

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

OPERATOR AND ORGANIZATIONAL

MAINTENANCE MANUAL

TEST SETS, TELETYPEWRITER

AN/GGM-1, AN/GGM-2, AN/GGM-3,

AN/GGM-4, AND AN/GGM-5

This copy is a reprint which includes current
pages from Changes 1 and 3 through 8

HEADQUARTERS, DEPARTMENT OF THE ARMY

OCTOBER 1961

TECHNICAL MANUAL }
 No. 11-6625-422-12 }

HEADQUARTERS,
 DEPARTMENT OF THE ARMY
 WASHINGTON 25, D.C., 6 October 1961

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CHAPTER 1 INTRODUCTION

Section I. GENERAL

1. Scope

a. This manual describes Test Sets, Teletypewriter AN/GGM-1, AN/GGM-2, AN/GGM-3, AN/GGM-4, and AN/GGM-5, and covers the installation, operation, and operator's and organizational maintenance of the equipment. It includes instructions for the installation of each of the sets, operation under usual and unusual conditions, cleaning, and inspection of the equipment, and replacement of parts available to first and second echelon maintenance personnel.

b. Official nomenclature followed by (*) is used to indicate all five sets of the equipment covered in this manual. Thus, Test Sets, Teletypewriter, AN/GGM-(*) represents Test Sets, Teletypewriter AN/GGM-1, AN/GGM-2, AN/GGM-3, AN/GGM-4, and AN/GGM-5.

2. Forms and Records

a. *Unsatisfactory Equipment Reports.* Fill out and

forward DA Form 468 (Unsatisfactory Equipment Report) to the Commanding Officer, U.S. Army Signal Materiel Support Agency, ATTN: SIGMS-ML, Fort Monmouth, N.J., as prescribed in AR 70038.

b. *Report of Damaged or Improper Shipment.* Fill out and forward DD Form 6 (Report of Damaged or Improper Shipment), as prescribed in AR 700-58.

c. *Preventive Maintenance Forms.* Prepare DA Form 11-266 (figs. 36 and 37) (Maintenance Check List for Signal Equipment (Test Equipment)) in accordance with instructions on the form.

d. *Comments on Manual.* Forward all other comments concerning this manual direct to the Commanding Officer, U.S. Army Signal Materiel Support Agency, ATTN: SIGMSPA2d, Fort Monmouth, N.J.

Section II. DESCRIPTION AND DATA

3. Purpose and Use

a. Test Set, Teletypewriter AN/GGM-(*) is an integrated group of digital test equipments that provides facilities for comprehensive analysis of synchronous and start-stop data/telegraph signals to determine the types and magnitudes of signal distortion present in the signal.

b. The AN/GGM-(*) may be used to provide a continuous indication of system performance for quality control functions as well as a test instrument for troubleshooting and testing data/ telegraph equipment and systems.

4. Technical Characteristics

a. *Test Set, Teletypewriter TS-1512/GGM.*

Input signals:

Start-stop..... 7 to 16 unit intervals/character.

Synchronous All codes.

Input signal current 20 or 60 ma neutral, 20 or 30 ma polar, and high-impedance (bridging) polar.

Input signal baud rates Up to 600 (specific rates determined by timing signals available from Generator, Time Base SG-430/GGM).