN 6625-00-556-8107)

AN/URM-52A (NSN 6625-00-592-5742) AN/URM-52B (NSN 6625-00-965-1501)

REPORTING OF ERRORS

You can improve this manual by recommending improvements using DA Form 2028-2 (Test) located in the back of the manual. Simply tear out the self-addressed form, fill it out as shown on the sample, fold it where shown, and drop it in the mail.

If there are no blank DA Forms 2028-2 (Test) in the back of your manual, use the standard DA Form 2028 (Recommended Changes to Publications and Blank Forms) and forward to the Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, New Jersey 07703.

In either case a reply will be furnished direct to you.

*This manual supersedes so much of TM 11-6625-214-24, 14 October 1960, including all changes, as pertains to general support.

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CHAPTER 1

INTRODUCTION

Section I. GENERAL

1-1. Scope

This manual presents a functional description of Signal Generators AN/URM-52, AN/URM-52A, and AN/URM-52B. It gives general support maintenance instructions for the equipment and includes instructions for troubleshooting, testing, and repair. For consistency throughout this manual, Signal Generators AN/URM-52, AN/URM-52A and AN/URM-52B will be referred to as the AN/URM-52(*), except where model differences dictate.

1-2. Indexes of Publications

a. DA Pam 310-4. Refer to latest issue of DA Pam 310-4 to determine whether there are new editions, changes, or additional publications pertaining to the equipment

b. DA Pam 310-7. Refer to DA Pam 310-7 to determine whether there are modification work orders (MWO's) pertaining to the equipment.

1-3. Forms and Records.

a. Reports of Maintenance of Unsatisfactory Equipment. Maintenance forms, records, and reports which are to be used by maintenance personnel at all levels are listed in and prescribed by TM 38-750.

b. Report of Packaging and Handling Deficiencies. Fill out and forward DD Form 6 (Packaging Improvement Report) as prescribed in AR 700-58/NAVSUPINST4030.29/AFR 71- 13/MCO P4030.29A, and DSAR 4145.8.

c. Discrepancy in Shipment Report (DISREP) (SF 361). Fill out and forward Discrepancy in Shipment Report (DISREP) (SF 361) as prescribed in AR 55-38/NAVSUPINST 4610.33A/AFR 75- 18/MCO P4610.19B. and DSAR 4500.15.

1-4. Administrative Storage

Administrative storage of equipment issued to and used by Army activities shall be in accordance with TM 740-90-1.

1-5. Destruction of Army Electronics Materiel

Destruction of Army electronics materiel to prevent enemy use shall be in accordance with TM 750-244-2.

1-6. Reporting Equipment Improvement Recommendations (EIR)

EIRs will be prepared using DA Form 2407, Maintenance Request. Instructions for preparing EIRs are provided in TM 38-750, The Army Maintenance Management System. EIRs should be mailed directly to Commander, US Army Electronics Command, ATTN: DRSEL-MA-Q, Fort Monmouth, New Jersey 07703. A reply will be furnished directly to you.

Section II. DESCRIPTION AND DATA

1-7. Purpose and Use

The AN/URM-52(*) is a complete, self-contained signal generator. For a list of accessories applicable to each model of equipment, refer to TM 11-6625-214-12. The equipment is designed for use in testing radar and for other applications requiring small amounts of rf power, such as measuring standing wave ratios, antenna characteristics, transmission line characteristics, conversion gain, alignment and calibration of receivers, and similar uses.

1-8. Description

For a general description of the AN/URM-52(*), refer to TM 11-6625-214-12.

1-9. Tabulated Data

For performance characteristics of the AN/URM- 52(*), refer to tabulated data contained in TM 11- 6625-214-12.