

OBSOLETE

DO NOT CHARGE

FM 23-8

Apr 1974

FIELD MANUAL

* PHSK 17003530
24 APR 74

M14 AND M14A1 RIFLES

AND

RIFLE MARKSMANSHIP

HEADQUARTERS, DEPARTMENT OF THE ARMY

OBSOLETE

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APRIL 1974

COMMENTS ON MANUAL

Users of this publication are encouraged to submit recommended changes or comments to improve the publication. Comments should be keyed to the specific page, paragraph, and line of the text in which the change is recommended. Reasons should be provided for each comment to insure understanding and complete evaluation. Comments should be prepared using DA Form 2028 (Recommended Changes to Publications) and forwarded direct to the Commandant, United States Army Infantry School, Fort Benning, Georgia 31905.

OBsolete

FM 23-8
C2

Change }
NO. 2 }

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 16 March 1987

**M14 AND M14A1 RIFLES AND
RIFLE MARKSMANSHIP**

1. FM 23-8, April 1974, is changed as follows:

Page 153. Add the following:

93.1. Instructional firing

a. General. Instructional firing is practice firing on a marksmanship range with help from an instructor. The coach and firer method may be used.

b. Purpose. Instructional firing with the M14 and M14A1 develops the skill needed to engage targets during record fire.

c. Procedure. Instructional firing uses the same procedures for conducting record fire I. Coaches and instructors will critique firers during this exercise. All rounds are scored, but the scores are diagnostic and do not count toward qualification.

2. Post these changes per DA Pamphlet 310-13.

3. File this change in the front of the publication.

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

OBsolete

By Order of the Secretary of the Army:

JOHN A. WICKHAM, JR.
General, United States Army
Chief of Staff

Official:

R. L. DILWORTH
Brigadier General, United States Army
The Adjutant General

DISTRIBUTION:

Active Army, USAR, and ARNG: To be distributed in accordance with DA Form 12-11A, Requirements for M14 and M14A1 Rifles and Rifle Marksmanship (Qty rqr block no. 186).

SEP 24 1975

Change }
No. 1 } ACCESSION NO _____
 } PO REGISTR _____

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 27 August 1975

M14 AND M14A1 RIFLES AND
RIFLE MARKSMANSHIP

Effective 27 September 1975

This change implements the Privacy Act of 1974 (5 U.S.C. 552a) by adding Privacy Act Statements for forms prescribed in this publication that are covered under the act.

FM 23-8, 15 April 1974, is changed as follows:

1. The following form(s) (colom b) will be reproduced locally on 8 x 10½ inch paper and made available on and after 27 September 1975 to the individual supplying data on form(s) in column a.

Column a	Column b
DA FORM 3005-R -----	DA FORM 3005-R, Privacy Act Statement
DA FORM 3008-R -----	DA FORM 3008-R, Privacy Act Statement
DA FORM 3595 -----	DA FORM 3595-R, Privacy Act Statement

2. File this change sheet in front of the publication for reference purposes.

The proponent agency of this publication is the US Army Infantry School.
 (Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) direct to US Army Infantry School, Fort Benning, GA 31905.

By Order of the Secretary of the Army:

FRED C. WEYAND
General, United States Army
Chief of Staff

Official:
VERNE L. BOWERS
Major General, United States Army
The Adjutant General

DISTRIBUTION: Active Army, ARNG, USAR: To be distributed in accordance with DA Form 12-11A requirements for US Rifle - 7.62-mm, M14 and M14A1 (Qty rqr block no. 186).

DATA REQUIRED BY THE PRIVACY ACT OF 1974
(5 U.S.C. 552a)

TITLE OF FORM DA Form 3595, Record Fire Scorecard	PRESCRIBING DIRECTIVE FM 23-8, FM 23-9, ASubSec 23-72
1. AUTHORITY 10 USC 3012 (g)	
2. PRINCIPAL PURPOSE(S) Records Student performance on record-fire range.	
3. ROUTINE USES Evaluation of student proficiency and basis for determination of award of marksmanship proficiency badge.	
4. MANDATORY OR VOLUNTARY DISCLOSURE AND EFFECT ON INDIVIDUAL NOT PROVIDING INFORMATION <i>Mandatory.</i> Individuals not providing information cannot be rated/scored on a mass basis.	

DA FORM 3595-R

Privacy Act Statement ~ 26 Sep 75

DATA REQUIRED BY THE PRIVACY ACT OF 1974

(5 U.S.C. 552a)

TITLE OF FORM

DA 3008-R Alternate Automatic Rifle Transition Firing Scorecard

PRESCRIBING DIRECTIVE
FM 23-8, ASubSec 23-72
FM 23-9

1. AUTHORITY

10 USC 3012 (g)

2. PRINCIPAL PURPOSE(S)

Records student hits on target while firing from different positions while in the automatic mode.

3. ROUTINE USES

Evaluation of student proficiency.

4. MANDATORY OR VOLUNTARY DISCLOSURE AND EFFECT ON INDIVIDUAL NOT PROVIDING INFORMATION

Mandatory. Individuals not providing information cannot be rated/scored on a mass basis.

DA FORM 3008-R

- Privacy Act Statement - 26 Sep 75

DATA REQUIRED BY THE PRIVACY ACT OF 1974

(a) C.S.C. 552a1

TITLE OF FORM

DA Form 3005-R - Standard Auto Rifle Transition Fire Scorecard

PRESCRIBING DIRECTIVE

FM 23-8, FM 23-9,
ASubSecd 23-72

1. AUTHORITY

10 USC 3012 (g)

2. PRINCIPAL PURPOSE(S)

Records firer's hits on target.

3. ROUTINE USES

Evaluation of firer's proficiency.

4. MANDATORY OR VOLUNTARY DISCLOSURE AND EFFECT ON INDIVIDUAL NOT PROVIDING INFORMATION

Mandatory. Individuals not providing information cannot be rated/scored on a mass basis.

DA FORM 3005-R

Privacy Act Statement - 26 Sep 75

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DEPARTMENT OF THE ARMY
HEADQUARTERS, UNITED STATES ARMY WEAPONS COMMAND
ROCK ISLAND, ILLINOIS 61201

MAY 6 1974

AMSAR-MMP

30 April 1974

SUBJECT: HQ, ARMCOM Supply Letter No 3-74

SEE DISTRIBUTION

1. RIFLE, RECOILLESS, 90MM, M67, FSN 1015-657-7534.

a. Subject item is currently in short supply. It is requested all unserviceable economically repairable weapons in excess to your requirements be returned, with BII, as soon as possible to Anniston Army Depot, Anniston, Alabama. Process appropriate documentation in accordance with AR 755-1.

b. These unserviceables are urgently required in support of FY75 and FY76 Rebuild Programs.

AMSAR-MMW

2. LOW LIGHT LEVEL SIGHT KIT FOR M16/M16A1 RIFLES.

a. DA selected units authorized the subject sight kit should requisition this item as follows: Sight, Low Light Level, for use on M16/M16A1 Rifles, FSN 1005-071-8030. This is the Promethium Type Sight with a shelf life of 6.7 years and is the only type sight currently available for issue.

b. Only units receiving distribution of the low light level sight kit are authorized replacement repair parts. Component parts necessary to effect repair should be requisitioned by direct support maintenance through normal supply channels as follows:

(1) Sight Rear: Low Light Level, for M16/M16A1 Rifle, FSN 1005-071-1815.

(2) Post Assembly Front: Low Light Level, for M16/M16A1 Rifle, FSN 1005-145-6378.

c. If there is any doubt in the field as to the DA selected units, point of contact at ARMCOM is Dick Anderson, AUTOVON 793-6454/6481.

AMSAR-MMA

THIS SUPPLY LETTER EXPIRES 30 APRIL 1975

3. PERISCOPE, M19, FSN 6650-765-2971 .

Subject item is in an extremely critical supply position. Request every effort be made to locate and turn in all excess assets, serviceable or unserviceable to B14. Applicable credit will be given for all assets reported and turned in.

AMSAR-MMW

4. MULTIMETER, FSN 6625-553-0142 .

a. Subject item has been removed from the following supply catalogs:

(1) Shop Equipment, Automotive Maintenance and Repair: Organizational Maintenance, Common No 1, Less Power, SC 4910-95-CL-A74, FSN 4910-754-0654, LIN W32593.

(2) Shop Equipment, Automotive Maintenance and Repair: Organizational Maintenance, Common No 2, Less Power, SC 4910-95-CL-A72, FSN 4910-754-0650, LIN W32730.

b. Due to density of above shop equipment tool sets and procurement backlog, Multimeter, Part Number TS-352 B/U, LIN M81372 will be authorized "as required." Requisitions should be directed to B16 as item manager.

c. This change will be incorporated in the November 1974 issue of SB-700-20, IAW-AR-708-1, Chap 9, dated 3 Jan 74.

AMSAR-MAT

5. FIXTURE, GUN TUBE LEVELING WITH CASE.

a. A new item, Fixture, Gun Tube Leveling with Case, FSN 4933-540-1129 (Tentative), has been authorized by Maintenance for issue to units using the M102 Howitzer on the basis of one each per Battery and one each per DSU and GSU.

b. This item should be available for issue on or about 1 Aug 74.

c. It is suggested that all using units of the M102 Howitzer at Battery Level, each DSU, and GSU supporting units using the M102 Howitzer, include in their Budget Submission for FY75, the amount necessary to cover procurement of this item as it becomes available. This item will be a Stock Fund item Costing approximately \$645.00.

d. This Leveling Fixture was described in the Weapons Information Letter distributed by the US Army Field Artillery School in Nov 73.

AMSAR-MMT

6. ROUTING IDENTIFIER CODE B54.

a. What is considered to be the final action on the consolidation of MUCOM and WECOM into ARMCOM was completed on 1 April 1974. This was the worldwide broadcast of changes to AMDF to change the Routing Identifier Code of B54 (MUCOM prior to 1 July 1973) to B14 (ARMCOM). This involved some 14,000 items and all but approximately 1,800 items were included in the change notice effective 1 April 1974. The remaining 1,800 items, which were validation rejects by USACDA, will be included in future catalog changes as soon as re-entry permits.

b. The ARMCOM NICP and depot files were converted in their entirety from B54 to B14 by special programs without reference to the AMDF broadcast. As a result, customer requisitions, follow-ups and excess reports with a RIC to of B54 for those items not changed in the AMDF broadcast dated 1 April 1974, will continue to be routed to ARMCOM for appropriate action. However, status and replies to inquiries will contain B14 in the RIC from field.

AMISAR-MMD

7. INERT AMMUNITION ITEMS.

"This Command receives numerous requests for various inert ammunition items to be used for training purposes. ARMCOM is unable to satisfy some of these requests due to the fact that there is no stock on hand in CONUS depots and the quantity involved is uneconomical to procure. As a possible means of satisfying some of these unfilled requirements, request this Command be advised, by letter attention AMISAR-PIV, as to any inert ammunition items you have on hand which are no longer required and are available for redistribution."

8. SALVAGE OF FIRED 105MM CARTRIDGE CASES M14B4.

a. All CONUS users of the "spiral wrap" 105MM Cartridge Case M14B4 are requested to accumulate fired cases for salvage.

b. When economic rail or truckload quantities are available, ship to: Red River Army Depot, ATTN: W45G18, Texarkana, Texas. No special packing or handling is required. Red River will demilitarize, trim the case bodies and accumulate the base plates for reuse in production contracts.

AMISAR-PIV

9. MASTER ITEM DATA FILE (MIDF).

a. In the past, the Munitions Command has published a hard copy MIDF for all MUCOM items. The last such copy was printed 1 Aug 73. Due to conservation measures and the MUCOM/WECOM merger to ARMCOM no future publication of the MIDF is planned.

b. All items in the Army Master Data File (AMDF) are distributed by the Cataloging Data Agency (CDA) New Cumberland, PA. The exception is, for the Nuclear Ordnance items, ARMCOM makes distribution of the AMDF to authorized recipients only. Further guidance pertaining to the new method of identifying Nuclear Ordnance items (in the AMDF) will be forthcoming for authorized recipients.

AMSAR-MAN

10. RETURN OF PERISCOPES PLASTIC VISION BLOCK TYPE.

The following items are undergoing a study for feasibility to repair. Therefore, in order to accumulate sufficient assets to accomplish the study, request the necessary steps be taken to accelerate the return of all unserviceable assets through reporting to ARMCOM in accordance with AR 755-1.

<u>FSN</u>	<u>NOUN</u>	<u>FSN</u>	<u>NOUN</u>
6650-344-4643	Periscope M27	6650-759-7754	Periscope M13
6650-509-2743	Periscope M45	6650-768-8875	Periscope M26
6650-704-3549	Periscope M17	6650-856-9455	Periscope M37

AMSWE-MAN

11. VULCAN AIR DEFENSE SYSTEM, 20MM M163/M167.

a. Frankford Arsenal Engineering has been attempting to conduct a failure analysis program of various components of the VPS-2 Range Only Radar installed on subject systems. However, the response to this program, initially broadcast in WECOM Supply Letter No 4-72, dated 27 March 1972, has been less than satisfactory.

b. In order to complete the failure analysis program, request all unserviceable assets of the following items, generated at Vulcan field units and training centers, be shipped to Commander, Frankford Arsenal, ATTN: SMUFA-N6200, M/F Failure Analysis, Philadelphia, PA 19137.

<u>FSN</u>	<u>ITEM</u>	<u>FSN</u>	<u>ITEM</u>
1285-034-4782	Amplifier	1285-089-8802	Isolator
1285-034-4824	Filter	1285-454-8698	Oscillator
1285-052-0213	Power Divider	1285-454-8699	Oscillator
1285-052-0214	Phase Shifter	1285-454-8702	Oscillator
1285-052-0307	Circulator	1285-454-8703	Oscillator
1285-052-4018	Oscillator	1285-454-8705	Oscillator
1285-052-4023	Amplifier	1285-727-3969	Generator
1285-054-8492	Inverter	1285-855-5936	Delay Line

<u>FSN</u>	<u>NOUN</u>	<u>FSN</u>	<u>NOUN</u>
1285-056-0060	Attenuator	1285-871-7205	Oscillator
1285-059-5847	Balance Mixer	5985-052-0220	Coupler
1285-067-8008	Oscillator	6625-855-5954	Indicator
1285-071-8162	Delay Line		

c. Termination of this program will be announced in a subsequent supply letter.

AMSAR-MMW

12. ALL CAL. .30, CAL. .50 AND 7.62MM MACHINE GUN MOUNTS.

a. Subject mounts are being turned in by the field minus pintles, traversing and elevating mechanisms, and adapters. In many cases, these parts are being retained with the weapon, rather than removed and assembled to the mount. This is creating a problem at the time of overhaul in that these mounts cannot be repaired until such parts are made available through procurement.

b. The foregoing results in increased overhaul costs and extensive time delays; however, this problem can be remedied by assuring that all parts of the mount are with the assembly at the time of turn-in.

AMSAR-MMA

13. REPAIR PART REQUIREMENTS FOR ACTUATOR M102 HOWITZER.

a. At the present time, there are three different types of actuators used on the M102 Howitzer.

b. To requisition repair parts, it is necessary to determine which type of actuator is installed on weapon.

c. This is accomplished by removing cover, Item 2, Fig 33 (TM 9-1015-234/34) check data plate on gear and housing assembly for ordnance part number.

d. If part number found is 8436516, this is an Air Research manufactured item. The replacement parts will be as follows:

(1) Gear and Housing Assembly, FSN 1015-940-8078.

(2) Control Assembly, FSN 1015-120-0411.

e. If part number found is 8436516-1, this is an Illinois Tool manufactured item. It will be necessary to requisition both gear and housing assembly, FSN 1015-940-8078, and control assembly, FSN 1015-120-0411.

f. If part number found is 8447373, this is a Rock Island Arsenal manufactured item. The replacement parts will be as follows:

(1) Gear and Housing Assembly, FSN 1015-169-4823.

(2) Control Assembly, FSN 1015-165-1017.

g. Request all maintenance elements be advised of these requirements.

AMSAR-MAA

14. TOOL KITS, SETS AND OUTFITS.

a. All ARMCOM managed Tool Kits, Sets and Outfits (both Common and Special) are controlled items of supply. Therefore, request the following exception data be reflected on all requisitions submitted this Command for other than PEMA funded major end items.

(1) Using unit and unit identification code.

(2) TO&E, TA or TDA authorization.

(Note: In cases where the unit designation or authorization is classified, reference the classified authorization document on the requisition.)

(3) Whether the item is required for INITIAL or REPLACEMENT issue.

b. Requisitions for PEMA funded major end items will be submitted in accordance with Para 3-30d, Change 33, AR 725-50.

c. Tool Kits, Sets and Outfits are not, repeat not, stockage type items. Any requisition received with a stockage R/O as basis will not be honored. Additionally, Supply Catalogs (SC's) and Technical Manuals (TM's) are reference publications and should not be cited as authorization documents.

d. Compliance with the above requirements will result in improved supply action throughout all levels.

AMSAR-MMT

15. CUSTOMER EXCESS CARDS.

It is requested that all customer excess cards, Document Identifier Code "FTE" and also follow ups FTF and FTC cancellations be forwarded to the US Army Armament Command via AUTODIN. Those installations that do not have AUTODIN facilities should mail the customer excess cards to CDR US Army Armament Command, ATTN: AMSAR-MMD-L, Rock Island, IL 61201.

AMSAR-MMD

16. EXCEPTION DATA REQUISITIONS.

a. Paragraph 3-5a, AR 725-50 specifies that DD Form 1348m (Mechanical Document) will be used by requisitioners equipped with automatic data processing (ADP), EAM systems, or card punching facilities. However, many requisitioners, known to be equipped with such facilities, are utilizing the DD Form 1348 (Manual Document) in lieu thereof only because exception data was applied to the requisition.

b. Presence of exception data, in itself, should not preclude use of the Mechanical DD Form 1348m. This data should be typed or written in the "Remarks" block and if necessary continued on the reverse side of the mechanical card.

c. Corrective action to comply with the foregoing would result in the following benefits:

(1) Transcription errors would be curtailed.

(2) Requisition processing times would be reduced.

(3) Would facilitate machine sorting/merging of requisitions and result in more timely and accurate replies to follow-up and cancellation requests.

d. This matter cannot be emphasized too strongly, and your efforts to help us help you would be appreciated.

AMSAR-MMJ

17. SIGHT UNIT, M53, FSN 1240-856-9452.

a. Subject item is coded supply status six, unauthorized item of supply, and is comprised of the following two authorized major components.

1 ea Mount, Telescope M128, FSN 1240-823-5613

1 ea Elbow, Telescope M109, FSN 1240-823-5612

b. The Mount is currently coded as repairable, whereas the Elbow, which is assigned a nonrepairable code, has repair potential. After full evaluation of a pilot rebuild program, the Elbow will be properly coded.

c. As both of the above items are critically required and are appearing on the Automatic Return Items Listing, request any excesses be disassembled and automatically returned to Tooele Army Depot (W67G23) under the individual component FSN's cited above.

AMSAR-MMW