CAMOUFLAGE

Contents

Pag	ŗе
Preface	i
Part One—BASICS OF CAMOUFLAGE	
Chapter 1. Camouflage Concepts	
1-1 Doctrinal Considerations	l
Preventing Detection	l
Improving Survivability	į
Improving Deception Capabilities	l
Integrating Smoke Operations	l
1-2 Responsibilities	2
The Soldier	
The Commander	2
1-3 Camouflage Priorities	
Recognizing Technological Impact	
Determining Priorities	
1-4 Training	
Individual Training	
Unit Training	
Training Evaluation	
1-5 Fratricide	
1-6 Material	

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

^{*}This manual supersedes FM 5-20, 20 May 1968; TC 5-200, 28 August 1975; and TM 5-200, 10 April 1968.

	Page
Chapter 2. Threat	
2-1 Data Collection	.2-1
Target Acquisition	.2-1
Intelligence Production	
2-2 Organization	.2-1
Troops	.2-1
Motorized Rifle and Tank Regiments	.2-1
Maneuver Divisions	.2-1
2-3 Doctrine	.2-2
Observation Posts	.2-2
Patrols	.2-2
Raids	.2-2
2-4 Sensor Systems	.2-2
Classification	.2-2
Visual Sensors	.2-2
Near-Infrared (NIR) Sensors	.2-3
IR Sensors	.2-3
UV Sensors	.2-4
Radar	
Acoustic Sensors	
Radio Sensors	2-5
Chapter 3. Fundamentals of Camouflage	
Section I. Counterdetection Techniques	
3-1 Avoiding Detection	3-1
3-2 Identifying the Threat	3-1
3-3 Avoiding Detection by Routine Surveillance	3-2
3-4 Taking Countermeasures	3-2
3-5 Applying Realistic Camouflage	3-2
Visual Sensors	3-2
Near-Infrared (NIR) Sensors	3-2
IR Sensors	
UV Sensors	
Radar	
Acoustic Sensors	
Radio Sensors	3-3

	Page
3-6 Minimizing Movement	.3-4
3-7 Using Decoys	
3-8 Continuously Avoiding Detection	
3-9 Avoiding Operational Patterns	
• • • • • • • • • • • • • • • • • • •	
Section II. Detection Factors	
3-10 Factors	.3-4
3-11 Shape	.3-5
3-12 Shadow	.3-5
3-13 Color	.3-5
3-14 Texture	.3-5
3-15 Patterns	.3-5
Equipment Patterns	.3-5
Terrain Patterns	.3-5
3-16 Movement	.3-5
3-17 Temperature	.3-5
3-18 Radar Return	.3-5
Section III. Camouflage Principles	
3-19 Site Selection	.3-6
Mission	.3-6
Dispersion	.3-6
Terrain Patterns	.3-6
3-20 Concealment	.3-6
Hiding	.3-6
Blending	.3-6
Disrupting	
Disguising	
3-21 Camouflage Discipline	
Light- and Heat-Source Discipline	
Noise Discipline	
Spoil Discipline	

	Page
Part Two—CAMOUFLAGE DURING TACTICAL	
OPERATIONS	
Chapter 4. Camouflage Techniques	
4-1 Natural Conditions	4-1
Terrain	
Limited Visibility	
Data Sources	4-2
4-2 Camouflage Materials	4-2
Pattern-Paints for Equipment	
LCSS	4-2
Vegetation	4-3
Expedient Paints	
4-3 Camouflage Discipline	4-3
Chapter 5. Offensive Operations	
5-1 Camouflage During Offensive Preparations	5-1
Considerations	
Signatures	
5-2 Preparations	
Assembly Areas	
Decoys	
Troop and Supply Movements	
Line Crossings	5-3
Deception Operations	5-3
5-3 Camouflage During the Battle	
Movement Considerations	5-3
Breaching Operations	5-3
Chapter 6. Defensive Operations	
Section I. Camouflage During Defensive	
6-1 Objectives	6-1
6-2 Signatures	6-1
6-3 Reserve and Counterattack Forces	
Planning	
Movement	
MOACHER	

Pag	ge
Assembly Areas	2
Placement and Dispersal	2
6-4 LCSS	3
6-5 Stoves and Fires	3
6-6 Communications	3
6-7 Camouflage Discipline	3
Section II. Survivability Positions and Obstacles	
6-8 Description	3
6-9 Placement	
6-10 Backgrounds	
6-11 Natural Camouflage	
6-12 Camouflage During Battle	
Chapter 7. Camouflage of High-Value Targets	
7-1 Command Posts (CPs)	
Signatures	
Camouflage	
Sites	
Radiotelephone Procedures	
Camouflage Discipline	
7-2 Supply and Water Points	
Operations	
Camouflage	
Traffic Control	
Water-Point Considerations	
7-3 Fixed Installations	4
Concept	4
Camouflage Plans	
7-4 Nuclear-Delivery Units	7
Mobility and Camouflage	7
Built-In Capabilities	7
Critical Nature	8
Chapter 8. Camouflage in Special Environments	
8-1 Desert	1
Topography	

Pa	ige
Shadows	-1
Placement	
Terrain Mottling	
Camouflage and Movement Discipline	-2
Noise and Light Discipline	
8-2 Snow-Covered Areas	
Paint	
Placement	
Movement	
Thermal Signatures	
8-3 Urban Terrain	-2
Planning	
Site Selection	
Establishing Fighting Positions	
Placing Vehicles	
Appendix A	
Appendix B	
Camouflage Requirements and Procedures Section I. Lightweight Camouflage Screen System	3 -1
	3-6
Section II. Sample LCSS Battle Drift (Illiand y Fighting Vellicie, 1922)	
Appendix C	2-1
Appendix D	
Glossary	
References	nces-1
Index	·1