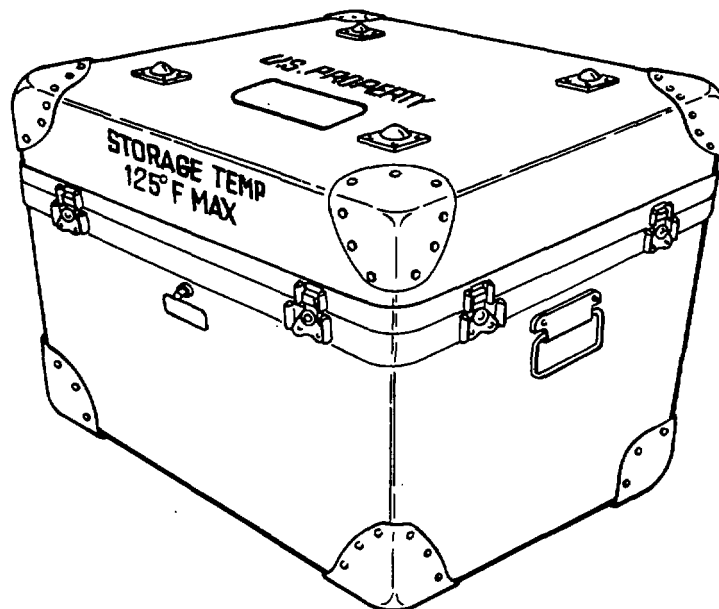


TECHNICAL MANUAL OPERATOR, UNIT, AND DIRECT SUPPORT MAINTENANCE (INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST) FOR WATER QUALITY ANALYSIS SET PREVENTIVE MEDICINE NSN 6630-01-367-9402 (EIC) ZGF	INTRODUCTION	1-1
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HEADQUARTERS, DEPARTMENT OF THE ARMY
8 MARCH 1996

TECHNICAL MANUAL

No. 10-6630-245-13&P

HEADQUARTER,
DEPARTMENT OF THE ARMY
WASHINGTON, D.C.. 8 March 1996**OPERATOR, UNIT, AND DIRECT SUPPORT MAINTENANCE
(INCLUDING REPAIR PARTS AND SPECIAL TOOLS LIST)****FOR****WATER QUALITY ANALYSIS SET PREVENTIVE MEDICINE
NSN 6630-01-367-9402
(EIC) ZGF**

Current as of 14 January 1997.

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this manual. If you find any mistakes, or if you know of a way to improve these procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms). or DA Form 2028-2 located in the back of this manual directly to: Commander, US Army Aviation and Troop Command, ATTN: AMSAT-IMP, 4300 Goodfellow Blvd., St. Louis, MO 63120-1798. You may also submit your recommended changes by E-mail directly to <mpmt%avma28@st-louis-emh7.army.mil>. A reply will be furnished directly to you. Instructions for sending an electronic 2028 may be found at the back of this manual immediately preceding the hard copy 2028.

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HOW TO USE THIS MANUAL

This manual describes physical and chemical processes which require the use of chemicals and solvents to perform tests which detect chemical contamination of water in the field. The user must become completely familiar with the manufacturer/supplier information and adhere to the procedures, recommendations, warnings and cautions of the manufacturer/supplier for the safe use, handling, storage and disposal of these materials.

WARNING AND CAUTION STATEMENTS

WARNING and CAUTION statements have been strategically placed throughout this text prior to operating or maintenance procedures, practices or conditions considered essential to the protection of personnel (WARNING) or equipment and property (CAUTION). A WARNING or CAUTION will apply each time the related step is repeated. Prior to starting any task, the WARNINGS or CAUTIONS included in the text for that task will be reviewed and understood.

HAZARDOUS MATERIALS

Warnings for hazardous material in this manual are designed to warn personnel of hazards associated with such items when they come in contact with them during actual use.

MANUAL OVERVIEW

This manual has been prepared to teach you how to easily and effectively use the equipment supplied in the Water Quality Analysis Set Preventive Medicine to perform tests which detect chemical contamination of water in the field. The manual does not, however, set standards for water quality, or the amount of contamination which makes water unusable. You should refer to unit procedures and applicable specifications for that information.

FINDING INFORMATION

Indexing and access features used in this manual let you find information quickly:

- a. Use the front cover index to find major sections of the manual. The bleed-to-edge(black box) locators are aligned with the sections to which they apply.
- b. At the front of the manual there is an overall table of contents that shows you major areas of information found in the manual. The major areas are boxed to match the front cover index.
- c. In the front of each chapter, there is a detailed section table of contents for easy local use with each section.
- d. In the back of the manual there is an alphabetical key word index to help you find specific information.
- e. In the back of the manual there is a glossary with abbreviations specific to this manual and definitions of words used in the manual.
- f. Pages are numbered to identify each page with chapter number and page number.

Documents referenced in this manual are listed in Appendix A.

GENERAL TECHNIQUES

Before using the equipment, read and understand the general techniques explained and illustrated in para 2.6. Be sure you are familiar with the equipment, chemicals and lab ware you will be using. There is a diagram in Chapter 1 to help you locate and identify specific pieces of equipment.

WATER QUALITY ANALYSIS PROCEDURES

The water quality analysis procedures are in Chapter 2, para 2.6.8. Notes have been provided to help explain and clarify specific procedures. Be sure you follow and understand the information contained in the notes.

Be sure to heed all WARNINGS and CAUTIONS which accompany each test procedure.

MAINTENANCE

The preventive maintenance checks and services you will be expected to perform to keep your equipment in good operating condition are explained in Chapter 2. Section II. Be sure to perform these tasks at the intervals shown in the table.

Operator troubleshooting and maintenance procedures are explained in Chapter 3.

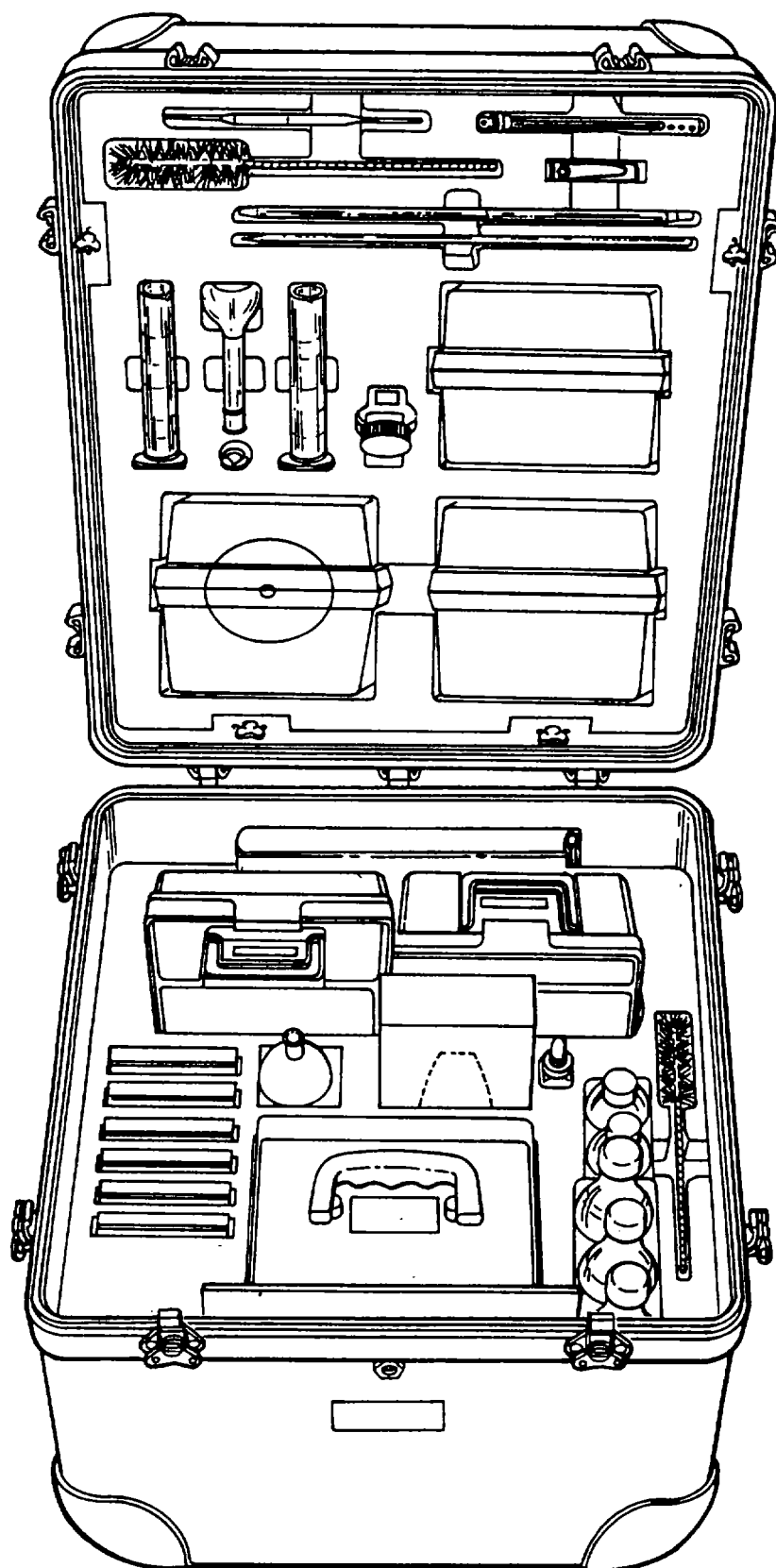
Unit troubleshooting and maintenance procedures are explained in Chapter 4.

There are no direct support maintenance procedures for the WQAS-PM.

Appendix B contains the Maintenance Allocation Chart (MAC) which defines the functional groups which make up the equipment. It also contains maintenance levels and approximate times it will take you to perform specific tasks.

Appendix C contains the Repair Parts and Special Tools List (RPSTL). The RPSTL includes illustrations and tabular lists of all repair parts for the set. Source, Maintenance and Recoverability (SMR) codes are included in the tables to help you identify who can use, repair, replace and dispose of parts. Required quantities of each item are also listed. There are three cross-reference indexes for National Stock Numbers (NSN), Part Numbers and Commercial and Government Entity Code (CAGEC) vs illustrated parts lists. When you need to replace a part, use the RPSTL "How to Locate Repair Parts" section

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SECTION I. GENERAL INFORMATION

1.1. SCOPE.

- a. Type of Manual: Operator's, Unit, and Direct Support Maintenance (Including Repair Parts and Special Tools List)
- b. Model Number and Equipment Name: Water Quality Analysis Set - Preventive Medicine (WQAS-PM) NSN 6630-01-367-9402.
- c. Purpose of Equipment: To immediately detect chemical contamination of water. This information can be used to decide what kind of purification equipment is needed. The information is also used to decide how to monitor purification equipment after it is installed.

1.2. MAINTENANCE FORMS AND RECORDS.

Department of the Army forms and procedures used for equipment maintenance will be those prescribed by (as applicable):

DA Pam 738-750	The Army Maintenance Management System (TAMMS);
DA Pam 738-751	Functional Users Manual for the Army Maintenance Management System - Aviation (TAMMS-A); or
AR 700-138	Army Logistics Readiness and Sustainability.