



Table of Contents

Chap 1

Maritime Forces, Organization & Capabilities

I. U.S. Navy	1-1
I. Mission and Purpose	1-1
II. Organization & Command Structure.....	1-2
A. U.S. Navy Administrative Organization	1-2
B. U.S. Navy Operational Organization.....	1-3
III. Composition & Capability of Major Deployable Elements.....	1-4
A. Carrier Strike Group (CSG).....	1-4
B. Amphibious Ready Group (ARG)/Marine Expeditionary Unit (MEU)	1-4
C. Surface Strike Group (SSG)	1-5
D. Naval Fleet Auxiliary Force (NFAF)	1-5
IV. Capabilities	1-6
Future Force.....	1-6
A. Mine Warfare	1-6
B. Aircraft Carriers & Naval Aviation.....	1-8
C. Surface Combatants.....	1-10
D. Submarine Forces	1-12
E. Amphibious Warfare.....	1-14
F. MSC Support Ships	1-16
V. Navy Reserve	1-18
II. U.S. Marine Corps	1-19
I. Mission.....	1-19
II. Organization and Structure.....	1-19
III. Marine Air/Ground Task Force (MAGTF)	1-21
IV. Types of MAGTFs (MEF/MEB/MEU/SPMAGTF).....	1-22
V. USMC Concepts and Capabilities	1-25
VI. Major Marine Corps Equipment.....	1-26
III. U.S. Coast Guard	1-27
I. USCG Organization	1-27
II. Coast Guard Forces	1-28
III. USCG Roles and Mission	1-29
IV. Ports, Waterways & Coastal Security (PCWS).....	1-30
IV. Naval/Marine Special Warfare Forces	1-33
U.S. Special Operations Command (USSOCOM).....	1-34
I. Naval Special Warfare (NSW)	1-33
II. U.S. Marine Corps Special Operations Forces.....	1-38
V. Strategic Lift/Force Projection	1-39
I. Force Projection.....	1-39
II. U.S. Transportation Command (USTRANSCOM)	1-40
III. U.S. Maritime Administration (MARAD).....	1-42
IV. Strategic Deployment	1-44
V. Strategic Lift Port Operations	1-46

Maritime Operations

I. Operational Warfare at Sea.....	2-1
I. Navy Doctrine	2-1
II. History/Background	2-2
III. The Maritime Domain	2-4
IV. Joint Operational Areas	2-6
- Maritime Theater Structure	2-7
V. Operational Level of Command (OLC).....	2-8
II. Range/Spectrum of Maritime Operations.....	2-9
I. Levels of War.....	2-9
A. Strategic Level of War.....	2-10
B. Operational Level.....	2-10
- Unified Action	2-11
C. Tactical Level	2-11
II. Maritime Operations Across the Range of Military Operations	2-12
A. Military Engagement, Security Cooperation, and Deterrence.....	2-13
B. Crisis Response or Limited Contingency Operations	2-13
C. Major Operations or Campaigns Involving Large-Scale Combat.....	2-13
IV. Major Naval Operations.....	2-14
A. Major Operations: Fleet versus Fleet.....	2-15
B. Major Operations: Fleet versus Shore	2-15
C. Major Operations versus Enemy Maritime Trade	2-15
D. Major Naval Operations to Defend/Protect Maritime Trade.....	2-15
E. Destruction/Protection of Seaborne Nuclear Deterrent Forces.....	2-15
F. Major Operations in Support of Ground Forces on the Coast	2-15
IV. Aegis Ballistic Missile Defense (BMD).....	2-16
V. Cyber Warfare	2-16
- U.S. Cyber Command (USCYBERCOM).....	2-16
- U.S. Fleet Cyber Command (U.S. Tenth Fleet).....	2-18
- Naval Network Warfare Command (NETWARCOM)	2-18
VI. Maritime Operational Threat Response (MOTR)	2-17
III. Objectives of Naval Operations	2-19
Strategic Offensive versus Defensive Posture	2-19
Operational Factors in Naval Warfare	2-20
I. Sea Control.....	2-19
- Choke-Point Control	2-22
- Basing/Deployment Area Control.....	2-22
- Obtaining Air Superiority	2-22
- Open Ocean vs. Narrow Seas	2-23
A. Obtaining Sea Control.....	2-24
B. Maintaining Sea Control.....	2-26
C. Exercising Sea Control	2-26
- Projecting Power Ashore	2-26
II. Sea Denial	2-27
- Sea Denial Dynamics.....	2-28
III. Attack on Maritime Trade.....	2-30
- Objectives	2-30
- Tenets.....	2-30
- Offensive Mining	2-31
- Commercial Blockade	2-31

IV. Defense and Protection of Maritime Trade	2-31
- Defense of Maritime Trade	2-32
- Protection of Maritime Trade	2-32
IV. Levels of Maritime Command	2-33
Operational vs. Administrative Control	2-33
Command Authority	2-36
Impact of Level of Authority on Command at the Operational Level	2-36
I. Command Relationships	2-34
A. U.S. Joint Doctrine Command Relationships	2-34
B. Allied and Multinational Maritime Command	2-35
II. Joint Force Components	2-37
A. Unified Command	2-37
B. Subordinate Unified Command	2-37
C. Joint Task Force (JTF)	2-38
III. Joint Force Commander	2-38
- Possible Components in a Joint Force	2-38
- Availability of Forces for Joint Operations	2-39
A. Commander, Joint Task Force (CJTF)	2-40
B. Service Component Commander	2-42
C. Functional Component Commander	2-44
V. Joint Force Maritime Component Commander (JFMCC)	2-45
I. Establishing a JFMCC	2-45
A. JFMCC Area of Operations	2-46
B. Integration with Joint Campaign Planning	2-46
C. Movement and Maneuver of Maritime Forces	2-52
D. Intelligence, Surveillance, and Reconnaissance (ISR)	2-53
II. JFMCC Functions	2-47
III. JFMCC Roles and Responsibilities	2-48
IV. Notional Joint Maritime Operations Organization and Processes	2-50
V. Undersea/Antisubmarine Warfare (USW/ASW)	2-54
VI. Maritime Fires Support	2-56
VII. Joint Maritime Operations Targeting	2-58
VIII. Considerations for Employing a JFMCC	2-60
VI. Navy Tactical Headquarters and Task Organization	2-61
I. Notional Relationship of Command Level to Level of War	2-61
II. Navy Task Organization (Task Forces, Groups, Units and Elements)	2-62
III. Navy Tactical Headquarters (CSG, ESG, SSG)	2-64
IV. Navy Composite Warfare Commander (CWC)	2-65
A. Officer in Tactical Command/Composite Warfare Commander (OTC/CWC)	2-66
B. Principle Warfare Commanders (PWC)	2-68
C. Functional Coordinators	2-70
VII. Multinational Operations	2-71
Alliance	2-71
Coalition	2-71
I. Multinational Chains of Command	2-71
A. National Command	2-71
B. Multinational Command	2-72
Command Structures of Forces in Multinational Operations	2-73
II. Maritime Multinational Forces	2-73
III. Civil-Military Coordination and Dealing with Nonmilitary Agencies (Interagency, Intergovernmental & NGOs)	2-74

Maritime Operations Center (MHQ/MOC)

I. MHQ / Maritime Operations Center (MOC)	3-1
I. The Maritime Headquarters (MHQ)	3-1
A. Command Structure of the MHQ	3-2
B. Maritime Operations Structure (MOC)	3-3
- MOC Centers - Intelligence, Operations, and Logistics.....	3-6
- MOC Director.....	3-6
- B2C2WG (Boards, Bureaus, Centers, Cells, and Working Groups).....	3-6
C. Fleet Management and Operational Structures.....	3-4
II. Battle Rhythm	3-8
III. Operational-Level Functions.....	3-10
A. Command and Control.....	3-11
B. Fires.....	3-11
C. Intelligence.....	3-12
D. Movement and Maneuver.....	3-13
E. Protection.....	3-13
F. Sustainment.....	3-14
II. Forming & Transitioning the MOC Staff	3-15
I. Forming the MOC Staff	3-15
II. Staff Transition From Enduring to Emergent Operations	3-16
III. Balancing Enduring and Emergent Mission Requirements	3-17
IV. Seven-Minute Drills	3-17
V. Commander's Considerations During Staff Formation.....	3-18
III. Maritime Operational Command	3-19
I. Inherent Relationships of Command to Level of War	3-19
II. Exercising Operational Command.....	3-20
A. Operational-Level Functions	3-20
B. Role of the Operational Commander in C2.....	3-20
C. Level of Control.....	3-21
D. Control Areas	3-24
II. Maritime Domain Awareness (MDA).....	3-22
- Maritime Domain Awareness Goals	3-23
- Maritime Domain Awareness Process and Functions.....	3-23
- Maritime Domain Awareness Critical Tasks	3-23
IV. Operational & Maritime Law	3-25
The Relationship Between Law and Policy.....	3-25
I. Rules of Engagement (ROE) & Rules For the Use of Force (RUF).....	3-26
II. Legal Regimes of Oceans and Airspace.....	3-27
III. Law of Armed Conflict Fundamentals.....	3-29
IV. Legal Basis to Stop, Board, Search, and Seize Vessels	3-30
V. Piracy.....	3-31
VI. Other Fundamental Legal Issues Relevant to the C/JFMCC	3-32

The Maritime Operations Process

Operations Process Overview	4-1
I. Operations Process Activities	4-2
II. Operations Process Supporting Topics.....	4-4
I. Planning	4-5
- The Navy Planning Process (NPP)	4-5
- Naval Planning and the Levels of War	4-6
II. Preparation	4-7
I. Preparation Functions.....	4-7
II. Integrating Processes and Continuing Activities During Preparation.....	4-8
A. Intelligence Preparation of the Operational Environment (IPOE)	4-8
B. Targeting	4-9
C. Intelligence, Surveillance, and Reconnaissance (ISR) Synchronization ..	4-9
D. Security.....	4-9
E. Operational Protection	4-9
F. Battlespace Management.....	4-10
III. Preparation Activities	4-9
IV. Rehearsals	4-10
- Joint Operations Rehearsals.....	4-10
- Navy Rehearsals.....	4-10
III. Execution	4-11
I. Execution Fundamentals	4-11
A. Competing Demands	4-12
B. Situational Understanding.....	4-12
C. Commander's Critical Information Requirements (CCIRs).....	4-12
D. Decisionmaking During Execution	4-12
II. Commander's Decision Cycle	4-14
A. Assess.....	4-15
B. Plan	4-15
C. Direct	4-15
D. Monitor.....	4-15
E. Communications	4-15
III. Risk Assessment	4-16
- Accepting Risk.....	4-16
- Applying Risk Management.....	4-17
- Risk Management for a JFMCC/NCC	4-17
IV. Event Horizons	4-18
- Near	4-18
- Mid	4-18
- Far.....	4-18
IV. Assessment	4-19
I. The Assessment Process	4-19
A. Measure of Performance (MOP).....	4-19
B. Measure of Effectiveness (MOE).....	4-19
II. Combat Assessment.....	4-22
A. Battle Damage Assessment (BDA).....	4-22
B. Munitions Effectiveness Assessment (MEA).....	4-22
C. Reattack Recommendation	4-23
III. Assessment Estimate Development and Integration with the NPP	4-24

Naval Planning

Navy Planning Overview.....	5-1
I. The Navy Planning Process (NPP).....	5-2
II. Nesting of the Navy Planning Process Within Other Planning Processes.....	5-4
- Navy Planning and the Levels of War	5-4
- Navy Planning Process and Effects	5-4
- Joint Operation Planning and Execution System (JOPES).....	5-5
III. Roles in the Navy Planning Process.....	5-6
IV. Intelligence Preparation of the Operational Environment (IPOE)	5-8
V. Operational Art & Design	5-10
VI. Design in Military Operations	5-14
I. Mission Analysis	5-17
Inputs.....	5-18
Process.....	5-19
1. Identify Source(s) of Mission	5-20
2. Determine Support Relationships.....	5-20
3. Analyze the Higher Commander's Mission	5-20
4. Determine Specified, Implied, and Essential Tasks.....	5-22
5. State the Purpose.....	5-23
6. Identify Externally Imposed Limitations	5-23
7. Analyze Available Forces and Assets	5-26
8. Determine Critical Factors, Centers of Gravity, and Decisive Points	5-26
9. Develop Planning Assumptions	5-27
10. Conduct Initial Risk Assessment	5-27
11. Develop Proposed Mission Statement	5-27
12. Conduct Mission Analysis Briefing	5-28
13. Develop Initial Commander's Intent	5-28
14. Develop Commander's Critical Information Requirements (CCIR).....	5-30
15. Develop Commander's Planning Guidance	5-32
16. Develop Warning Order.....	5-34
Outputs	5-34
Key Points.....	5-34
II. Course of Action Development	5-35
Inputs.....	5-36
Process.....	5-36
1. Analyze Relative Combat Power	5-36
2. Generate Course of Action Options.....	5-38
3. Test for Validity	5-39
4. Recommend Command and Control Relationships	5-39
5. Prepare Course of Action Sketch and Statement.....	5-39
6. Prepare Course of Action Briefing	5-41
7. Develop Course of Action Analysis and Evaluation Guidance	5-41
Outputs	5-41
Key Points.....	5-41
III. Course of Action Analysis (Wargaming)	5-47
Inputs.....	5-48
Process.....	5-48
1. Organize for Wargaming	5-50
2. List all Friendly Forces	5-50

3. Review Assumptions	5-50
4. List Known Critical Events	5-50
5. Determine the Governing Factors	5-51
6. Select the Wargaming Method	5-51
7. Record and Display Results	5-52
8. Wargame the Combat Actions and Assess the Results	5-52
9. Refine Staff Estimates	5-56
10. Update and Refine Intelligence Preparation of the Operational Environment (IPOE) Products	5-56
Outputs	5-58
IV. Course of Action Comparison & Decision	5-59
Inputs	5-59
Process	5-60
1. Perform Course of Action Comparison	5-60
2. Perform Course of Action Evaluation	5-61
3. Make Final Tests for Feasibility and Acceptability	5-61
4. State Commander's Decision	5-61
- Sample Decision Brief	5-64
5. Prepare Synchronization Matrix	5-64
6. Develop the Concept of Operation (CONOPS)	5-66
7. Refine Intelligence Preparation of the Operational Environment (IPOE)	5-66
Outputs	5-66
Key Points	5-66
V. Plans and Orders Development	5-67
Inputs	5-68
Process	5-70
1. Prepare Plans and Orders	5-70
- Operation Plans & Orders (OPLANs/OPORDs)	5-71
2. Reconcile Plans and Orders	5-72
3. Backbrief and Crosswalk Plans and Orders	5-72
4. Commander Approves Plans and Orders	5-72
Outputs	5-72
Key Points	5-72
VI. Transition	5-73
Inputs	5-73
Process	5-74
1. Transition Briefing	5-74
- Roles of the FPC, FOPS, COPS (and Internal/External Transitions)	5-75
2. Transition Drills	5-76
3. Confirmation Brief	5-76
Outputs	5-76
Key Points	5-76

Naval Logistics

I. Fundamentals of Naval Logistics	6-1
I. The Mission of Naval Logistics	6-1
II. Levels of Logistics Support	6-2
III. Process Elements	6-3
IV. Principles of Logistics	6-6
V. High Yield Logistics (HYL)	6-8
VI. Focused Logistics	6-10

II. Naval Logistics Planning	6-11
Operational Logistics (OPLOG).....	6-11
I. The Logistics Planning Process.....	6-12
II. Naval Logistics Planning.....	6-12
III. Logistics Support to the Navy Planning Process (NPP).....	6-14
IV. Logistics Planning Considerations.....	6-18
III. Logistics Command and Control Systems	6-19
I. Navy Logistics System Organization	6-19
II. Theater Logistics Command and Control	6-20
III. Naval Theater Logistics Command and Control.....	6-22
IV. Multinational Theater Logistics Command and Control.....	6-24
V. Logistics Information Systems	6-26
IV. Naval Theater Distribution	6-27
I. The Defense Supply System	6-27
II. The Naval Supply System	6-27
III. The Marine Corps Supply System	6-28
IV. The Naval Transportation System	6-28
- The Defense Transportation System.....	6-29
V. The Hub and Spoke Concept of Navy Theater Distribution.....	6-30
VI. The Logistics Pipeline	6-32
VII. Force Projection	6-33

Chap 7

Navy Theater Security Cooperation

I. Navy Theater Security Cooperation Overview	7-1
I. Guidance	7-1
II. Security Cooperation and Assistance - Planning and Activities.....	7-2
A. Security Cooperation	7-2
B. Security Assistance.....	7-3
C. Theater Security Cooperation (TSC).....	7-3
III. Theater Security Cooperation Activities	7-4
II. Security Cooperation Activity Planning	7-5
I. Planning.....	7-5
II. General Security Cooperation Activity Checklist.....	7-6
III. Building Relationships, Capabilities & Capacity	7-9
- Mission Commander.....	7-9
- Social Norms and Customs	7-9
I. Building Relationships	7-10
II. Building Capacities	7-12
A. Exercises	7-12
B. Training	7-13
C. Information Sharing and Intelligence Cooperation.....	7-13
III. Building Capacity	7-15

Index

Index Index-1 to Index-4