

FIELD MANUAL
No. 23-31

HEADQUARTERS
DEPARTMENT OF THE ARMY
Washington, DC, 20 September 1994

40-MM GRENADE LAUNCHER, M203

Contents

	<u>Page</u>
Preface	iv
CHAPTER 1. INTRODUCTION	
1-1. Training Strategy	1-1
1-2. Combat Conditions	1-4
CHAPTER 2. OPERATION AND FUNCTION	
2-1. Operation.....	2-1
2-2. Loading	2-1
2-3. Unloading	2-2
2-4. Cycle of Functioning	2-3
CHAPTER 3. DESCRIPTION AND MAINTENANCE	
3-1. Description.....	3-1
3-2. Technical Data.....	3-2
3-3. Components.....	3-3
3-4. Ammunition	3-7
3-5. Clearing Procedures.....	3-11
3-6. General Disassembly	3-11
3-7. Cleaning and Lubrication	3-12
3-8. Inspection	3-13
3-9. General Assembly	3-14
3-10. Care and Handling	3-16
3-11. Care and Handling Under NBC Conditions	3-16

DISTRIBUTION RESTRICTION: Approved for public release;
distribution is unlimited

*This publication supersedes FM 23-31, 1 May 1972; and rescinds
DA Form 2946-R, JUL 74.

	<u>Page</u>
CHAPTER 4. PERFORMANCE PROBLEMS AND DESTRUCTION	
4-1. Malfunctions	4-1
4-2. Stoppages	4-2
4-3. Immediate Action	4-3
4-4. Remedial Action	4-4
4-5. Destruction Procedures	4-4
CHAPTER 5. MARKSMANSHIP TRAINING	
Section I. PRELIMINARY MARKSMANSHIP TRAINING	5-1
5-1. Four Fundamentals of Marksmanship	5-2
5-2. Limited Visibility	5-8
5-3. NBC Environment	5-9
5-4. Fire Commands	5-9
5-5. Dry-Fire Exercises	5-9
5-6. Sensing and Adjustment of Fire	5-10
5-7. Grenade Launcher Range Layout	5-11
5-8. Description of Range and Targets	5-12
Section II. BASIC GUNNERY	5-14
5-9. Zeroing the M203 Grenade Launcher	5-14
5-10. Overall Qualification Standards	5-16
5-11. Day Record Fire	5-17
5-12. Day Record Fire Qualification Standards	5-21
5-13. Mounting the AN/PVS-4	5-22
5-14. Zeroing the AN/PVS-4 to the M203	5-23
5-15. Night Record Fire	5-25
5-16. Night Record Fire Qualification Standards	5-27
CHAPTER 6. COMBAT TECHNIQUES OF FIRE	
Section I. ADVANCED GUNNERY	6-1
6-1. Characteristics of Fire	6-1
6-2. Classes of Fire	6-1
6-3. Range Estimation	6-4
6-4. Predetermined Fires	6-7
6-5. Types of Targets	6-8
6-6. Decontamination	6-10
Section II. FIRE CONTROL	6-10
6-7. Methods of Fire Control	6-11
6-8. Fire Commands	6-11

	<u>Page</u>
Section III. APPLICATION OF FIRE	6-16
6-9. Suppressive Fire	6-16
6-10. Overwatch Fire.....	6-17
6-11. Area and Point Fire	6-17
6-12. Target Engagement	6-17
6-13. Limited Visibility	6-19
6-14. Overhead Fire.....	6-19
 CHAPTER 7. TRAIN-THE-TRAINER PROGRAM	
Section I. ORGANIZATION	7-1
7-1. Objectives.....	7-1
7-2. Mission-Essential Task List.....	7-1
7-3. Trainer Assessment.....	7-2
7-4. Assistant Trainers and Cadre Coaches	7-2
7-5. Command Benefits.....	7-3
7-6. Program Phases	7-3
Section II. TRAINING TASKS	7-4
7-7. Phase I, Preliminary Marksmanship Instruction.....	7-4
7-8. Phase II, Basic Gunnery	7-6
Section III. TRAINERS' CERTIFICATION	7-7
7-9. Training Base	7-7
7-10. Certification Outline	7-7
 APPENDIX A. 40-MM GRENADE LAUNCHER, M79	A-1
APPENDIX B. UNIT TRAINING PROGRAM.....	B-1
APPENDIX C. PROFICIENCY (PERFORMANCE)	
EXAMINATION.....	C-1
APPENDIX D. RANGE SAFETY	D-1
GLOSSARY	Glossary-1
REFERENCES.....	References-1
INDEX	Index-1