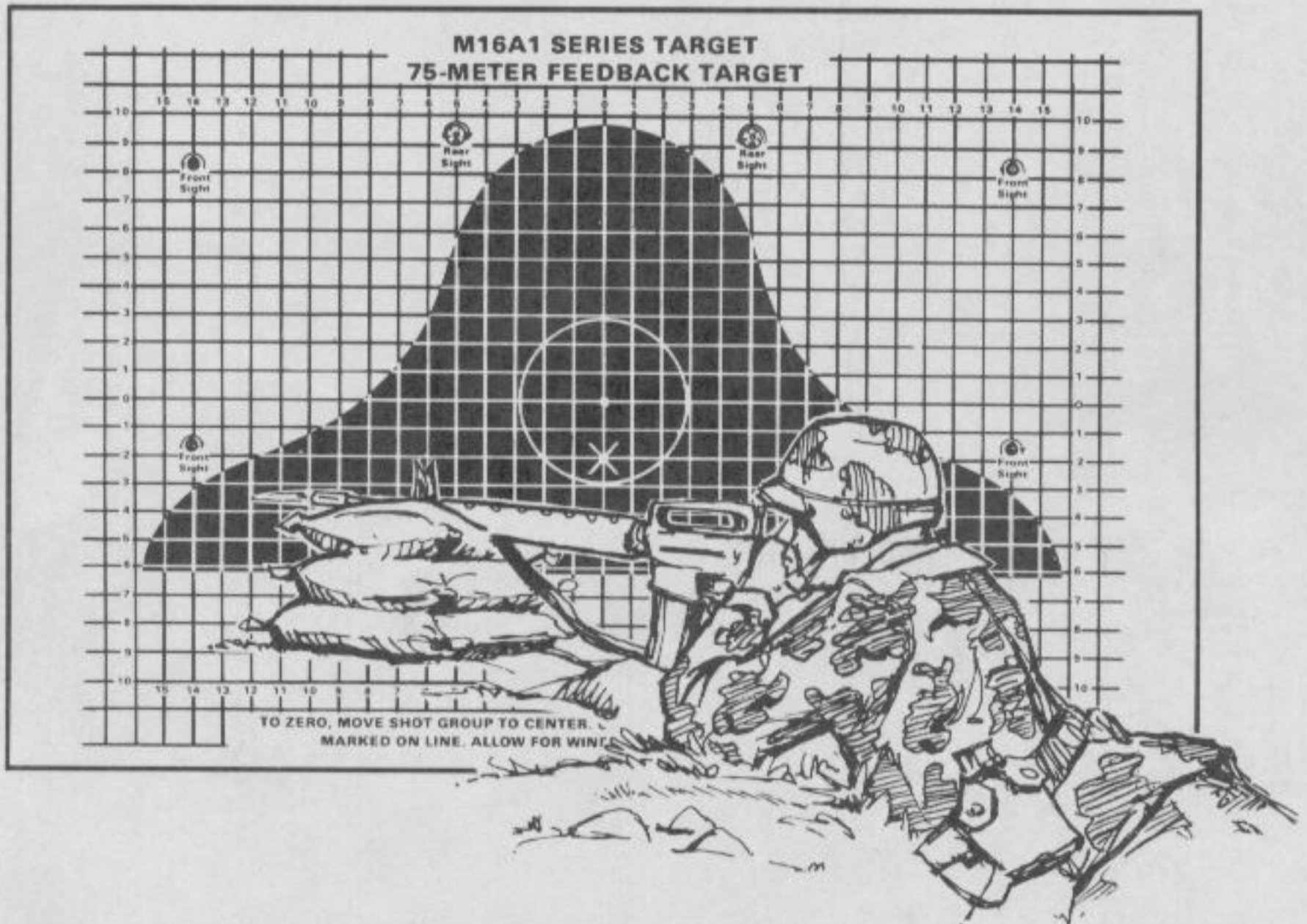


M16A1 AND M16A2 RIFLE MARKSMANSHIP



DISTRIBUTION RESTRICTION-Distribution authorized to US Government agencies and their contractors to protect technical and operational information from automatic dissemination under the International Exchange Program or by other means. This determination was made on 2 November 1988. Other requests for this document will be referred to Commandant, US Army Infantry School, ATTN: ATSH-I-V-P, Fort Benning, GA 31905-5593.

DESTRUCTION NOTICE-Destroy by any method that will prevent disclosure of contents or reconstruction of the document.

JULY 1989

M16A1 AND M16A2 RIFLE

MARKSMANSHIP

DISTRIBUTION RESTRICTION-Distribution authorized to US Government agencies and their contractors to protect technical and operational information from automatic dissemination under the International Exchange Program or by other means. This determination was made on 2 November 1988. Other requests for this document will be referred to Commandant, US Army Infantry School, ATTN: ATSH-I-V-P, Fort Benning, GA 31905-5593.

DESTRUCTION NOTICE-Destroy by any method that will prevent disclosure of contents or reconstruction of the document.

*This publication supersedes FM 23-9, 14 June 1974 and rescinds DA Forms 3008-R, Nov 73; 5238, Jul 83; 5240, Jul 83; 5242, Jul 83; and 5243, Jul 83.

CONTENTS

		Page
	PREFACE	iv
CHAPTER	1. INTRODUCTION	
	Training Strategy	1-1
	Combat Conditions	1-4
CHAPTER	2. OPERATION AND FUNCTIONING	
Section	I. Operational Characteristics	2-2
	M16A1 Rifle	2-2
	M16A2 Rifle	2-2
	II. Functioning	2-3
	Steps of Functioning	2-3
	Semiautomatic Mode (M16A1 and M16A2)	2-8
	Automatic Fire Mode (M16A1)	2-8
	Burst Fire Mode (M16A2)	2-9
	III. Malfunctions and Corrections	2-10
	Stoppage	2-10
	Major Categories of Malfunctions	2-11
	Other Malfunctions.....	2-14
	IV. Ammunition	2-16
	Types and Characteristics	2-16
	Care and Handling.....	2-17
	V. Destruction of Materiel	2-18
	Means of Destruction	2-18
	Field-Expedient Methods.....	2-18
CHAPTER	3. RIFLE MARKSMANSHIP TRAINING	
Section	I. Basic Program Implementation	3-1
	Instructor/Trainer Selection	3-2
	Duties of the Instructor/Trainer	3-2
	II. Conduct of Training	3-3
	Mechanical Training	3-3
	Marksmanship Fundamentals	3-5
	Firing Positions	3-12
	III. Dry Fire	3-18
	Conduct of Dry-Fire Training	3-18
	Peer Coaching	3-18
	Checklist for the Coach	3-20
	Position of the Coach	3-21
	Grouping	3-21
	Concept of Zeroing	3-21

	Page
M16A1 Standard Sights and Zeroing	3-22
M16A2 Standard Sights and Zeroing	3-25
Downrange Feedback Training	3-27
Field Fire Training	3-27
Practice Record Fire	3-27
Record Fire	3-27
CHAPTER 4. COMBAT FIRE TECHNIQUES	
Section I. Suppressive Fire	4-1
Nature of the Target	4-1
Point of Aim	4-1
Rate of Fire	4-2
Section II. Rapid Semiautomatic Fire	4-3
Effectiveness of Rapid Fire	4-3
Modifications for Rapid Fire	4-3
Rapid-Fire Training	4-7
Section III. Automatic Fire	4-7
Effectiveness of Automatic Fire	4-8
Modifications for the Automatic Fire Position	4-9
Training of Automatic Fire Techniques	4-10
Section IV. Quick Fire	4-11
Effectiveness of Quick Fire	4-11
Modifications for Quick-Fire Techniques	4-13
Training for Quick-Fire Techniques	4-13
Section V. MOPP Firing	4-14
Effects of MOPP Equipment on Firing	4-14
Effects of Aiming Modifications	4-16
Operation and Function Modifications	4-17
MOPP Fire Exercises	4-18
Section VI. Moving Target Engagement	4-19
Moving Target Techniques	4-19
Moving Target Fundamentals	4-20
Single-Lead Rule for Moving Targets	4-21
Lead Requirements	4-22
Multipurpose Range Complex Train-Up	4-25
CHAPTER 5. NIGHT FIRING	
Considerations	5-1
Principles of Night Vision	5-2
Target Engagement Techniques	5-4
Training	5-5
APPENDIX A. YEAR-ROUND MARKSMANSHIP TRAINING	A-1
APPENDIX B. TARGET DETECTION	B-1
APPENDIX C. TRAINING AIDS AND DEVICES	C-1