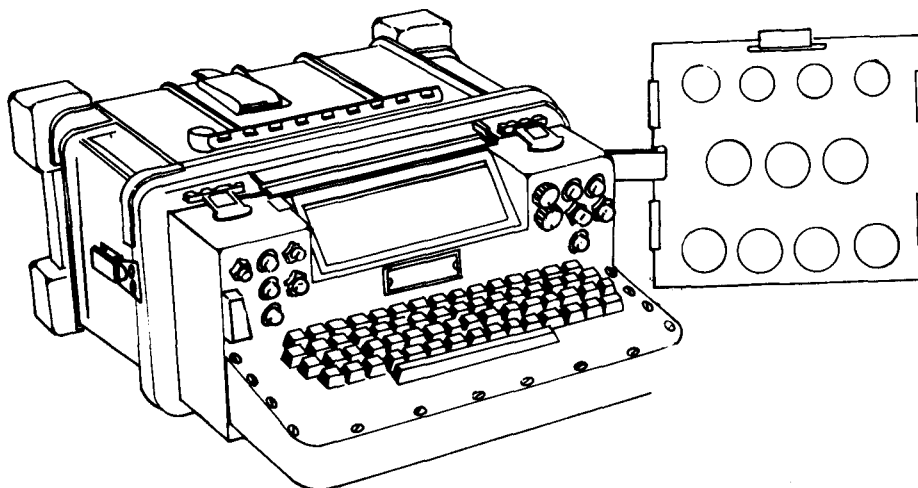


ARMY **TM 11-5815-602-10**
NAVY **EE161-DM-OPI-010/E154UGC74**
AIR FORCE **TO 31W4-2UGC74-1**

OPERATOR'S MANUAL



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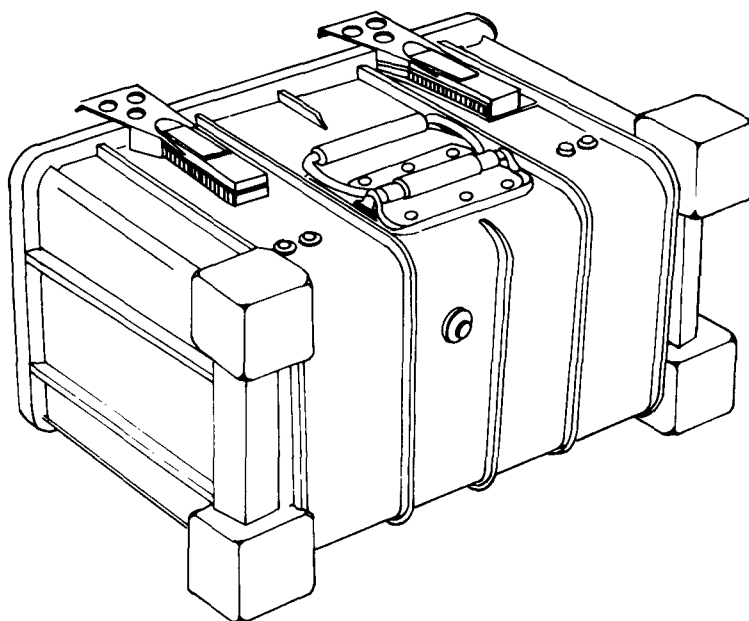
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TERMINAL, COMMUNICATIONS AN/UGC-74A(V)3
(NSN 5815-01-062-8194)

DEPARTMENTS OF THE ARMY, THE NAVY, AND THE AIR FORCE

23 SEPTEMBER 1983

TECHNICAL MANUAL
No. 11-5815-602-10
No. EE161-DM-OPI-010/E154UGC74
TECHNICAL ORDER
No. 31W4-2UGC74-1

DEPARTMENTS OF THE ARMY, THE NAVY,
AND THE AIR FORCE
WASHINGTON, DC, 23 September 1983

OPERATOR'S MANUAL
TERMINAL, COMMUNICATIONS AN/UGC-74A(V)3
(NSN 5815-01-062-8194)

REPORTING OF ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes or if you know of a way to improve the procedures, please let us know. Mail your letter, DA Form 2028 (Recommended Changes to Publications and Blank Forms), or DA Form 2028-2 located in back of this manual direct to: Commander, US Army Communications-Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey 07703.

For Air Force, submit AFTO Form 22 (Technical Order System Publication Improvement Report and Reply) in accordance with paragraph 6-5, Section VI, T.O. 00-5-1. Forward direct to prime ALC/MST.

For Navy, mail comments to the Commander, Naval Electronics Systems Command, ATTN: ELEX 8122, Washington, DC 20360.

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

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*This manual supersedes the operator's portion of TM 11-5815-602-12,
30 November 1979, including all changes.

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HOW TO USE THIS MANUAL

This manual tells you how to operate and perform operator maintenance on the Communications Terminal AN/UGC-74A(V)3.

Location of Subjects in Manual

In this manual, paragraphs and pages are numbered in succession by chapter. For example: Paragraph 2-14 is paragraph 14 in Chapter 2. Page 3-5 is page 5 in Chapter 3.

If you are looking for specific information use subject INDEX in the back of this manual to locate page number where the topic is described.

For rapid location of a required subject, contents of chapter are listed alphabetically on the first page of each chapter.

Refer to Appendix A, REFERENCES, for the complete title of all forms, technical manuals and military specifications referenced in this manual.

Refer to LIST OF ABBREVIATIONS and GLOSSARY in Chapter 1 for a definition of the abbreviations and unusual terms used in this manual.

Use of Manual for Task Performance

You must become thoroughly familiar with all the operating controls, switches, lamps and keys before you can properly use and maintain the terminal. Chapter 2 describes the use of operator controls, while Chapter 3 tells you how to maintain the equipment.

As a further aid to knowing operating procedures, Appendixes E through J, located in the back of the manual, provide information and detailed examples of operator action and terminal response in the operational states.

Use this manual in conjunction with your station's Standard Operating Procedure (SOP) when formatting messages. Appendix H provides an example of a JANAP 128(H) PLAIN DRESS header and message.

You must familiarize yourself with all the maintenance procedures before beginning the maintenance task.

Do not perform maintenance tasks that are assigned to a maintenance level higher than you are authorized to perform. Call your supervisor or next higher level of maintenance if you have a problem not described in this manual.

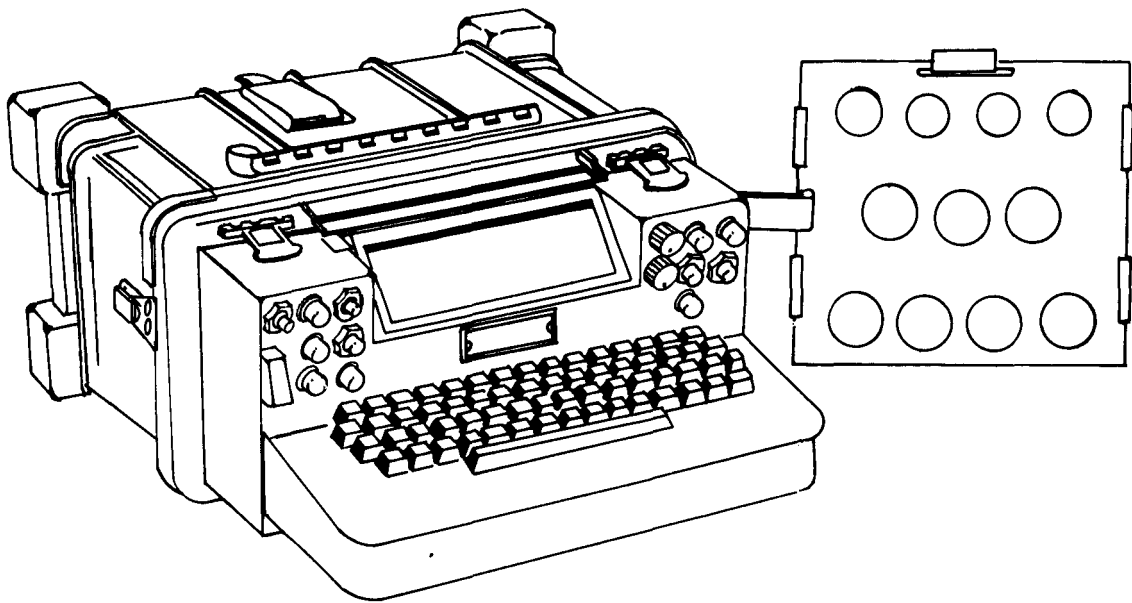


Figure 1-1.

TERMINAL, COMMUNICATIONS AN/UGC-74A(V)3 WITH COPYHOLDER ATTACHED

CHAPTER 1
INTRODUCTION

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Section I. GENERAL

1-1. SCOPE

This manual is a guide for installation and operation of Terminal, Communications AN/UGC-74A(V)3 (fig. 1-1).

1-2. MAINTENANCE FORMS, RECORDS, AND REPORTS

a. **Reports of Maintenance and Unsatisfactory Equipment.** Department of the Army forms and procedures used for equipment maintenance will be those prescribed by TM 38-750, The Army Maintenance Management System (TAMMS). Air Force personnel will use AFR 66-1 for maintenance reporting and TO-00-35D54 for unsatisfactory equipment reporting. Navy personnel will report maintenance performed utilizing the Maintenance Data Collection Subsystem (MDCS) IAW OPNAVINST 4790.2, Vol 3 and unsatisfactory material/conditions (UR submissions) IAW OPNAVINST 4790.2, Vol 2, chapter 17.

b. **Report of Packaging and Handling Deficiencies.** Fill out and forward SF 364 (Report of Discrepancy (ROD)) as prescribed in AR 735-11-2/DLAR 4140.55/NAVMATINST 4355.73A/AFR 400-54/MCO 4430.3F.

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 4610.33C/AFR 75-18/MCO P4610.19D/DLAR 4500.15.

1-3. HAND RECEIPT (-HR) MANUAL

This manual has a companion document with a TM number followed by "-HR" (which stands for Hand Receipt). TM 11-5815-602-10-HR consists of preprinted hand receipts (DA Form 2062) that list end item related equipment (i.e., COEI, BII, AND AAL) you must account for. As an aid to property accountability, additional -HR manuals may be requisitioned from The US Army Adjutant General Publications Center, Baltimore, MD, in accordance with the procedures in Chapter 3, AR 310-2, and DA PAM 310-10-2.

1-4. REPORTING EQUIPMENT IMPROVEMENT RECOMMENDATIONS (EIR)

a. *Army.* If your Terminal, Communications AN/UGC-74A(V)3 needs improvements, let us know. Send us an EIR. You, the user, are the only one who can tell us what you don't like about your equipment. Let us know why you don't like the design. Put it on an SF 368 (Quality Deficiency Report). Mail it to Commander, US Army Communication- Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MP, Fort Monmouth, New Jersey 07703. We'll send you a reply.

b. *Air Force.* Air Force personnel are encouraged to submit EIR's in accordance with AFR 900-4.

c. *Navy.* Navy personnel are encouraged to submit EIR's through their local Beneficial Suggestion Program.

1-5. NOMENCLATURE CROSS-REFERENCE LIST

Common names will be used when the major components of the terminal are mentioned in this manual.

Common Name

Terminal
Printer Assembly
Memory Circuit Card
Communications Circuit Card
Print Control Circuit Card
Chassis

Nomenclature

Terminal, Communications AN/UGC-74A(V)3
Teleprinter Assembly (K3A1)
Circuit Card Assembly, Memory (3A1A2)
Circuit Card Assembly, Communications (3A1A3)
Circuit Card Assembly, Printer Control (3A1A4)
Chassis Assembly (3A1A6)