

**TECHNICAL MANUAL**

**HAND RECEIPT  
COVERING CONTENT OF COMPONENTS OF END ITEM (COEI)  
BASIC ISSUE ITEMS (BII), AND ADDITIONAL AUTHORIZATION LIST (AAL)  
FOR**

**SIMULATOR, RADAR SIGNAL SM-674/UPM  
(NSN 6940-01-031-5887)  
AND  
TEST ADAPTER, RADAR SIGNAL MX-9848/APR-39(V)  
(NSN 5841-01-025-0379)**

Hand Receipt

TM 11-6940-211-10-HR

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, DC, 7 October 1982

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Current as of 24 September 1982

**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 the procedures, please let us know. Mail your letter or DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to: Commander, US Army Communications Electronics Command and Fort Monmouth, ATTN: DRSEL-ME-MQ, Form Monmouth, NJ 07703.

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

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**Section I. INTRODUCTION**

**1. Scope.** This publication provides an overprinted DA Form 2062 (Hand Receipt) which lists the contents of Components of End Item (COEI), Basic Issue Items (BII), and Additional Authorization List (AAL) items related to Simulator, Radar Signal SM-674/UPM and Test Adaptor, Radar Signal MX-9848/APR-39(V).

**2. General.**

a. Section II is the overprinted DA Form 2062 which lists the line item entry for System/End Item and the content of COEI, BII, and AAL extracted from TM 11-6940-211-12, The listings consist of exactly the same items and are in the same sequence as those listings in TM 11-6940-211-12.

b. *The overprinted* DA Form 2062 will eliminate manual preparation of the form and will assist organizations in inventorying and accounting for property as required by AR 710-2.

c. Local reproduction of the overprinted DA Form 2062 is authorized. However, organizations shall comply with local policies in the reproduction of DA Form 2062 by office copying equipment, field printing plant, or duplicating plant facilities.

d. Additional copies of this publication may be requisitioned from the Commander, Baltimore AG Publications Center, 2800 Eastern Blvd., Baltimore, MD 21220 in accordance with Chapter 3, AR 310-2.

**3. Explanation of Blocks and Column (DA FORM 2062).**

a. *FROM.* Enter the organization for which the property book is maintained.

b. *TO* Enter the (UIC) and the hand receipt file number of the unit/personnel receiving the property.

c. *CATALOG NO.* Contains the technical manual (TM) number of the operator's manual.

d. *CURR OF ALW.* Not applicable.

e. *ITEM.* Contains end item short title,

f. *STOCK NO.* National stock number of the item described. Items without stock numbers should be requisitioned by Federal Supply Code for Manufacturer (FSCM) and Part Number direct from: US Army Communications-Electronics Command, and Fort Monmouth, ATTN: DRSEL-MM, Fort Monmouth, NJ 07703.

**NOTE**

The Accounting Requirement Code (ARC) refers to property accountability, not to disposal authority. Disposition action and authority for an unserviceable item is governed by the recoverability code (5th position code of the SMR code) assigned to the item.

g. *ITEM DESCRIPTION.* Identifies the item contained in the COEI, BII, and AAL. The first entry shall be the line item's Expendability (EXP)/Accounting Requirement Code (ARC), in parentheses, in front of the line item name. One of the following codes will apply:

- (N) for Nonexpendable: Items not consumed in use, retaining their identity during use, and requiring that accountability be maintained throughout the life of the item.
- (D) for Durable: Nonconsumable component of sets, kits, outfits, and assemblies; all tools in FSC'S 5110, 5120, 5130, 5133, 5136, 5140, 5160, 5210, 5220 and 5260; and any other nonconsumable with a price in excess of \$50.00 not already "N".
- (X) for Expendable: Items regardless of type classification or price and which are consumed in use. Includes all class 9 repair parts Item not consumed in use which cost \$60.00 or less and not already "N" or "D".

In addition, it will contain nomenclature, and serial/USA number (if applicable) that will be useful in identifying and controlling the item. Serial number to be inserted and initialed on all copies by the hand receipt holder.

h. *T' (a).* Quantity of each item as listed in the COEI, BII, and AAL.

i. *C' (t).* Leave blank.

j. *BALANCE.*

(1) 1. Enter the total quantity possessed by the receiving unit/personnel for each item listed. All quantity totals will be advanced to the next balance column on any item changes, annotated "adjusted", dated, and signed by the individual receiving the property.

(2) 2. The individual receiving the property will sign and date the appropriate balance column on the bottom of the last page below a drawn line. When an inventory is taken, the column will be annotated "Per Inventory".

(3) 3 through 12. Same as (2) above.

k. *PAGE NO./NO. OF PAGES.* Contains page number and total pages for the COEI, BII, and AAL portions of the hand receipt. Hand receipt holder initial each page no. (only when two or more forms are involved). When hand receipt holders change, the old initials will be lined out and new hand receipt holder will initial each page.

**4. Authorization Documents.**

a. Components of end item (COEI) are authorized by the applicable Repair Parts and Special Tools List (RPSTL).

- b. Basic Issue Items (BII) are authorized by the applicable operator's manual.
- c. Additional Authorization List (AAL) items are

authorized by appropriate MTOE, TDA, CTA, or **JTA** authorization documents.

## **Section II. HAND RECEIPT**

Following is the Hand Receipt for Simulator, Radar Signal SM-674/UPM and Test Adapter, Radar Signal MX-9848/APR-39(V).















By Order of the Secretary of the Army:

E. C. MEYER  
*General, United States Army*  
*Chief of Staff*

Official:

ROBERT M. JOYCE  
*Major General, United States Army*  
*The Adjutant General*

Distribution:

TO BE DISTRIBUTED IN ACCORDANCE WITH DA FORM 12-31 OPERATOR MAINTENANCE REQUIREMENTS FOR AH-1G, CH-47A,B,C, OH-58, UH-1B, UH-1C/M UH-1D/H Rotors Wings Aircraft.

RECOMMENDED CHANGES TO EQUIPMENT TECHNICAL PUBLICATIONS



THEN...JOT DOWN THE  
DOPE ABOUT IT ON THIS FORM.  
CAREFULLY TEAR IT OUT, FOLD IT  
AND DROP IT IN THE MAIL.

SOMETHING WRONG WITH PUBLICATION

FROM: (PRINT YOUR UNIT'S COMPLETE ADDRESS)

DATE SENT

PUBLICATION NUMBER

PUBLICATION DATE

PUBLICATION TITLE

BE EXACT PIN-POINT WHERE IT IS

PAGE  
NO.

PARA-  
GRAPH

FIGURE  
NO.

TABLE  
NO.

IN THIS SPACE, TELL WHAT IS WRONG  
AND WHAT SHOULD BE DONE ABOUT IT.

TEAR ALONG PERFORATED LINE

PRINTED NAME, GRADE OR TITLE AND TELEPHONE NUMBER

SIGN HERE

# The Metric System and Equivalents

## Linear Measure

1 centimeter = 10 millimeters = .39 inch  
 1 decimeter = 10 centimeters = 3.94 inches  
 1 meter = 10 decimeters = 39.37 inches  
 1 dekameter = 10 meters = 32.8 feet  
 1 hectometer = 10 dekameters = 328.08 feet  
 1 kilometer = 10 hectometers = 3,280.8 feet

## Weights

1 centigram = 10 milligrams = .15 grain  
 1 decigram = 10 centigrams = 1.54 grains  
 1 gram = 10 decigrams = .035 ounce  
 1 dekagram = 10 grams = .35 ounce  
 1 hectogram = 10 dekagrams = 3.52 ounces  
 1 kilogram = 10 hectograms = 2.2 pounds  
 1 quintal = 100 kilograms = 220.46 pounds  
 1 metric ton = 10 quintals = 1.1 short tons

## Liquid Measure

1 centiliter = 10 milliliters = .34 fl. ounce  
 1 deciliter = 10 centiliters = 3.38 fl. ounces  
 1 liter = 10 deciliters = 33.81 fl. ounces  
 1 dekaliter = 10 liters = 2.64 gallons  
 1 hectoliter = 10 dekaliters = 26.42 gallons  
 1 kiloliter = 10 hectoliters = 264.18 gallons

## Square Measure

1 sq. centimeter = 100 sq. millimeters = .155 sq. inch  
 1 sq. decimeter = 100 sq. centimeters = 15.5 sq. inches  
 1 sq. meter (centare) = 100 sq. decimeters = 10.76 sq. feet  
 1 sq. dekameter (are) = 100 sq. meters = 1,076.4 sq. feet  
 1 sq. hectometer (hectare) = 100 sq. dekameters = 2.47 acres  
 1 sq. kilometer = 100 sq. hectometers = .386 sq. mile

## Cubic Measure

1 cu. centimeter = 1000 cu. millimeters = .06 cu. inch  
 1 cu. decimeter = 1000 cu. centimeters = 61.02 cu. inches  
 1 cu. meter = 1000 cu. decimeters = 35.31 cu. feet

## Approximate Conversion Factors

To change	To	Multiply by	To change	To	Multiply by
inches	centimeters	2.540	ounce-inches	newton-meters	.007062
feet	meters	.305	centimeters	inches	.394
yards	meters	.914	meters	feet	3.280
miles	kilometers	1.609	meters	yards	1.094
square inches	square centimeters	6.451	kilometers	miles	.621
square feet	square meters	.093	square centimeters	square inches	.155
square yards	square meters	.836	square meters	square feet	10.764
square miles	square kilometers	2.590	square meters	square yards	1.196
acres	square hectometers	.405	square kilometers	square miles	.386
cubic feet	cubic meters	.028	square hectometers	acres	2.471
cubic yards	cubic meters	.765	cubic meters	cubic feet	35.315
fluid ounces	milliliters	29.573	cubic meters	cubic yards	1.308
pints	liters	.473	milliliters	fluid ounces	.034
quarts	liters	.946	liters	pints	2.113
gallons	liters	3.785	liters	quarts	1.057
ounces	grams	28.349	liters	gallons	.264
pounds	kilograms	.454	grams	ounces	.035
short tons	metric tons	.907	kilograms	pounds	2.205
pound-feet	newton-meters	1.356	metric tons	short tons	1.102
pound-inches	newton-meters	.11296			

## Temperature (Exact)

°F Fahrenheit temperature      5/9 (after subtracting 32)      Celsius temperature      °C

**PIN: 051665-000**