

LIST OF APPLICABLE PUBLICATIONS (LOAP)

FOR

SHILLELAGH GUIDED MISSILE SYSTEM

**DEPARTMENT OF THE ARMY
MARCH 1982**

TECHNICAL MANUAL)
)
No. 9-1425-465-L)

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, D.C., 4 March 1982

LIST OF APPLICABLE PUBLICATIONS (LOAP)

FOR

SHILLELAGH GUIDED MISSILE SYSTEM

Current as of 1 December 1981

REPORTING ERRORS AND RECOMMENDING IMPROVEMENTS

You can help improve this publication. 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, U. S. Army Missile Command, ATTN: AMSMI-SNPM, Redstone Arsenal, AL 358985238. A reply will be furnished to you.

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*This publication supersedes TM 9-1425-465-L, dated 11 April 1980.

Section I. GENERAL INFORMATION

1. Purpose.

This technical manual identifies publications which apply to the REDEYE Guided Missile System. These publications are necessary to support the equipment and perform the assigned mission.

2. Arrangement.

The publications listed in Sections II through VI of this manual are arranged in numerical order by publication number. For each publication listed, the following information is provided: Changes currently in effect, title and date of publication.

3. Security Classification

a. Publications classified SECRET or CONFIDENTIAL are identified by symbols (S) or (C) preceding the number. The title or subject of classified publications, if unclassified, is followed by (U). Classified titles of publications are not listed, and the word CLASSIFIED will appear in the title column. Classified publications are distributed on a need-to-know basis. These publications must be safeguarded in accordance with AR 380-5.

b. The symbol (0) preceding the number denotes a publication which is FOR OFFICIAL USE ONLY. Publications FOR OFFICIAL USE ONLY must be protected in accordance with AR 340-17.

4. Requisitioning of Publications

a. Additional copies of the publications listed herein which are required in the performance of your mission may be requisitioned on DA Form 4569 (USAAGPC Requisition Code Sheet). Forward requisitions to: Commander, U. S. Army AG Publications Center, 2800 Eastern Boulevard, Baltimore, MD 21220.

b. Unclassified publications and changes to these publications should be requisitioned by Army publication account holders via the AUTODIN (Automatic Digital Network) Data Transmission System. There is no method for requisitioning interim changes. To use the AUTODIN Data Transmission System, the following steps must be followed.

(1) Complete a USAAGPC Requisition Code Sheet, DA Form 4569. This can be handwritten with pencil or pen.

(2) Determine the type of local communications support available from your installation Telecommunications Center (TCC). If punched card transmission capability exists, go to paragraph (3). If only teletype transmission capability exists, go to paragraph (4).

(3) Determine if local keypunch support is available. If so, arrange to have the DA Form 4569 keypunched. If no keypunch support exists, follow the procedures in paragraph (4) below.

(a) Deliver the punched cards and a completed Data Message Form 1392 to your TCC for transmission in a "card-to-card" (CC) format.

(b) Be sure that Commander, AG Publications Center, 2800 Eastern Boulevard, Baltimore, MD 21220 appears on the "To" line of the DD Form 173.

(4) If local keypunch support is not available or if only teletype transmission capability exists, complete a Joint Message form, DD Form 173. DD Form 173 must be prepared in four copies (original plus three carbons). Do not use OCR versions of the DD Form 173.

(a) Attach completed coding sheets (DA Form 4569) to the DD Form 173.

(b) Deliver both forms to your servicing TCC for transmission in a "teletype-to-card" (TC) format.

(c) Insure that the appropriate Army Publications Center (Baltimore, or St. Louis) appears on the "TO" line of the DD Form 173.

(d) If TCC support is not available, complete a Disposition Form, DA Form 2496. Mail the DF and the coding sheets to the Army Publications Center. The Center will keypunch your requisition and process it through the resupply program. Forms containing errors will be returned to you by mail for correction and resubmission.

c. The AUTODIN User's Manual, Misc. Pub. 18, 1 October 1977, should be consulted for further instructions. This manual will be incorporated in a future revision of DA Pamphlet 310-10 by the Army Publications Directorate. Additional copies of the User's Manual may be requisitioned under the nomenclature of MISC PUB 18 from Commander, AG Publications Center, 2800 Eastern Boulevard, Baltimore, MD 21220. Consult local library personnel for further information concerning AUTODIN.

NOTE

All Army Publication Account holders must submit account numbers on requisitions. Non-account holders must establish an account and obtain an account number in order to submit requisitions.

Section II. TECHNICAL MANUALS

Publication Number	Title	Date
TM 9-1410-465-35 C1 - C17	DS, GS, and Depot Maintenance Manual: Surveillance of Surface Attack Guided Missiles MOM-51A, MGM-51B, and MGM-51C, and Practice Missiles MTM-51A, MTM-51B, and MTM-51C	1 Jun 66
TM 9-1425-465-34 C1 - C5	Direct Support and General Support Maintenance Manual: Units of SHILLELAGH System Tested and Repaired by LCSS (Land Combat Support System)	6 Jan 72
(C) TM 9-1430-465-30 C1 - C11	DS Maintenance Manual: Troubleshooting of the SHILLELAGH Guided Missile Guidance and Control Set Using the Guided Missile System Test Set AN/MSM 93(X0-2) (SHILLELAGH Guided Missile System) (U)	14 Sep 67
TM 9-2350-230-ESC C1 - C4	Equipment Serviceability Criteria for Armored Reconnaissance /Airborne Assault Vehicle, Full-Track, 152-MM Gun/Launcher M551	23 May 79
TM 9-2350-230-10 C1 - C5	Operator's Manual (Crew) for Armored Reconnaissance /Airborne Assault Vehicle, Full-Track, 152-MM Gun/Launcher M551 (2350-00-873-5408) and M551A1 (2350-00-140-5151) (SHERIDAN)	10 Jun 76
TM 9-2350-230-12 C1 - C14	Operator and Organizational Maintenance Manual: Armored Reconnaissance/Airborne Assault Vehicle: Full-Track, 152-MM Gun/Launcher, M551A1 (2350-00-140-5151)	1 Jun 66
TM 9-2350-232-10 C1 - C5	Operator's Manual: Tank, Combat, Full Track: 152-MM Gun/Launcher, M60A2 W/E t2350-00-930-3590)	13 Apr 73
TM 9-2350-232-20-2	Organizational Maintenance Manual for Turret, Elevating and Traversing Systems, Cupola, Gun/Launcher, and Mount Used on Tank, Combat, Full-Track, 152-MM Gun/Launcher M60A2 (2350-00-930-3590)	15 Feb 75

Publication Number	Title	Date
TM 9-4935-465-14 C1 - C8	Operator, Organizational, Direct Support, and General Support Maintenance Manual: Guided Missile System Test Set, AN/MSM-93 (SHILLELAGH Guided Missile System)	2 Oct 67
TM 9-4935-466-14 C1	Operator and Organizational, US, and GS Maintenance Manual: Shop Equipment, Conduct of Fire Trainer, Semitrailer Mounted (SHILLELAGH Guided Missile System)	20 Feb 79
TM 9-4935-557-34 C1 - C2	Direct Support and General Support Maintenance Manual: Units of SHILLELAGH Guided Missile System Test Station Supplementary Equipment Tested and Repaired by LOSS (Land Combat Support System)	13 Apr 73
TM 9-6920-466-12	Operator and Organizational Maintenance Manual: SHILLELAGH Conduct of Fire Trainer (SHILLELAGH Guided Missile System)	17 Jan 79
TM 9-6920-466-34 C1	Direct Support and General Support Maintenance Manual: SHILLELAGH Conduct of Fire Trainer (SHILLELAGH Guided Missile System)	22 Feb 79
TM 55-6920-465-15-1	Transportability Guidance, SHILLELAGH Guided Missile System Surface Attack, Guided Missile, MOM-51A (1410-00-999-0857); MGM-51B (1410-00-930-4724); Practice Guided Missile, MTM-51A (1410-00-999-0132); MTM-51B (1410-00-930-4722); Launcher, Armored Reconnaissance/Airborne Assault Vehicle, M551 (5350-00-873-5409) and Launcher, Tank Combat, Full Tracked, M60A1E2 (2350-00-930-3590)	5 Jan 72
TM 746-236	Preservation and Packing Procedures, Redeployment and Retrograde Materiel (SHILLELAGH Missile System)	31 Jul 80
TM 750-262-4-8	Demilitarization Procedure for SHILLELAGH Guided Missile System	30 Mar 73

Section II. TECHNICAL MANUALS - Continued

Publication Number	Title	Date
TM 9-1400-465-24P C1 - C2	Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) For Signal Data Converter (1430-00-949-5489); Infrared Modulator (1430-00-925-2627); Guided Missile Infrared Tracker (1430-00-921-6445); Guided Missile Target Tracking Rate Sensing Unit (1430-00-947-6953); Infrared Transmitter (1430-00-921-6447); Guided Missile Remote Control Components Test Set (4935 00-921-6481); Power Supply PP-4255A/M (1430 00-179-4065); Guided Missile Test Set AN/TJM-1A (4935-00-135-0056); Guided Missile Remote Control System Infrared Transmitter Alignment Set (4935-00-999-2187) Guided Missile Remote Control System Infrared Transmitter Alignment Set (4935-00-045-9864); Surface Attack, Guided Missile MOM-51A (1410-00-999-0857); Surface Attack, Guided Missile MGM-51B (1410-00-930-4724); Surface Attack, Guided Missile MGM-51C (1410-00 878-7219) (SHILLELAGH Guided Missile System)	15 May 75
TM 9-4935-465-34P-3	Direct Support and General Support Maintenance, Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) for Tester, Conduct of Fire Trainer (4935-00-177 8253) and Shop Equipment, Conduct of Fire Trainer, Trailer-Mounted (4935-00-179 5584) (SHILLELAGH Guided Missile System)	30 June 75
TM 9-4935-557-34P	Direct Support and General Support Maintenance Manual Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) For Supplementary Equipment Guided Missile System Test Station MK-1166/TSM-93 (SHILLELAGH) (4935-00-177-9502) Land Combat Support System)	5 Jun 79

Publication Number	Title	Date
TM 9-6920-466-24P	Organizational, Direct Support, and General Support Maintenance Repair Parts and Special Tools List (Including Depot Maintenance Repair Parts and Special Tools) For Trainer, Launcher, Conduct of Fire M62 (6920-01-048-8558) and Trainer, Target, Conduct of Fire M63 (6920-01-048-8557) (SHILLELAGH Guided Missile System)	10 Apr 79

Section IV. MODIFICATION WORK ORDERS

Publication Number	Title	Date
MWO 9-1430-465-50-1	Modification of Infrared Tracker Subassembly (10122489) to Install: Self-Locking Nylon Setscrews; Rigid-Arm Actuator; Differential Screw Assembly; and EMI Filter (SHILLELAGH Guided Missile System)	25 Feb 80
MWO 9-1430-465-50-2	Modification of the Signal Data Converter (10152846) to Add: Module Board A14; Transmitter Test Time Limiter; and Test Capability for the Display Logic, Fire Relay, and Modulator (SHILLELAGH Guided Missile System)	25 Feb 80
MWO 9-1430-465-50-3	Modification of Infrared Tracker (10121399) to Install: Self-Locking Nylon Setscrews; Rigid-Arm Actuator; Differential Screw Assembly and EMI Filter (SHILLELAGH Guided Missile System)	25 Feb 80
MWO 9-4935-465-50-3	Modification of Test Set, SHILLELAGH Guided Missile Remote Control Components (Test Checkout Panel): TS-2407/V Installation of Electronic Null Indicator (Normal)	22 Jun 79
MWO 9-4935-466-50-1	Modification of Semi-Trailer Van Shop, M146; Installation of Shop Equipment, Conduct of Fire Trainer, Semitrailer Mounted (SHILLELAGH Guided Missile System) (Normal)	1 Aug 79

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Section V. TECHNICAL BULLETINS

Publication Number	Title	Date
TB 9-380-101-13	Security Classification Guide	28 Jun 79
TB 9-1425-550-10	Storage Plan and Inventory List for Guided Missile System Test Station AN/TSM-93; Guided Missile System Shop Equipment AN/TSM-94 and Land Combat Support System (LOSS), SHILLELAGH, TOW, LANCE, and DRAGON Supplementary Equipment	15 Jan 81
(C)TB 9-4935-465-50/1	Calibration Procedure for Fault Locator (4935-00-879-3114) (SHILLELAGH Guided Missile System) (U)	19 Dec 68
(C)TB 9-4935-465-50/2 C1 - C4	Calibration Procedure for Transmitter Signal Analyzer (4935-00-879-3126) (SHILLELAGH Guided Missile System)(U)	5 Feb 69
TB 9-4935-465-50-3	Calibration Procedure for Maintenance Test Set (4935-00-177-8255) (SHILLELAGH Guided Missile System)	22 Feb 78

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Section VI. GENERAL PUBLICATIONS

Publication Number	Title	Date
SB 740-1400-92-127	Storage Serviceability Standard for USAMICOM Materiel: Alignment Set, Infrared Transmitter, GM System, M45 (4935-00-999-2187), M45A1 (4935-00-045 9864); Test Set, Guided Missile System, AN/MSM-93 (4935-00-879-0393); Test Set, Guided Missile, AN/TJM-1A (4935-00-134 0056); Trainer, Launcher, Conduct of Fire, M41 (6920-00-930-4009), M43 (6920 00-927-1155); Target, Conduct of Fire, M42 (6920-00-930-4008); Shop Equipment, Conduct of Fire Trainer, Semitrailer, Mounted (4935-00-179-5584); Test Set Maintenance, Conduct of Fire Trainer (4935-00-177-8255) Guidance and Control Components (SHILLELAGH Guided Missile System)	5 May 71
SB 742-1410-92-004 C1	Ammunition Surveillance Procedure for USAMICOM Materiel: Surface Attack and Practice MGM/MTM-51A, B. and C Series Guided Missiles (SHILLELAGH Guided Missile System)	26 Sep 80

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By Order of the Secretary of the Army:

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Chief of Staff

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To be distributed in accordance with DA Form 12-32, Operator, Organizational, Direct Support and General Support Maintenance requirements for REDEYE Air Defense Guided Missile System.

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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
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