



Table of Contents

Chap 1

FM 3-0 Operations (2008 Edition)

I. The Operational Environment	1-1
I. Instability and Persistent Conflict.....	1-1
II. Influences on the Operational Environment.....	1-1
III. The Changing Nature of the Threat.....	1-4
IV. Operational and Mission Variables	1-6
A. Operational Variables (PMESII-PT)	1-6
B. Mission Variables	1-6
V. Unified Action.....	1-6
A. Campaigns and Joint Operations.....	1-10
B. Joint Interdependence	1-10
C. Interagency Coordination and Cooperation with Other Organizations ...	1-12
D. Civilian Organizations.....	1-12
E. Multinational Operations	1-12
VI. Soldiers	1-13
VII. The Nature of Land Operations.....	1-16
VII. Law of War and Rules of Engagement.....	1-18
II. The Continuum of Operations.....	1-19
I. The Spectrum of Conflict	1-19
II. Operational Themes	1-20
A. Peacetime Military Engagement	1-22
B. Limited Intervention.....	1-24
C. Peace Operations	1-26
D. Irregular Warfare.....	1-27
E. Major Combat Operations.....	1-30
III. Full Spectrum Operations.....	1-31
I. The Operational Concept.....	1-31
A. Initiative.....	1-32
B. Simultaneity and Synchronization.....	1-33
C. Lethal and Nonlethal Actions	1-34
D. Mission Command	1-34
II. The Elements of Full Spectrum Operations.....	1-36
A. Offensive Operations	1-36
B. Defensive Operations	1-36
C. Stability Operations.....	1-36
D. Civil Support Operations.....	1-36
III. Combining the Elements of Full Spectrum Operations.....	1-46
IV. Combat Power	1-49
I. The Elements of Combat Power.....	1-49
II. Leadership	1-50
III. Information.....	1-51
IV. The Warfighting Functions.....	1-52
V. Combined Arms	1-54

A. Complementary and Reinforcing Capabilities.....	1-54
B. Unified Action	1-54
C. Force Tailoring and Task Organization	1-54
D. Mutual Support	1-55
V. Command and Control (C2).....	1-57
I. Exercise of Command and Control.....	1-57
II. Battle Command.....	1-58
A. Understand	1-60
B. Visualize.....	1-60
C. Describe.....	1-64
D. Direct	1-66
III. Control	1-68
A. Control Measures.....	1-68
B. Area of Operations	1-69
C. Common Operational Picture	1-70
IV. The Operations Process.....	1-71
V. Principles of War and Operations (Visualize)	1-74
VI. Operational Art	1-75
I. The Levels of War.....	1-75
II. Applying Operational Art	1-78
III. The Elements of Operational Design.....	1-79
A. Framing the Problem	1-80
B. Formulating the Design.....	1-82
C. Refining the Design	1-83
VII. Information Superiority	1-91
I. Information Superiority and Full Spectrum Operations.....	1-91
II. Army Information Tasks	1-92
A. Information Engagement.....	1-93
B. Command and Control Warfare	1-93
C. Information Protection.....	1-96
D. Operations Security	1-97
E. Military Deception	1-97
III. Intelligence, Surveillance, and Reconnaissance (ISR).....	1-98
IV. Knowledge and Information Management.....	1-98
VIII. Strategic and Operational Reach.....	1-101
I. Strategic Reach	1-101
A. Operational Maneuver from Strategic Distance	1-101
B. Expeditionary Campaigns	1-102
C. Expeditionary Army Forces.....	1-103
D. Force Projection.....	1-104
E. Entry Operations	1-105
II. Basing.....	1-106
A. Intermediate Staging Bases.....	1-106
B. Lodgements	1-107
C. Forward Operating Bases.....	1-107
III. Operational Reach.....	1-108
FM 3-0: Summary of Major Changes	1-109
I. New Army Terms.....	1-109
II. Modified Army Definitions	1-109
III. Rescinded Army Definitions.....	1-109
IV. Major Doctrinal Changes in FM 3-0.....	1-110
V. The Role of Doctrine.....	1-111

Movement & Maneuver Warfighting Function

Movement & Maneuver Warfighting Function Overview	2-1
Future Combat Systems (FCS)	2-2
I. The Army Modular Force	2-3
I. Transformation to a Modular Force.....	2-3
II. Division Echelon and Above	2-4
A. Division	2-4
B. Theater Army Headquarters Commands	2-6
C. Theater-Level Formations.....	2-7
II. Brigade Combat Teams (BCTs)	2-8
A. Heavy Brigade Combat Team	2-8
B. Infantry Brigade Combat Team	2-9
C. Stryker Brigade Combat Team.....	2-9
IV. Modular Support Brigades.....	2-10
A. Battlefield Surveillance Brigade	2-10
B. Fires Brigade.....	2-11
C. Combat Aviation Brigade	2-12
D. Sustainment Brigade	2-13
E. Maneuver Enhanced Brigade	2-13
F. Functional Brigades.....	2-14
II. Tactical Mission Tasks (FM 3-90)	2-15
I. Tactics	2-15
II. The Science and Art of Tactics	2-16
III. Tactical Mission Tasks	2-17
A. Effects on Enemy Forces.....	2-18
B. Actions by Friendly Forces.....	2-19
C. Mission Symbols.....	2-20
III. Mobility and Countermobility	2-21
I. Engineer Battlespace Functions	2-21
A. Combat Engineering	2-22
- Key Fundamentals of Combat Engineering	2-23
1. Mobility.....	2-22
- Aspects of Mobility	2-24
2. Countermobility	2-26
3. Survivability.....	2-26
B. Geospatial Engineering.....	2-27
C. General Engineering.....	2-27
II. Obstacle Planning.....	2-28
III. Operational Considerations	2-30
IV. Force Projection	2-31
I. Force Projection Processes.....	2-31
II. Deployment.....	2-32
- Deployment Principles.....	2-33
A. Deployment Phases.....	2-34
B. Deployment Planning.....	2-36
- Unit Movement Dates	2-37
III. Army Force Generation (ARFORGEN).....	2-38

Intelligence Warfighting Function

Intelligence Warfighting Function Overview.....	3-1
I. The Role of Intelligence	3-1
II. Categories of Intelligence	3-2
A. Indications and Warnings (I&W)	3-2
B. Current Intelligence.....	3-2
C. General Military Intelligence (GMI)	3-3
D. Target Intelligence.....	3-3
E. Scientific and Technical Intelligence (S&TI)	3-3
F. Counterintelligence (CI).....	3-3
III. Intelligence Process.....	3-4
A. Plan.....	3-4
B. Prepare	3-4
C. Collect.....	3-4
D. Process.....	3-4
E. Produce.....	3-5
IV. Intelligence Community	3-6
I. Intelligence in the Operational Environment	3-7
I. Intelligence Tasks	3-7
A. Support to Situational Understanding	3-7
- Intelligence Preparation of the Battlefield	3-9
B. Support to Strategic Responsiveness.....	3-10
C. Conduct Intelligence, Surveillance, and Reconnaissance	3-11
D. Provide Intelligence Support to Effects.....	3-12
II. Intelligence Disciplines	3-14
A. All-Source Intelligence	3-14
B. Human Intelligence (HUMINT).....	3-14
C. Imagery Intelligence (IMINT)	3-14
D. Signals Intelligence (SIGINT)	3-14
E. Measurement and Signatures Intelligence (MASINT).....	3-14
F. Technical Intelligence (TECHINT)	3-14
G. Counterintelligence (CI).....	3-14
II. Security Operations	3-15
I. Forms of Security Operations	3-15
A. Screen.....	3-15
B. Guard	3-18
C. Cover	3-18
D. Area Security	3-20
E. Local Security	3-20
* Combat Outposts.....	3-20
II. Fundamentals of Security Operations	3-17
III. Reconnaissance Operations	3-21
I. Forms of Reconnaissance	3-21
- Typical ISR Assets Available.....	3-23
A. Route Reconnaissance.....	3-22
B. Zone Reconnaissance	3-22
C. Area Reconnaissance.....	3-24
D. Reconnaissance in Force	3-24
II. Reconnaissance Fundamentals	3-25

Fires

Warfighting Function

Fires Warfighting Function Overview	4-1
I. Basic Fire Support Tasks	4-1
A. Support Forces in Combat	4-1
B. Support the Battle Plan	4-2
C. Synchronize the Fire Support System	4-3
D. Sustain the Fire Support System	4-3
II. Fire Support Tactical Missions	4-4
III. Fundamentals of Organization.....	4-5
IV. Effects.....	4-6
V. Fire Support Responsibilities.....	4-7
A. Fire Support at Echelons Above Corps.....	4-7
B. Fire Support Organizations at Corps and Division.....	4-7
C. Fire Support at Brigade and Battalion.....	4-8
D. Fire Support at Company.....	4-8
I. Targeting (D3A).....	4-9
I. Decide.....	4-9
IPB and Mission Analysis	4-9
Target Value Analysis (TVA) and Wargaming.....	4-9
A. High-Payoff Target List (HPTL).....	4-10
B. Intelligence Collection Plan.....	4-12
C. Target Selection Standards (TSS).....	4-12
D. Attack Guidance Matrix (AGM)	4-14
1. Harassing Fire.....	4-14
2. Suppressive Fire.....	4-14
3. Neutralization Fire.....	4-14
4. Destructive Fire.....	4-14
II. Detect	4-16
III. Deliver.....	4-17
A. Tactical Decisions	4-17
B. Technical Decisions	4-18
IV. Assess	4-19
A. Battle Damage Assessment (BDA).....	4-19
B. Munitions Effects Assessment (MEA).....	4-19
C. Reattack Recommendation	4-20
II. Fire Support Systems	4-21
I. Field Artillery	4-21
II. Mortars.....	4-22
III. Naval Gunfire.....	4-23
IV. Tactical Air.....	4-24
V. Army Aviation.....	4-25
VI. Electronic Warfare.....	4-27
III. Fire Support Terms & Graphics	4-29
I. Fire Planning Terms.....	4-29
II. Permissive Measures	4-30
III. Restrictive Measures	4-31
IV. Zones.....	4-32

Sustainment Warfighting Function

Sustainment Warfighting Function Overview	5-1
I. Sustainment Subfunctions	5-1
II. Strategic-Level Roles	5-2
A. Industrial Base	5-2
B. Dept of Defense and Defense Agencies	5-3
C. Dept of Army and Strategic-Level Commands	5-3
D. Supported Geographic Combatant Commands	5-6
E. Subordinate Joint Force Commands	5-6
II. Operational-Level Roles	5-7
A. Army Service Component Command (ASCC)	5-7
B. Multifunctional and Specialized Commands	5-7
III. Tactical Level Roles	5-8
CSS Characteristics	5-4
I. Logistics	5-11
I. Supply and Field Services	5-11
A. The Supply System	5-11
B. Classes of Supply	5-12
C. Field Services	5-12
Supply Terms	5-15
II. Transportation Support	5-16
A. Strategic Transportation	5-16
B. Operational and Tactical Transportation	5-17
C. Movement Control	5-17
D. Terminal Operations	5-18
E. Mode Operations	5-19
III. Ordnance (Maintenance) Support	5-20
A. Maintenance Support Across the Levels of War	5-20
B. Maintenance Principles	5-21
C. Maintenance Support Levels	5-22
D. Aviation Maintenance	5-23
E. Repair Parts Support	5-23
F. Explosive Ordnance Disposal (EOD)	5-24
G. Ammunition	5-24
- Ammunition Support Activities	5-25
Distribution-Based CSS	5-26
II. Personnel Services	5-27
I. Human Resource Support	5-27
II. Financial Management Operations	5-27
III. Legal Support to Operations	5-28
IV. Religious Support	5-29
V. Band Support	5-30
III. Health Service Support (HSS)	5-31
I. HSS Across the Levels of War	5-31
II. Principles of HSS	5-33
III. Levels of Care	5-34

Command & Control Warfighting Function

Command & Control Warfighting Function Overview	6-1
I. Relationship Between Command & Control	6-2
A. Command	6-3
B. Control	6-3
II. Environment of Command & Control	6-4
A. Human Dimension	6-4
B. Uncertainty	6-4
C. Time	6-8
D. Detailed Command	6-8
III. Mission Command	6-8
Relevant Information (RI)	6-6
I. The Command & Control System	6-9
I. Command & Control Functions	6-9
II. The OODA Cycle	6-10
III. Location	6-12
IV. Design and Organization Characteristics	6-12
V. Principles of Organization	6-14
VI. Continuity of Command & Control	6-15
VII. INFOSYS and Information Management	6-16
II. Command Posts (CPs)	6-17
I. Types of CPs	6-18
II. CP Survivability and Effectiveness Considerations	6-20
III. Command and Support Relationships	6-21
I. Chain of Command	6-21
A. Combatant Commands	6-22
B. Joint Task Forces and Service Components	6-23
II. Other Relationships	6-23
III. Regulatory Authorities	6-23
IV. Joint Command Relationships	6-25
A. Combatant Command (Command Authority) (COCOM)	6-24
B. Operational Control (OPCON)	6-24
C. Tactical Control (TACON)	6-24
D. Support	6-24
V. Army Command and Support Relationships	6-26
A. Army Command Relationships	6-26
B. Army Support Relationships	6-27
VI. Administrative Control	6-28
IV. Army Airspace Command and Control (A2C2)	6-29
Theater-Air-Ground System (TAGS)	6-29
I. Key Documents	6-29
II. Airspace Control Measures	6-30
III. Key Positions and Responsibilities	6-32

Protection Warfighting Function

Protection Warfighting Function Overview	7-1
I. Protection.....	7-1
- Vulnerability Assessments	7-1
- Estimate of the Situation for a Security Assessment.....	7-2
II. Force Health Protection.....	7-4
III. Field Discipline.....	7-4
I. Air and Missile Defense Operations	7-5
I. Types of Air Defense.....	7-5
II. Standard Tactical Missions	7-6
III. Air Defense Warnings (ADW)	7-6
IV. Evaluate the Air Threat	7-7
V. ADA Employment Guidelines, Principles, and Priorities	7-8
VI. Weapons Control Status (WCS).....	7-10
VII. Air Defense Operational Terms and Graphics	7-10
II. Chemical, Biological, Radiological & Nuclear (CBRN) Ops ..	7-11
I. Policy	7-11
II. CBRN Defense	7-12
- Threat Attacks.....	7-13
- Threat Environment	7-14
A. Fundamentals of CBRN Defense.....	7-16
B. Sense, Shape, Shield and Sustain	7-17
III. Contamination Avoidance	7-18
A. Tenets of Contamination Avoidance.....	7-18
B. Principles of Avoidance.....	7-19
IV. Vulnerability Reduction	7-20
III. Operations Security (OPSEC)	7-21
I. The Operations Security Process	7-22
II. OPSEC Planning	7-24
IV. Composite Risk Management (CRM)	7-25
I. Composite Risk Management Steps	7-27
II. Application to Other Functional Areas.....	7-28

Index

Index Index-1 to Index-4

Military SMARTbooks

Order Form.....(last page)