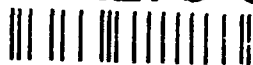


**MARINE CORPS STUDIES CATALOG**

**Fiscal Year 1994**

**VOLUME VI**

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1. The enclosure is forwarded pursuant to the reference. This catalog provides users with a ready source for reviewing major studies performed within the Marine Corps Studies Program. Included is an alphabetical listing of studies by category and a descriptive summary of each study initiated since 1991, indicating its current status (ongoing, completed, or to be initiated during FY94).

2. Users of this catalog are encouraged to submit recommended additions, deletions, and any proposed improvements for the catalog to CG, MCCDC (C 453).

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4th MAW	(2)	CG II MEF	(2)
4th FSSG	(2)	CG III MEF	(2)

## TABLE OF CONTENTS

	Page
<b>CHAPTER 1. INTRODUCTION . . . . .</b>	1-1
1.1. PURPOSE . . . . .	1-1
1.2. DEFINITION OF TERMS . . . . .	1-1
a. Studies Control Number (SCN) . . . . .	1-1
b. Center for Naval Analyses (CNA) Number . . . . .	1-1
c. Title . . . . .	1-1
d. Category . . . . .	1-2
e. Classification . . . . .	1-2
f. Sponsor . . . . .	1-2
g. Performing Activity . . . . .	1-2
h. Time Frame . . . . .	1-2
i. Status . . . . .	1-2
j. Defense Technical Information Center Number . . . . .	1-3
k. Summary . . . . .	1-3
1.3. STUDY LISTINGS . . . . .	1-3
1.4. STUDY SUMMARIES . . . . .	1-3
1.5. SYNOPSIS . . . . .	1-3
1.6. UPDATE . . . . .	1-4
<b>CHAPTER 2. STUDY LISTINGS . . . . .</b>	2-1
<b>SECTION I. INTRODUCTION . . . . .</b>	2-1
2.1. PURPOSE . . . . .	2-1
2.2. ORGANIZATION . . . . .	2-1
<b>SECTION II. LISTING BY CATEGORY . . . . .</b>	2-3
CONCEPTS AND PLANS . . . . .	2-3
INSTALLATIONS AND LOGISTICS . . . . .	2-4
INTELLIGENCE . . . . .	2-5
INTERNATIONAL SECURITY . . . . .	2-6
MANAGEMENT . . . . .	2-6
MANPOWER AND PERSONNEL . . . . .	2-6
OPERATIONS AND FORCE STRUCTURE . . . . .	2-9
SCIENCES, TECHNOLOGY, SYSTEMS, AND EQUIPMENT . . . . .	2-10

<b>CHAPTER 3. STUDY SUMMARIES . . . . .</b>	<b>3-1</b>
3.1. GENERAL . . . . .	3-1
3.2. Fiscal Year 1991 . . . . .	3-1
3.3. Fiscal Year 1992 . . . . .	3-31
3.4. Fiscal Year 1993 . . . . .	3-56
3.5. Fiscal Year 1994 . . . . .	3-82
 <b>APPENDIX 1. STUDIES CONTROL NUMBERING SYSTEM FY</b>	
1991-1994 . . . . .	A-1

# MARINE CORPS STUDIES CATALOG

## VOLUME VI - 1991-1994

### CHAPTER 1. INTRODUCTION

1.1. **PURPOSE.** The purpose of the Marine Corps Studies Catalog is to provide a ready source for reviewing studies and analyses that have been undertaken by the Marine Corps or are directly related to the Marine Corps. The Department of Defense (DoD) central data bank, which is maintained by the Defense Technical Information Center (DTIC), is the main DoD source of information for planned, ongoing, and completed studies and analyses. The Marine Corps Studies Catalog is intended to supplement the DTIC data bank; the DTIC data bank and this Marine Corps Studies Catalog should be consulted prior to the initiation of any Marine Corps study or analysis in an effort to avoid unnecessary duplication of other planned, ongoing, or completed studies and analyses. Volume VI of this catalog supplements the previous five volumes which contain study data from 1963 through 1993. Volume VI contains updated information on 1991 through 1993 studies whose status was incomplete when the previous volumes were published in addition to 1994 studies. Further information with regard to the Marine Corps studies system is contained in Marine Corps Order P3902.1B.

1.2. **DEFINITION OF TERMS.** To assist the users of this catalog, the terms used herein are defined below.

a. **Studies Control Number (SCN).** Study Control Numbers consist of the Marine Corps DTIC accession indicator "29" or "DM" followed by six digits assigned by the Marine Corps Combat Development Command (MCCDC) to track a study from inception to completion. The SCN numbering system is outlined in Appendix 1.

b. **Center for Naval Analyses (CNA) Number.** For those studies and analyses performed by CNA, a CNA number is assigned in addition to the SCN.

c. **Title.** The full title of the study or analysis.

d. **Category.** Each study contained in this catalog is listed under one of the following eight categories:

- (1) Concepts and Plans
- (2) Installations and Logistics
- (3) Intelligence

- (4) International Security
- (5) Management
- (6) Manpower and Personnel
- (7) Operations and Force Structure
- (8) Science, Technology, Systems and Equipment

e. **Classification.** The security classification of the study or analysis.

f. **Sponsor.** The head of the staff office within HQMC which has primary cognizance over the subject matter contained in the study.

g. **Performing Activity.** The agency responsible for the actual conduct of the study or analysis. These include MCCDC, CNA, Office of Naval Research (ONR), Navy Systems Commands (NSC), Navy Laboratories, other DoD study activities and civilian contractors.

h. **Time Frame.** One of the following three time periods which the study problem addresses:

(1) Short Range. The current year plus one year.

(2) Mid-Range. The period commencing at the end of the short-range period and projected ten years.

(3) Long Range. The period commencing at the end of the midrange period and projected ten years.

i. **Status.** The status of a study is listed in one of the following four categories:

(1) Completed. This indicates the study has been completed and approved for publication.

(2) In progress. The study agency has initiated work on an assigned study and it is ongoing at the time of this catalog's publication.

(3) Staffing. The study has been completed and the final report is undergoing review at the time of this catalog's publication.

(4) Terminated. A study which was initiated, entered into the Defense Technical Information System but terminated prior to completion.

j. **Defense Technical Information Center Number.** The DTIC maintains and disseminates information on all DoD scientific and technical documents. Final reports of all Marine Corps approved studies are to be given to DTIC for inclusion in their data bank and assignment of a DTIC number. Copies of DoD studies can be obtained from DTIC by utilizing the assigned DTIC number. Copies of studies not held by DTIC may possibly be obtained from the sponsor. A DTIC number may have been assigned to a study after publication of this catalog. Required data may be obtained by a title search.

k. **Summary.** The summary is a brief description of the purpose and/or objectives of the study.

1.3. **STUDY LISTINGS.** Chapter 2 of this catalog contains a listing of Marine Corps studies. Study titles are listed alphabetically under one of the eight categories noted in paragraph 1.2.d. above.

1.4. **STUDY SUMMARIES.** Chapter 3 contains summaries of all Marine Corps studies. The summaries are organized by fiscal year and appear in SCN sequence within the fiscal year.

1.5. **SYNOPSIS.** This catalog is a reference publication. Its purpose is to assist the user in obtaining scientific and technical data from the Marine Corps and DTIC and to prevent unnecessary duplication of analytical effort. For further information concerning DTIC resources, call or write:

Defense Technical Information Center  
ATTN: DTIC-DDR-2  
Cameron Station  
Alexandria, VA 22304-6145  
Commercial - (202) 274-6871/6872  
DSN - 284-6871/6872

1.6. **UPDATE.** The Commanding General, Marine Corps Combat Development Command, Quantico, Virginia is responsible for the annual update of this catalog. Additions/deletions and/or recommendations should be addressed to:

Commanding General (C 453)  
Marine Corps Combat Development Command  
Studies and Analysis Division  
3093 Upshur Avenue  
Quantico, VA 22134-5130  
Commercial - (703) 640-4765  
DSN - 278-4765



## **CHAPTER 2. STUDY LISTINGS**

### **SECTION I. INTRODUCTION**

**2.1. Purpose.** This chapter provides for a rapid method of locating a Marine Corps study.

**2.2. Organization.** Section II, Listing by Category, lists the Marine Corps Studies and Analyses by category and title. Refer to Chapter 1, paragraph 1.2.d. for the functional area categories used in this catalog.

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## CHAPTER 2. STUDY LISTINGS

### SECTION II. LISTING BY CATEGORY

#### CONCEPTS AND PLANS

	<u>Page</u>
Collective Training for Mission Area Analysis of Marine Corps Training . . . . .	3-66
Capabilities Review System . . . . .	3-62
Command and Control Concept Development Game . . . . .	3-65
Command and Control Concept for Maneuver Warfare and Over-the-Horizon (OTH) Operations . . . . .	3-12
Command and Control Concept for the MAGTF . . . . .	3-65
Componency/JTF . . . . .	3-38
Concept of Operations and Courses of Action for Marine Air Defense in the MACE Scenario . . . . .	3-39
Concept of Operations for Electronic Warfare in MACE 2010 . . . . .	3-39
Concept of Operations for Reconnaissance in MACE 2010 . . . . .	3-40
Humanitarian Assistance Operations . . . . .	3-65
Individual Training for Mission Area Analysis of Marine Corps Training . . . . .	3-66
MACE 2010 OAS Concept of Operations . . . . .	3-39
MACE 2010 Electronic Warfare Effectiveness . . . . .	3-63
MAGTF Operations in an NBC Environment . . . . .	3-13
Marine Aviation Combat Element (MACE) 2010: Assault Support Transportation Concept of Operations . . . . .	3-64
Marine Aviation Combat Element (MACE) 2010 Study: Scenario and Concept of Operations . . . . .	3-15
Marine Corps and Humanitarian Assistance Operations . . . . .	3-65
Marine Corps Scenario Development . . . . .	3-37
Marine Corps Training Ammunition Requirements Study: Extension for Mobilization Training . . . . .	3-15
Maritime Prepositioned Force Offload Model, Volume I: Main Text and Appendixes A and B . . . . .	3-15
Mission Area Analysis MA 11 - Command and Control . . . . .	3-60
Mission Area Analysis MA 12 - Intelligence (Update) . . . . .	3-61
Mission Area Analysis MA 13 - Security . . . . .	3-61
Mission Area Analysis MA 15 - Military Operations Other than War . . . . .	3-62
Mission Area Analysis MA 22 - Ground Tactical Mobility/Counter-mobility . . . . .	3-13
Mission Area Analysis MA 22 - Ground Tactical Mobility/Counter-mobility - (Update). . . . .	3-82
Mission Area Analysis MA 23 - Close Combat . . . . .	3-12
Mission Area Analysis MA 24 - Fire Support . . . . .	3-63
Mission Area Analysis MA 32 - Anti-Air Warfare . . . . .	3-64
Mission Area Analysis MA 33 - Assault Support . . . . .	3-14
Mission Area Analysis MA 33 - Assault Support (Update) . . . . .	3-82
Mission Area Analysis MA 34 - Offensive Air Support . . . . .	3-14
Mission Area Analysis MA 34 - Offensive Air Support (Update) . . . . .	3-83

**CONCEPTS AND PLANS Continued****Page**

Mission Area Analysis MA 35 - Control of Aircraft, Missiles, and UAVs . . . . .	3-83
Mission Area Analysis MA 36 - Electronic Warfare . . .	3-82
Mission Area Analysis MAs 41 and 42 - Supply and Maintenance . . . . .	3-37
Mission Area Analysis MA 41 - Supply (Update). . . . .	3-84
Mission Area Analysis MA 42 - Maintenance (Update . . .	3-83
Mission Area Analysis MA 43 - Transportation . . . . .	3-38
Mission Area Analysis MA 44 - Expeditionary Engineering	3-84
Mission Area Analysis MA 45 - Health Services . . . . .	3-37
Mission Area Analysis MA 46 - Services . . . . .	3-61
Mission Area Analysis MA 60 - Training . . . . .	3-36
Mission Area Analysis MA 70 - Manpower . . . . .	3-13
Naval Forces and Power Projection . . . . .	3-38
NorthEast Asia Scenario . . . . .	3-14
Operational Maneuver from the Sea: Project CULEBRA . .	3-64
Rapid Deployment of Expeditionary Airfield (EAF) Equipment . . . . .	3-63
Remotely Determining Suitability of Amphibious Landing Beaches . . . . .	3-62

**INSTALLATIONS AND LOGISTICS**

Alternative Methodologies for Marine Corps Planning Factors . . . . .	3-71
Amphibious Warfare School (AWS) Combat Service Support (CSS) Sustainment and Supportability Capabilities .	3-44
Application of LOGMARS Technology . . . . .	3-87
Automation of Marine Corps Exercise Building, Personnel, Supply, and Maintenance Modules . . . . .	3-70
Battle Damage Assessment and Repair (BDAR) . . . . .	3-86
Battle Damage Assessment and Repair Model . . . . .	3-70
Command Religious Program Logistics in Combat (1991-2000)	3-20
CSS Task Organization Criteria . . . . .	3-45
Depot Maintenance Activity Review . . . . .	3-45
Dry Cell Battery Support to the Fleet Marine Force . .	3-86
Effect of Operation Desert Shield/Storm Operations on Planned Ship Depot Maintenance . . . . .	3-48
FMF Force Module Enhancement Study . . . . .	3-22
Marine Aviation Logistics Support in SWA . . . . .	3-45
Marine Corps and Containers . . . . .	3-43
Marine Corps Desert Storm Reconstruction Report - Volume III: Logistic Support of Ground Combat Forces . . . . .	3-47
Marine Corps Engineer Support in Operation Desert Shield/Storm . . . . .	3-47
Marine Corps Ground Ammunition Annual Peacetime and Mobilization Requirements Determination (1992) . .	3-43
Marine Corps Maintenance Support in Operation Desert Shield/Storm . . . . .	3-46

**INSTALLATIONS AND LOGISTICS Continued****Page**

Marine Corps Supply Support in Operation Desert Shield/ Storm . . . . .	3-47
Marine Corps Training Ammunition Study . . . . .	3-23
Marine Corps Transportation Support in Operation Desert Shield/Storm . . . . .	3-46
Maritime Prepositioned Force Offload Model: Appendix C and Appendix D - Data Dictionary and Computer Code . . . . .	3-23
MPS Maintenance Study . . . . .	3-23
MPS Maintenance Site Survey . . . . .	3-48
MPS Squadron Three Ordnance Sustainment for Priority Force Modules . . . . .	3-21
Operation Desert Shield Bulk Fuel Planning . . . . .	3-20
Operational Requirements for the Relocation of MCAS Tustin to Twentynine Palms, CA . . . . .	3-43
Planning Factors Approach (Phase II) . . . . .	3-46
Planning Factors Approach (Phase III) . . . . .	3-85
Rapid Deployment of Expeditionary Airfield (EAF) Equipment . . . . .	3-86
Reconfiguration of MPSRon-3 to Support the Priority Force Modules . . . . .	3-21
Reconfiguration of MPSRon-2 to Support the Priority Force Modules, Volume I: Main Text and Appendixes A-E . . . . .	3-21
Reconfiguration of MPSRon-2 to Support the Priority Force Modules, Volume II: Appendix F - Ordnance Sustainment . . . . .	3-22
Shore Support for Fleet Marine Forces in the Western Pacific . . . . .	3-70
Supporting Amphibious Assault from a Sea Base . . . . .	3-22
Use of Alternate Support to Perform Maintenance that is Beyond Inherent Command Capabilities . . . . .	3-44
Validation and Maintenance of the Logistic Factors File (LFF) . . . . .	3-44

**INTELLIGENCE**

Desert Shield/Storm Core Analysis . . . . .	3-55
Inter-Agency Terrorism Response Awareness Program . . . . .	3-54
Joint Intelligence Center Exercise . . . . .	3-54
Joint Intelligence Center Exercise (JICEX)/Field Exercise (FEX) Intelligence Training Scenario Situation (INTACTRASIT) . . . . .	3-81
System Threat Assessment for the Marine Tactical Command and Control System (MTACCS) (1992-2010) . . . . .	3-55
System Threat Assessment for the Tactical Combat Operations (1992-2010) . . . . .	3-54

## INTERNATIONAL SECURITY

History of Maritime Patrol Aircraft (MPA) Crisis Response Activity: A Brief Look . . . . .	3-30
Use of Naval Forces in the Post-War Era: U.S. Navy and U.S. Marine Corps Crisis Response Activity 1946 - 1989 . . . . .	3-30

## MANAGEMENT

Data Quality for Automotive Maintenance Phase of the Marine Corps Job Performance Measurement (JPM) Project . . . . .	3-29
LOTUS 1-2-3 Spreadsheet for Allocating Marine Corps Recruiter Support Funding . . . . .	3-53
Marine Corps Lessons Learned System . . . . .	3-52
Mobile Electric Power (MEP) Acquisition Management Analysis . . . . .	3-52
Production-Weighted Qualified Military Availables: A Review of the Methodology and Further Analysis . .	3-53
Summary of Marine Corps Operations Analysis Group (MCOAG) Field Work - FY 1991 . . . . .	3-53
TARMS User's Guide: Extension for Mobilization . . . .	3-29
User's Manual for the Marine Corps Training Ammunition Requirements Management System (TARMS) . . . . .	3-29
Wargaming in Support of the POM Process . . . . .	3-28

## MANPOWER AND PERSONNEL

An Investigation of Marriage and Dependency Rates for Enlisted Marines . . . . .	3-7
Analysis and Prediction of Infantry Unit Leaders' Performance . . . . .	3-6
Analysis of CAT-ASVAB Scores in the Marine Corps JPM Data . . . . .	3-10
Analysis of Support Funding for Marine Corps Recruiting . . . . .	3-32
Average Costs of Training for First-Term Marines . . .	3-4
Career Reenlistments in the Marine Corps: FY 1980-91 .	3-57
Casualty Rate Estimation . . . . .	3-1
CNA's Longitudinal HMF Tracking Files for Enlisted Marines . . . . .	3-6
Comparison of Three Procedures for Smoothing Score Distributions . . . . .	3-5
Computing AFQT Scores from Historical Data . . . . .	3-35
Construction of Final Forms for a New Enlistment Screening Test . . . . .	3-2
Data Quality for the Helicopter Maintenance Phase of the Marine Corps Job Performance Measurement Project .	3-32
Determining the Number and Composition of First-Term Reenlistments: The First-Term Alignment Plan . . .	3-36
Development of ASVAB Norms for the Student Testing Program . . . . .	3-5

**MANPOWER AND PERSONNEL Continued****Page**

Development of Overlength Forms for a New Enlistment Screening Test . . . . .	3-3
Development and Scoring of Hands-on Performance Tests Mechanical Maintenance Specialties . . . . .	3-34
Enlisted Marine Corps Endstrength: A Disaggregated Look . . . . .	3-59
Factor Structure and Incremental Validity of the Enhanced Computer-Administered Tests . . . . .	3-35
First Term Attrition in the Marine Corps . . . . .	3-59
First Term Marriages and Dependency . . . . .	3-57
Inventory Flow Model to Investigate Transitions in Enlisted Marine Corps Endstrength . . . . .	3-33
Inventory Force Simulation for Enlisted Marines . . . . .	3-34
Job Performance Measurement Project (Phase I) . . . . .	3-31
Job Performance Surrogates in Combat . . . . .	3-56
Job Performance Tests for CH-46 Helicopter Mechanics - Volume I: Hands-On Performance Test . . . . .	3-9
Job Performance Tests for CH-46 Helicopter Mechanics - Volume II: Admin Duties and Job Performance . . . . .	3-9
Job Performance Tests for CH-53A/D Helicopter Mechanics Volume I: Hands-On Performance Test . . . . .	3-10
Job Performance Tests for CH-53A/D Helicopter Mechanics Volume II: Administrative Duties and Job Knowledge Tests . . . . .	3-11
Job Performance Tests for Motor Transport Mechanics - Volume I: Hands-On Performance Test . . . . .	3-8
Job Performance Tests for Motor Transport Mechanics - Volume II: Admin Duties and Job Performance . . . . .	3-8
Job Performance Tests for U/AH-1 Helicopter Mechanics, Volume I: Hands-On Performance Test . . . . .	3-11
Job Performance Tests for U/AH-1 Helicopter Mechanics, Volume II: Administrative Duties and Job Knowledge Test . . . . .	3-12
Lateral Occupational Specialty Moves . . . . .	3-60
Longitudinal ARSTAT Tracking Files for Enlisted Marines . . . . .	3-5
Longitudinal Tracking File for Marine Corps Officers . . . . .	3-4
Managing the Marine Corps Enlisted Force in the 1990s . . . . .	3-31
Manpower, Personnel, and Training (MPT) Course Analysis and Development . . . . .	3-1
Manpower Requirements Assessment Survey . . . . .	3-31
Marine Corps Aviator Training Pipeline . . . . .	3-4
Marine Corps Marriage and Dependent Children Database (MCMAD) . . . . .	3-7
Marine Corps Training Concepts, Issues, and Analyses . . . . .	3-10
Modifications to the Method for Determining First Term Reenlistments . . . . .	3-58
MOS Assignment, Allocation, and Incentive Analysis . . . . .	3-57
Officer Accession, Characteristics, and Success at OCS, Commissioning, and The Basic School . . . . .	3-60

**MANPOWER AND PERSONNEL Continued**

	<u>Page</u>
OASD Cost Performance Trade-Off . . . . .	3-56
Personnel Requirements to Support C4I Systems/Equipment in FY97/98 . . . . .	3-56
Polynomial Families of Distributions . . . . .	3-34
Rankings by Historical Attrition Rates of Potential Marine Corps Recruits . . . . .	3-9
Reenlisting in the Marine Corps: The Impact of Bonuses, Grade, and Dependency Status . . . . .	3-7
Relationship Between ASVAB and Mechanical Maintenance Job Performance . . . . .	3-58
Reliability of Mechanical Maintenance Performance Measures . . . . .	3-33
Revision of Manpower Requirements Determination Program (MRDP) . . . . .	3-2
Robust Estimation Using Student's t Distribution . . . . .	3-3
Seasonal Patterns in the Senior and Graduate Markets for Marine Corps Recruits . . . . .	3-33
Sensitivity and Fairness of the Marine Corps Mechanical Maintenance Composite . . . . .	3-35
SO/LIC OPS Foreign Language Proficiency . . . . .	3-2
Successful Recruiting and Training of Marine Corps ** Officers . . . . .	3-56
Targeting Officer Recruiting Goals and Resources . . . . .	3-59
Test of the Temporal Invariance of ASVAB Item Parameters . . . . .	3-11
Time in Grade: A Historical Summary for Enlisted Marine Corps Promotions from FY 1979 through FY 1990 . . . . .	3-36
Uniqueness of a Psychomotor Construct to ASVAB . . . . .	3-32
Updating CNA's Marine Corps Accession Cohort Files . . . . .	3-8
USMC Training: An Overview . . . . .	3-6
Validation of ASVAB Against Infantry Job Performance . . . . .	3-3
Validity of Electronics Composite for Predicting Success in Electronics Training School . . . . .	3-58

**OPERATIONS AND FORCE STRUCTURE**

AntiArmor Force Mix and Operational Mix . . . . .	3-67
Automation of the Marine Corps Health Service Support (HSS) for Use Within the Combat Service Support Training Simulation System . . . . .	3-17
Battle Group Delta Participation in Desert Shield Ops . . . . .	3-19
Crisis Action Planning for Operation RESTORE HOPE . . . . .	3-69
Crisis Interaction Requirements Study (CIRS) - Phase II . . . . .	3-41
Deployment of U.S. Navy Carriers for Operation Desert Storm . . . . .	3-19
Exercise FREEDOM BANNER/Humanitarian Assistance . . . . .	3-18
Evaluation of Marine Corps and Joint Force Deployment . . . . .	3-84
FMF Force Structure Determination Model . . . . .	3-40
Initial Deployment of Navy Medical Assets in Support of Operation Desert Shield . . . . .	3-17
Long Range Technology Assessment. . . . .	3-85



**OPERATIONS AND FORCE STRUCTURE Continued****Page**

MACE 2010 Project Wargame Final Report . . . . .	3-67
Manning and Equipping of the Combat Engineer Battalion	3-40
Marine Corps Air-Ground Task Force Air Defense Organization . . . . .	3-41
Marine Corps Aviation Mishap Rate Assessment . . . . .	3-17
Marine Corps Combat Service Support Reserve Activation for Operation Desert Shield/Storm . . . . .	3-42
Marine Corps Combat Service Support Task Organization in Operation Desert Shield/Storm . . . . .	-67
Marine Corps Desert Storm Reconstruction Report - Volume II: Ground Force Operations . . . . .	-20
Marine Corps Model . . . . .	3-16
Marine Corps Operations in Desert Shield . . . . .	3-18
Marine Corps Operations in Desert Shield/Desert Storm - Volume I: Overview and Summary . . . . .	3-42
Maritime Intercept Operations . . . . .	3-18
Measures of Effectiveness for Marine Corps Readiness and Sustainability (Phases I & II) . . . . .	3-16
Measures of Effectiveness for Marine Corps Readiness and Sustainability (Phase III) . . . . .	3-42
Military Relations with Humanitarian Relief Organiza- tions (HROs): Operation RESTORE HOPE . . . . .	3-69
Operation RESTORE HOPE Reconstruction and Analysis . .	3-68
OPTEMPO and Readiness . . . . .	3-66
Organizational Structure and Command Relationships of Medical Services in the FMF . . . . .	3-41
Preparations for Casualty Regulating and CONUS Care During Operation Desert Storm . . . . .	3-19
Rule of Engagement (ROE) for Humanitarian Intervention	3-69
Tactical Air Integration. . . . .	3-85
Tailoring the MAGTF for Combat Against a Strong Armored Threat . . . . .	3-16
USMC Desert Storm TACAIR Database . . . . .	3-68
USMC Fixed-Wing Tactical Air Strikes During Operation DESERT STORM . . . . .	3-68

**SCIENCES, TECHNOLOGY, SYSTEMS, AND EQUIPMENT**

A Cost-and-Effectiveness Methodology for Evaluating Use of Simulators in Marine Corps Live-Fire Training .	3-81
Advanced Amphibious Assault (AAA) Program COEA . . . .	3-50
Advanced Amphibious Assault (AAA) Program Cost and Operational Effectiveness Analysis (COEA): Summary Report . . . . .	3-25
Advanced Amphibious Assault Peacetime Mission Profile .	3-49
Advanced Rocket System COEA . . . . .	3-51
Amphibious Vehicle Mine Neutralization System COEA . .	3-74
Analysis of MAGTF Mission Area Equipment Assessment Packages . . . . .	3-79
Automated NBC Hazard Information and Warning System COEA	3-74

# SCIENCES, TECHNOLOGY, SYSTEMS, AND EQUIPMENT Continued

Page

C <sup>4</sup> Architecture Study . . . . .	3-88
Close Quarter Battle Weapon . . . . .	3-78
Close Range UAV COEA . . . . .	3-80
Combat Shotgun COEA . . . . .	3-75
Comparative Cost Analysis for the Short Range Assault Weapon (SRAW) COEA . . . . .	3-79
Connectivity to the U.S. Army GUARDRAIL System COEA . . . . .	3-77
Determining the Optimal Repair Requirements for New Marine Corps Avionics Test Equipment . . . . .	3-51
Digital Circuit Card Tester COEA . . . . .	3-76
Examination of Cueing Errors for LAAD Teams . . . . .	3-26
Ground Based Integrated Air Defense Command, Control and Early Warning System COEA . . . . .	3-74
HAWK Missile Systems Aboard AFOE Shipping . . . . .	3-26
Hybrid Mobile Direct Air Support Central (HMDASC) COEA . . . . .	3-76
81mm Infrared Flare Mortars Cartridges (IMC) COEA . . . . .	3-73
Improved Medium Machine Gun (IMMC) COEA . . . . .	3-78
Improved Rigid Raiding Craft (IRRC) COEA . . . . .	3-77
Joint Tactical Information Distribution System (JTIDS) and Tactical Digital Information Link-J (TADIL-J) 1995-2010 (Short Title: Study Directive JTIDS/TADIL-J 1995-2010) . . . . .	3-88
LAV Day/Night Sight COEA . . . . .	3-72
LAV-105 COEA . . . . .	3-49
Life-Cycle Costs of Advanced Amphibious Assault System Candidates . . . . .	3-25
Life Cycle Cost Analysis for the Advanced Amphibious Assault (AAA) Program . . . . .	3-48
Light Strike Vehicle (LSV) COEA . . . . .	3-76
MACE 2010: Aircraft and Systems Required for Offensive Air Support . . . . .	3-52
Magnetic Countermine System COEA . . . . .	3-77
MAGTF Secondary Imagery Discrimination System COEA . . . . .	3-75
Maneuver Warfare Analytical and Research System Model . . . . .	3-80
Marine Corps Combat Element Mobility Requirements for Mobile Maintenance Facilities . . . . .	3-27
Medium Tactical Vehicle Replacement (MTVR) COEA . . . . .	3-72
Meteorological and Oceanographic (METOC) Support. . . . .	3-88
Mines/Minelaying and Countermine Requirements for the Mid-Range . . . . .	3-24
Mobile Electric Power (MEP) Optimization Model . . . . .	3-71
Muzzle Velocity Measuring Set COEA . . . . .	3-75
M9 Armored Combat Earthmover (ACE) COEA . . . . .	3-73
Near-Term Tactical Ballistic Missile Defense COEA . . . . .	3-80
Night Enhancement Capabilities for MAGTF Close Combat Operations . . . . .	3-24
Object-Oriented Modeling and Analysis of a Marine Corps Communications Architecture . . . . .	3-71
Portable Avionics Test Set Study - Data and Sources . . . . .	3-28

<b>SCIENCES, TECHNOLOGY, SYSTEMS, AND EQUIPMENT Continued</b>	<b><u>Page</u></b>
Revised Life-Cycle of Advanced Amphibious Assault System Candidates . . . . .	3-26
Roll-On/Roll-Off Discharge Facility: Operations Analysis . . . . .	3-28
SIGINT Technologies . . . . .	3-79
SIGINT Umbrella Study . . . . .	3-87
Simulation Offset to Live-Fire Training (Phase I) . . .	3-49
Simulation Offset to Live-Fire Training (Phase II) . .	3-81
Simulation Offset to Live-Fire Training (Phase III) . .	3-89
Small Arms Master Plan . . . . .	3-25
SMAW Block Upgrade (Cost and Operational Effectiveness Analysis) . . . . .	3-27
Survey of Systems for MAGTF Training . . . . .	3-27
Susceptibility Reduction Through Terrain Masking and Air Speed . . . . .	3-51
Tactical Combat Operations (TCO) COEA . . . . .	3-72
Technical Control and Analysis Center Product Improve- ment Program COEA . . . . .	3-73
Third Echelon Test Set COEA . . . . .	3-78
Theater Ballistic Missile (TBM) Command, Control, and Communications (C3) Architecture Analysis Within the Marine Air Command and Control System (MACCS) . . . .	3-87
Unmanned Ground Vehicles (UGV) . . . . .	3-24
USMC Requirements for Air Tactical Refueling Beyond the Year 2005 . . . . .	3-50
81mm Infrared Flare Mortars Cartridges (IMC) COEA . . .	3-73
155mm Moritzer Feasibility Analysis . . . . .	3-50

### CHAPTER 3. STUDY SUMMARIES

3.1. **GENERAL.** The studies contained in this chapter are listed by the fiscal year in which each study was initiated. To find a study by category or mission area, refer to the appropriate section of Chapter 2.

#### 3.2. Fiscal Year 1991

SCN: 29-910101  
Title: USMC Manpower, Personnel, and Training  
(MPT) Course Analysis and Development  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: MARCORSYSCOM  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Completed May 1992  
DTIC No.: AD-B174314  
Summary:

Develop and demonstrate a prototype course curriculum for the formal MPT training of Marine Corps personnel.

SCN: 29-910102  
Title: Casualty Rate Estimation  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (MPP)  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed January 1993  
DTIC No.: AD-B176802  
Summary:

Incorporate the results of the U.S. Navy DNBI Study into the CASRATE planning methodology, and develop a CASRATE-compatible estimation method for casualties resulting from nuclear, biological and chemical (NBC) weapons.

SCN: 29-910103  
Title: **Revision of Manpower Requirements  
Determination Program (MRDP)**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Completed November 1992  
DTIC No.: AD-B170648  
Summary:

To explore methods of determining manpower requirements or revising the current MRDP procedure in order to speed up the process and reduce its cost.

SCN: 29-910104  
Title: **SO/LIC OPS Foreign Language Proficiency**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Analysis of the need for foreign language proficiency and recommend programs to enhance the Marine Corps' foreign language capabilities.

SCN: 29-910105  
CNA No.: CRM 90-120  
Title: **Construction of Final Forms for a New  
Enlistment Screening Test**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed December 1990  
DTIC No.: AD-A235405  
Summary:

Two forms, each containing 35 verbal and 30 mathematics items, have been developed for a new Enlistment Screening Test (EST) to predict Armed Forces Qualification Test (AFQT) scores of military applicants.

SCN: 29-910106  
 CNA No.: CRM 90-119  
 Title: **Development of Overlength Forms for a New Enlistment Screening Test**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed December 1990  
 DTIC No.: AD-A235732  
 Summary:

Overlength forms, containing about 50 percent more items than needed in the final forms, have been developed for a new Enlisted Screening Test.

SCN: 29-910107  
 CNA No.: CRM 90-182  
 Title: **Validation of ASVAB Against Infantry Job Performance**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed December 1990  
 DTIC No.: AD-A235406  
 Summary:

The validity of the Armed Services Vocational Aptitude Battery (ASVAB) against several measures of infantry performance collected as part of Job Performance Measurement project.

SCN: 29-910108  
 CNA No.: CRM 90-217  
 Title: **Robust Estimation Using Student's t Distribution**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed December 1990  
 DTIC No.: AD-B152549  
 Summary:

Robust estimators are useful when observations contain gross errors or are sampled from a heavy-tailed distribution. Monte Carlo results show these estimators to be as efficient as the biweight estimators of location and scale.

SCN: 29-910109  
CNA No.: CRM 90-134  
Title: **The Marine Corps Aviator Pipeline**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1991  
DTIC No.: AD-B154623  
Summary:

This research memorandum describes the operation of the training pipeline for Marine Corps student naval aviators and student naval flight officers.

SCN: 29-910110  
CNA No.: CIM 135  
Title: **Longitudinal Tracking Files for Marine Corps Officers**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed February 1991  
DTIC No.: AD-B163124  
Summary:

This information memorandum describes a longitudinal tracking file for Marine Corps officers created from quarterly snapshots from the Headquarters Master File.

SCN: 29-910111  
CNA No.: CRM 90-238  
Title: **Average Cost of Training for First-Term Marines**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed April 1991  
DTIC: AD-B158811  
Summary:

This study attempts to measure the first-term costs and performance of enlisted Marines in several occupations. It also presents estimates of the costs per student for courses needed for Military Occupational Specialties studied in the project.

SCN: 29-910112  
CNA No.: CIM 127  
Title: Longitudinal ARSTAT Tracking Files for  
Enlisted Marines  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed April 1991  
DTIC No.: AD-B158237  
Summary:

The Marine Corps Quarterly Accession Retention Statistics (ARSTAT) files is a data base that provides both current and historical background records for enlisted Marines.

SCN: 29-910113  
CNA No.: CRM 91-82  
Title: Comparison of Three Procedures for  
Smoothing Score Distributions  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed June 1991  
DTIC No.: AD-A242134  
Summary:

Three parametric smoothing procedures are examined and found to be equally useful.

SCN: 29-910114  
CNA No.: CRM 91-85  
Title: Development of ASVAB Norms for the Student  
Testing Program  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed June 1991  
DTIC No.: AD-A242135  
Summary:

ASVAB scores will soon be reported on three composites and ten subtests. The objective of this research memorandum is to present norms for these scores.



SCN: 29-910115  
CNA No.: CRM 91-99  
Title: **Analysis and Prediction of Infantry Unit Leaders' Performance**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed June 1991  
DTIC No.: AD-B163271  
Summary:

This research memorandum covers a variety of issues related to the performance of enlisted infantry unit leaders and the ability of the ASVAB to predict that performance.

SCN: 29-910116  
CNA No.: CIM 122  
Title: **CNA's Longitudinal HMF Tracking Files for Enlisted Marines**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Status: Completed June 1991  
DTIC No.: N/A  
Summary:

This information memorandum describes CNA's current longitudinal tracking files of the Headquarters Master File for enlisted Marines.

SCN: 29-910117  
CNA No.: CIM 145  
Title: **USMC Training: An Overview**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Status: Completed June 1991  
DTIC No.: N/A  
Summary:

This information memorandum provides an overview of the organization of training within the Marine Corps, a description of the training paths traveled by enlisted Marines and officers, and some summary statistics.

SCN: 29-910118  
 CNA No.: CRM 91-53  
 Title: **An Investigation of Marriage and Dependency Rates for Enlisted Marines**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed July 1991  
 DTIC No.: AD-A246493  
 Summary:

This research memorandum analyzes the factors underlying the recent growth in the proportion of enlisted Marines that are married or that have dependents.

SCN: 29-910119  
 CNA No.: CRM 91-64  
 Title: **Reenlisting in the Marine Corps: The Impact of Bonuses, Grade, and Dependency Status**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed July 1991  
 DTIC No.: AD-A246494  
 Summary:

First-term reenlistment decisions for recommended and eligible Marines in FY 1980 through FY 1990 are analyzed in this research memorandum.

SCN: 29-910120  
 CNA No.: CIM 161  
 Title: **The Marine Corps Marriage and Dependent Children Database (MCMAD)**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed July 1991  
 DTIC No.: AD-B153245  
 Summary:

The Marine Corps Marriage and Dependent Children Database provides a quick-response capability for questions on marital and dependency status of enlisted Marines.

SCN: 29-910121  
CNA No.: CIM 172  
Title: Job Performance Tests for Motor Transport  
Mechanics - Volume I: Hands-On  
Performance Tests  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1991  
DTIC No.: AD-B163220  
Summary:

Performance tests and job knowledge tests were developed for the Job Performance Measurement Project.

SCN: 29-910122  
CNA No.: CIM 172  
Title: Job Performance Tests for Motor Transport  
Mechanics - Volume II: Administrative  
Duties and Job Knowledge Tests  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1991  
DTIC No.: AD-B163221  
Summary:

Performance tests and job knowledge tests were developed for specialties as part of the Marine Corps Job Performance Measurement Project.

SCN: 29-910123  
CNA No.: CIM 173  
Title: Updating CNA's Marine Corps Accession  
Cohort Files  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed August 1991  
DTIC No.: AD-B163052  
Summary:

Documents the accession cohort data system maintained by CNA.

SCN: 29-910124  
 CNA No.: CIM 179  
 Title: **Job Performance Tests for CH-46 Helicopter Mechanics - Volume I: Hands-On Test**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed August 1991  
 DTIC No.: AD-B163073  
 Summary:

Documents performance tests and job knowledge tests developed for CH-46 helicopter mechanics as part of the Marine Corps Job Performance Measurement Project.

SCN: 29-910125  
 CNA No.: CIM 179  
 Title: **Job Performance Tests for CH-46 Helicopter Mechanics - Volume II: Administrative Duties and Job Knowledge**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed August 1991  
 DTIC No.: AD-B163074  
 Summary:

Documents performance tests and job knowledge tests developed for CH-46 helicopter mechanics as part of the Marine Corps Job Performance Measurement Project.

SCN: 29-910126  
 CNA No.: CRM 90.219.10  
 Title: **Rankings by Historical Attrition Rates of Potential Marine Corps Recruits**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed September 1991  
 DTIC No.: AD-B172482  
 Summary:

Categorization and ranking of potential Marines based on historical non-end of service attrition rates.

SCN: 29-910127  
CNA No.: CRM 91-89  
Title: **Marine Corps Training Concepts, Issues, and Analyses**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed September 1991  
DTIC No.: AD-B171227  
Summary:

The study identified training issues facing the Marine Corps and investigated analytical methods and sources of training data.

SCN: 29-910128  
CNA No.: CRM 91-161  
Title: **An Analysis of CAT-ASVAB Scores in the Marine Corps JPM Data**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed September 1991  
DTIC No.: AD-A252074  
Summary:

Analysis of the results of CAT-ASVAB administered to 1,400 Marines.

SCN: 29-910129  
CNA No.: CIM 192  
Title: **Job Performance Tests for CH-53A/D Helicopter Mechanics, Volume I: Test**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1991  
DTIC No.: AD-A262178  
Summary:

Disseminate performance measures to Marine Corps personnel managers, training instructors, and interested researchers.

SCN: 29-910130  
CNA No.: CIM 192  
Title: Job Performance Tests for CH-53A/D  
Helicopter Mechanics, Volume II:  
Admin Duties and Job Knowledge Tests  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1991  
DTIC No.: AD-A262179  
Summary:

Disseminate performance measures to USMC personnel managers, training instructors, and interested researchers.

SCN: 29-910131  
CNA No.: CIM 196  
Title: A Test of the Temporal Invariance of ASVAB  
Item Parameters  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed November 1991  
DTIC No.: AD-A265208  
Summary:

ASVAB test data of 1980 national sample of youth vs results from a 1988 test administered to military applicants.

SCN: 29-910132  
CNA No.: CIM 200  
Title: Job Performance Tests for U/AH-1  
Helicopter Mechanics, Volume I: Hands-On  
Performance Test  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed November 1991  
DTIC No.: AD-B171174  
Summary:

The purpose of this information memorandum is to disseminate these performance measures to Marine Corps personnel managers, training instructors, and interested researchers.

SCN: 29-910133  
CNA No.: CIM 200  
Title: Job Performance Tests for U/AH-1  
Helicopter Mechanics, Volume II: Admin  
Duties and Job Knowledge Test  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed November 1991  
DTIC No.: AD-B171175  
Summary:

Disseminate these performance measures to Marine Corps personnel managers, training instructors, and interested researchers.

SCN: 29-910201  
Title: Mission Area Analysis MA 23 - Close Combat  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group  
Time Frame: Mid-Range  
Status: Completed June 1991  
DTIC No.: Not held by DTIC  
Summary:

Assess the MAGTF's capability to use tactical combat power to locate and destroy the enemy by fire and maneuver.

SCN: 29-910202  
Title: Command and Control Concept for Maneuver  
Warfare and Over-the-Horizon (OTH)  
Operations  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: PRC  
Time Frame: Long Range  
Status: Completed March 1992  
DTIC No.: AD-B165243  
Summary:

Develop a concept for a command and control system that will support the requirements imposed by using maneuver warfare and OTH operations.

SCN: 29-910203  
Title: **MAGTF Operations in an NBC Environment**  
Category: Concepts and Plans  
Classification: Secret  
Sponsor: MCCDC (C&P)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Determine alternatives for how an expeditionary Marine Air-Ground Task Force (MAGTF) can survive and maintain momentum in an NBC environment by looking at how the MAGTF protects itself, detects and identifies hazards, decontaminates personnel and equipment, and warns and reports the presence of NBC hazards.

SCN: 29-910204  
Title: **Mission Area Analysis MA 22 - Ground Tactical Mobility/Counter-mobility**  
Category: Concepts and Plans  
Classification: Confidential  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group  
Time Frame: Short Range  
Status: Completed November 1991  
DTIC No.: AD-B162451  
Summary:

Assess the MAGTF's ground tactical mobility/counter-mobility capabilities.

SCN: 29-910207  
Title: **Mission Area Analysis MA 70 - Manpower**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Completed August 1992  
DTIC No.: AD-B171473  
Summary:

To define and assess the Marine Corps' manpower requirements, determine capabilities to manage personnel procurement, classification and distribution, and identify and prioritize deficiencies.



SCN: 29-910208  
Title: NorthEast Asia Scenario  
Category: Concepts and Plans  
Classification: Secret  
Sponsor: MCCDC (C&P)  
Performing Activity: TRADOC  
Time Frame: Long Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

To develop theater, corps, and MAGTF scenarios for the 2000-2005 time frame based on the Illustrative Planning Scenario in the Defense Guidance and existing campaign plans.

SCN: 29-910209  
Title: Mission Area Analysis MA 33 -  
Assault Support  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group  
Time Frame: Short Range  
Status: Completed November 1991  
DTIC No.: AD-B162450  
Summary:

Assess the Aviation Combat Element's ability to provide an assault support capability to the MAGTF.

SCN: 29-910210  
Title: Mission Area Analysis MA 34 -  
Offensive Air Support  
Category: Concepts and Plans  
Classification: Confidential  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group  
Time Frame: Mid-Range  
Status: Completed January 1992  
DTIC No.: AD-B162452  
Summary:

Assess the Aviation Combat Element's ability to provide offensive air support to the MAGTF.

SCN: 29-910211  
 CNA No.: CRM 91-101  
 Title: **Maritime Prepositioned Force Offload Model, Vol. I: Main Text/Appendixes A/B**  
 Category: Concepts and Plans  
 Classification: Confidential  
 Sponsor: MCCDC (REQ)  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed April 1991  
 DTIC No.: N/A  
 Summary:

Documents the design and use of the Maritime Prepositioned Force (MPF) Offload Model.

SCN: 29-910212  
 CNA No.: CRM 91-128  
 Title: **Marine Corps Training Ammunition Requirements Study: Extension for Mobilization Training**  
 Category: Concepts and Plans  
 Classification: Unclassified  
 Sponsor: MCCDC (T&E)  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed July 1991  
 DTIC No.: AD-B163272  
 Summary:

Describes the study of the USMC mobilization process and the results of developing an extension of the TARMS methodology to include training ammunition requirements for Marine Corps mobilization.

SCN: 29-910213  
 CNA No.: CIM 167  
 Title: **Marine Aviation Combat Element (MACE) 2010 Study: Scenario and Concept of Operations**  
 Category: Concepts and Plans  
 Classification: Secret/NOFORN  
 Sponsor: HQMC (AVN)  
 Performing Activity: CNA  
 Time Frame: Long Range  
 Status: Completed November 1991  
 DTIC No.: N/A  
 Summary:

Presents a mid-level intensity scenario to complement the MACE 2010 Study.

SCN: 29-910301  
Title: **The Marine Corps Model**  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group  
(Phase I)  
Contractor-TBD (Phase II)  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

To develop a prototype family of models that incorporate knowledge-based expert system applications to support MAGTF force structure planning.

SCN: 29-910302  
Title: **Measures of Effectiveness for Marine Corps Readiness and Sustainability (Phases I & II)**  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: HQMC (LPM)  
Performing Activity: PRC  
Time Frame: Long Range  
Status: Completed May 1992  
DTIC No.: AD-B162164  
Summary:

To develop a methodology to show the effect on MAGTF readiness and sustainability resulting from a change in OPSTEMPO or a material shortage in various classes of supply; and to quantify the impact that cuts to O&M funding will have on MAGTF readiness and sustainability.

SCN: 29-910303  
Title: **Tailoring the MAGTF for Combat Against a Strong Armored Threat**  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: Marine Corps University  
Performing Activity: Naval Postgraduate School  
Time Frame: Short Range  
Status: Completed September 1991  
DTIC No.: AD-A159748  
Summary:

Determine the optimum organizational structure of the MAGTF capable of conducting offensive operations in level desert terrain against a strong armored enemy while continuing to possess effective strategic mobility.

SCN: 29-910304  
 Title: **Automation of the Marine Corps Health Service Support (HSS) for Use Within the Combat Service Support TSS**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: MCCDC (DOC)  
 Performing Activity: CASCOM  
 Time Frame: Mid-Range  
 Status: Completed March 1993  
 DTIC No.: AD-B173061  
 Summary:

Build Marine Corps HSS structures, their inherent task organization, mission and treatment capabilities, authorized medical and dental lists (AMAL/ADALs) and supply levels, and organic HSS transportation assets.

SCN: 29-910305  
 Title: **Marine Corps Aviation Mishap Rate Assessment**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: HQMC (ASA)  
 Performing Activity: ASEC  
 Time Frame: Short Range  
 Status: Completed May 1992  
 DTIC No.: AD-B165036L  
 Summary:

An impartial evaluation of current Marine Aviation concepts, policies, techniques, methods, and systems from calendar year 1986 to the present.

SCN: 29-910306  
 CNA No.: CRM 90-249  
 Title: **Initial Deployment of Navy Medical Assets in Support of Operation Desert Shield**  
 Category: Operations and Force Structure  
 Classification: Secret  
 Sponsor: MCCDC (DOC) and OP-08  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed January 1991  
 DTIC No.: N/A  
 Summary:

The Navy has provided significant medical support for Operation Desert Shield. This research memorandum describes the initial deployment of the Navy's medical assets through 6 October 1990.

SCN: 29-910307  
CNA No.: CRM 91-37  
Title: **Marine Corps Operations in Desert Shield**  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: MCCDC (DOC) and OP-08  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed February 1991  
DTIC No.: N/A  
Summary:

This research memorandum documents the activities of the Marine Corps during Operation Desert Shield, between 2 August 1990 and 15 January 1991. The analysis summarizes the deployments during the operations, documenting the command relationships throughout.

SCN: 29-910308  
CNA No.: CRM 91-26  
Title: **Maritime Intercept Operations**  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: MCCDC (DOC) and OP-08  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed February 1991  
DTIC No.: N/A  
Summary:

Desert Shield maritime operations between 18 August 1990 and 15 January 1991 are analyzed based on message traffic received at CNA and correspondence received from field representatives.

SCN: 29-910309  
CNA No.: CRM 91-15  
Title: **Exercise FREEDOM BANNER/Humanitarian Assistance MAGTF-90**  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: FMFPAC  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1991  
DTIC No.: AD-B158077  
Summary:

The standup and operation of the humanitarian assistance Crisis Action Module (CAM) is evaluated.

SCN: 29-910310  
CNA No.: CRM 91-57  
Title: **Battle Group Delta Participation in Desert Shield Operations**  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: MCCDC (C&P) and OP-08  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1991  
DTIC No.: N/A  
Summary:

Documents the participation of Battle Group Delta in Operation Desert Shield from August 1990 to November 1990.

SCN: 29-910311  
CNA No.: CRM 91-97  
Title: **The Deployment of U.S. Navy Carriers for Operation Desert Storm**  
Category: Operations and Force Structure  
Classification: Confidential  
Sponsor: MCCDC (C&P) and OP-08  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed August 1991  
DTIC No.: N/A  
Summary:

Overview of the procedures that were followed for deploying the six carriers that conducted combat operations during Operation Desert Storm (ODS).

SCN: 29-910312  
CNA No.: CRM 91-153  
Title: **Preparations for Casualty Regulating and CONUS Care During Operation Desert Storm**  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: MCCDC (DOC) and OP-08  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1991  
DTIC No.: N/A  
Summary:

Description of the system established to regulate the flow of Desert Storm casualties from theater and the build-up of capabilities in the continental U.S. (CONUS) to receive casualties.

SCN: 29-910313  
 CNA No.: CRM 91-228  
 Title: **Marine Corps Desert Storm Reconstruction Report - Volume II: Ground Force Operations**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: MCCDC (C&P)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed October 1991  
 DTIC No.: N/A  
 Summary:

Documents the events that occurred on the ground and discusses a number of issues or events that emerged from the planning and operations. Includes a chronological narrative of the Marine Corps operations and how they fit into the theater commander's plan.

SCN: 29-910401  
 Title: **Command Religious Program Logistics in Combat (1991-2000)**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: MCCDC (DOC)  
 Performing Activity: Internal Marine Corps Working Group  
 Time Frame: Mid-Range  
 Status: Completed November 1991  
 DTIC No.: AD-B143863  
 Summary:

To determine chaplain hardware and consumable kit requirements based on the religious demographics of Marines, the number of chaplains assigned to the Marine Corps and their religious affiliation, and specific combat kit needs.

SCN: 29-910402  
 CNA No.: CRM 91-17  
 Title: **Operation Desert Shield Bulk Fuel Planning**  
 Category: Installations and Logistics  
 Classification: Secret  
 Sponsor: MCCDC (DOC) and OP-08  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed February 1991  
 DTIC No.: N/A  
 Summary:

Operation Desert Shield bulk fuel planning as undertaken by the staff of the Seventh Marine Expeditionary Brigade is examined.

SCN: 29-910403  
 CNA No.: CRM 91-38  
 Title: **Reconfiguration of MPSRon-3 to Support the Priority Force Modules**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: FMFPAC  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed March 1991  
 DTIC No.: AD-B152762  
 Summary:

The ability of MPSRons to support priority force modules is investigated through an analysis of MPSRon-3, a squadron of four Am sea-class ships.

SCN: 29-910404  
 CNA No.: CRM 91-24  
 Title: **MPS Squadron Three Ordnance Sustainment for Priority Force Modules**  
 Category: Installations and Logistics  
 Classification: Secret  
 Sponsor: FMFPAC  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed March 1991  
 DTIC No.: N/A  
 Summary:

Examines the ability of ships in Maritime Prepositioned Ship (MPS) Squadron Three to provide sufficient ordnance sustainment to forces the size of a MEU or low-intensity conflict Marine Expeditionary Brigade (LIC MEB).

SCN: 29-910405  
 CNA No.: CRM 91-73  
 Title: **Reconfiguration of MPSRon-2 to Support the Priority Force Modules, Volume I: Main Text and Appendixes A-E**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: FMFPAC  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed March 1991  
 DTIC No.: AD-B152763  
 Summary:

The ability of Maritime Prepositioned Ship Squadrons (MPSRons) to support priority force modules was investigated.



SCN: 29-910406  
 CNA No.: CRM 91-74  
 Title: **Reconfiguration of MPSRon-2 to Support the  
Priority Force Modules, Volume II:  
Appendix F - Ordnance Sustainment**  
 Category: Installations and Logistics  
 Classification: Secret  
 Sponsor: FMFPAC  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed March 1991  
 DTIC No.: N/A  
 Summary:

The ability of Maritime Prepositioned Ship Squadrons (MPSRons) to support priority force modules was investigated.

SCN: 29-910407  
 CNA No.: CNR 190  
 Title: **FMF Force Module Enhancement Study**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: FMFPAC  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed March 1991  
 DTIC No.: AD-B152767  
 Summary:

The FMF Force Module Enhancement Study was conducted to demonstrate that the Maritime Prepositioning Ship Squadrons can effectively support priority force modules.

SCN: 29-910408  
 CNA No.: CRM 91-6  
 Title: **Supporting Amphibious Assault from a Sea  
Base**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: 5th MEB and COMPHIBGRU 3  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed April 1991  
 DTIC No.: AD-B152792  
 Summary:

The application of sea-based logistics in KERNAL BLITZ-89 and RIMPAC-90 is investigated.

SCN: 29-910409  
 CNA No.: CRM 90-265  
 Title: **The Marine Corps Training Ammunition Study**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: MCCDC (T&E)  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed April 1991  
 DTIC No.: AD-B158179  
 Summary:

This study analyzed and structured the total annual training ammunition requirements, assuming that all Marines, active duty and reserve, perform all their required annual training to achieve prescribed standards.

SCN: 29-910410  
 CNA No.: CRM 91-121  
 Title: **The Maritime Prepositioned Force Offload Model: Appendix C and Appendix D - Data Dictionary and Computer Code**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: MCCDC (DOC)  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed April 1991  
 DTIC No.: AD-B158811  
 Summary:

Documents the design and use of the Maritime Prepositioned Force (MPF) Offload Model. The model was written at CNA to examine MPF offload operations in different environments.

SCN: 29-910411  
 CNA No.: CRM 91-202  
 Title: **MPS Maintenance Study**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: HQMC (I&L)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed August 1991  
 DTIC No.: AD-B163313  
 Summary:

Analysis of the labor force and site for maintenance of equipment on Maritime Prepositioned Ships. Includes an evaluation of the purchase alternative to the present lease for the property at Blount Island.

SCN: 29-910501  
Title: **Mines/Minelaying and Countermine Requirements for the Mid-Range**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Completed March 1992  
DTIC No.: AD-B165024L  
Summary:

Survey current mine and countermine capabilities; compare requirements and capabilities; and determine deficiencies and make recommendations for changes in doctrine, organization and equipment.

SCN: 29-910502  
Title: **Unmanned Ground Vehicles (UGV)**  
Category: Science, Technology, Systems, and Equipment  
Classification: Secret  
Sponsor: Unmanned Ground Vehicle Joint Project Officer  
Performing Activity: AMSAA  
Time Frame: Long Range  
Status: Completed March 1992  
DTIC No.: AD-B164352L  
Summary:

Identify warfighting missions UGVs can effectively perform based on both the opportunities presented by the technology and on current, identified deficiencies.

SCN: 29-910503  
Title: **Night Enhancement Capabilities for MAGTF Close Combat Operations**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Completed January 1993  
DTIC No.: AD-B176932  
Summary:

Determine the most appropriate and effective night enhancement capabilities for close combat during the period 1995-2004.

SCN: 29-910504  
Title: **Small Arms Master Plan**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MARCORSYSCOM  
Performing Activity: Radian  
Time Frame: Mid-Range  
Status: Completed February 1993  
DTIC No.: Not held by DTIC  
Summary:

To support concept development and determine the most appropriate and effective means of enhancing small arms capabilities during the period 1994-2015.

SCN: 29-910505  
CNA No.: CRM 90-253  
Title: **Life-Cycle Costs of Advanced Amphibious Assault System Candidates**  
Category: Science, Technology, Systems, and Equipment  
Classification: For Official Use Only  
Sponsor: MARCORSYSCOM  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed January 1991  
DTIC No.: AD-B162359  
Summary:

Provides life-cycle cost estimates for those options and for certain amphibious ships and craft, the quantities of which could be reduced by the choice of the AAA option.

SCN: 29-910506  
CNA No.: CNR 182  
Title: **Advanced Amphibious Assault (AAA) Program COEA: Summary Report**  
Category: Science, Technology, Systems, and Equipment  
Classification: Secret/NOFORN  
Sponsor: MARCORSYSCOM  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed March 1991  
DTIC No.: N/A  
Summary:

Milestone I Cost and Operational Effectiveness Analysis of the Advanced Amphibious Assault (AAA) system.

SCN: 29-910507  
CNA No.: CRM 90-252  
Title: **Examination of Cueing Errors for LAAD Teams**  
Category: Science, Technology, Systems, and Equipment  
Classification: Confidential  
Sponsor: MCCDC (REQ) and MAWTS-1  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed March 1991  
DTIC No.: AD-B152770  
Summary:

The cause and severity of cueing errors from two cueing systems for Low-Altitude Air Defense (LAAD) are examined.

SCN: 29-910508  
CNA No.: CRM 91-1  
Title: **HAWK Missile Systems Aboard AFOE Shipping**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: CNA  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed March 1991  
DTIC No.: AD-B163228  
Summary:

The feasibility of deploying the HAWK missile system on board strategic sealift ships for limited AAW self defense is investigated.

SCN: 29-910509  
CNA No.: CRM 91-88  
Title: **Revised Life-Cycle of Advanced Amphibious Assault System Candidates**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MARCORSYSCOM  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed April 1991  
DTIC No.: AD-B171226  
Summary:

Impact of cost estimate changes are analyzed as related to the Advanced Amphibious Assault system.

SCN: 29-910510  
CNA No.: CIM 150  
Title: **Marine Corps Combat Element Mobility Requirements for Mobile Maintenance Facilities**  
Category: Science, Technology, Systems, and Equipment  
Classification: For Official Use Only  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed July 1991  
DTIC No.: N/A  
Summary:

Assesses the mobility footprint of the mobile maintenance facilities of various MAGTFs.

SCN: 29-910511  
CNA No.: CRM 91-192  
Title: **Survey of Systems for MAGTF Training**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: FMFPAC  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed October 1991  
DTIC No.: AD-B163277  
Summary:

Results of a survey of training devices and simulations by CNA and staff members of CG FMFPAC to determine whether these components could be integrated into an overall system.

SCN: 29-910512  
CNA No.: CRM 91-222  
Title: **Cost and Operational Effectiveness Analysis of the SMAW Block Upgrade**  
Category: Science, Technology, Systems, and Equipment  
Classification: Confidential  
Sponsor: MARCORSYSCOM  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed November 1991  
DTIC No.: N/A  
Summary:

Compares the cost and effectiveness of the shoulder-launched multipurpose assault weapon (SMAW) to the upgraded version and the disposable version.

SCN: 29-910513  
CNA No.: CIM 196  
Title: **Data and Sources for the Marine Corps  
Portable Avionics Test Set**  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1991  
DTIC No.: AD-B153128  
Summary:

Investigation of alternate repair options associated with the repair of avionics components on a portable version of the Consolidated Automated Support System (CASS).

SCN: 29-910514  
CNA No.: CIM 91-172  
Title: **Roll-On/Roll-Off Discharge Facility:  
Operations Analysis**  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1991  
DTIC No.: AD-B153203  
Summary:

Investigation of the engineering, operational, and environmental issues affecting RRDFs.

SCN: 29-910601  
Title: **Wargaming in Support of the POM Process  
(Phase I)**  
Category: Management  
Classification: Unclassified  
Sponsor: MCCDC (WG&CS)  
Performing Activity: DDI  
Time Frame: Mid-Range  
Status: Completed September 1992  
DTIC No.: AD-B163192  
Summary:

To determine which wargames can best support the PPBS process and to define procedures that will integrate those wargames into the process.

SCN: 29-910602  
 CNA No.: CIM 134  
 Title: **User's Manual for the Marine Corps Training Ammunition Requirements Management System (TARMS)**  
 Category: Management  
 Classification: Unclassified  
 Sponsor: MCCDC (T&E)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed July 1991  
 DTIC No.: AD-B163087  
 Summary:

Provides documentation and guidelines for the users of the Training Ammunition Requirements Management System (TARMS).

SCN: 29-910603  
 CNA No.: CRM 91-120  
 Title: **Data Quality for Automotive Maintenance Phase of the Marine Corps Job Performance Measurement (JPM) Project**  
 Category: Management  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed August 1991  
 DTIC No.: AD-B152068  
 Summary:

Examination of the quality of data collected for the automotive maintenance portion of the Marine Corps Job Performance Measurement project, and describes measures taken to minimize the effect of questionable or missing cases.

SCN: 29-910604  
 CNA No.: CIM 156  
 Title: **TARMS User's Guide: Extension for Mobilization**  
 Category: Management  
 Classification: Unclassified  
 Sponsor: MCCDC (T&E)  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed September 1991  
 DTIC No.: AD-B163865  
 Summary:

The new mobilization module for TARMS is described and users are provided with information for its maintenance and operation.



SCN: 29-910801  
CNA No.: CRM 90-247  
Title: **History of Maritime Patrol Aircraft (MPA)  
Crisis Response Activity: A Brief Look**  
Category: International Security  
Classification: Secret/NOFORN/WNINTEL  
Sponsor: HQMC (PP&O) and OP-06  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed December 1990  
DTIC No.: N/A  
Summary:

This research memorandum examines the role of Maritime Patrol Aircraft (MPA) in these crisis response actions over the past 15 years.

SCN: 29-910802  
CNA No.: CRM 90-246  
Title: **The Use of Naval Forces in the Post-War  
Era: U.S. Navy and U.S. Marine Corps  
Crisis Response Activity 1946 - 1989**  
Category: International Security  
Classification: Unclassified  
Sponsor: HQMC (PP&O) and OP-06  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed February 1991  
DTIC No.: Not held by DTIC  
Summary:

Since the end of WWII, U.S. Naval Forces have played a major role in at least 207 U.S. responses to international incidents and crises, exclusive of the Korean and Vietnam wars. This research memorandum summarizes these U.S. Navy and U.S. Marine Corps crisis management operations.

### 3.3. Fiscal Year 1992

SCN: 29-920101  
CNA No.: CRM 92-85  
Title: **Managing the Marine Corps' Enlisted Force in the 1990's**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed November 1993  
DTIC No.: Pending  
Summary:

Provide alternative strategies for meeting prescribed end strength levels over the Future Years Defense Plan (FYDP). Addresses alternative accession policies, varying continuation rates, and desired advancement profiles for enlisted Marines.

SCN: 29-920102  
Title: **Manpower Requirements Assessment Survey**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: Internal Marine Corps Working Group  
Time Frame: Mid-Range  
Status: Completed January 1993  
DTIC No.: AD-B171040  
Summary:

Develops a process that will prioritize and analyze non-FMF workload by functional area and identify workload requirements which can be streamlined, consolidated, reduced, or eliminated.

SCN: 29-920103  
CNA No.: CRM 93-203  
Title: **Job Performance Measurement Project (Phase I)**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed October 1993  
DTIC No.: Pending  
Summary:

An in-depth research effort to validate enlistment tests and selection standards against actual measures of job performance. Particular emphasis is on the test development and administration for the electronics repair composite.

SCN: 29-920104  
CNA No.: CRM 91-127  
Title: **Analysis of Support Funding for Marine Corps Recruiting**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1992  
DTIC No.: AD-A254597  
Summary:

An attempt to identify an improved method of allocating Marine Corps recruiting support funds to the districts.

SCN: 29-920105  
CNA No.: CRM 91-221  
Title: **Data Quality for the Helicopter Maintenance Phase of the Marine Corps Job Performance Measurement Project**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1992  
DTIC No.: AD-B165342  
Summary:

Examines the quality of data collected for the helicopter maintenance portion of the Marine Corps JPM project and describes measures taken to minimize the effect of questionable or missing cases.

SCN: 29-920106  
CNA No.: CRM 91-224  
Title: **Uniqueness of a Psychomotor Construct to ASVAB**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1992  
DTIC No.: AD-B165896  
Summary:

Examination of the comparability of measurement for the computerized and paper-and-pencil ASVAB tests.

SCN: 29-920107  
 CNA No.: CRM 266  
 Title: **An Inventory Flow Model to Investigate Transitions in Enlisted Marine Corps Endstrength**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed February 1992  
 DTIC No.: AD-A221841  
 Summary:

Description of the LOTUS 1-2-3 spreadsheet designed to analyze yearly transitions between enlisted Marine Corps endstrength numbers from one fiscal year to the next.

SCN: 29-920108  
 CNA No.: CRM 91-246  
 Title: **Reliability of Mechanical Maintenance Performance Measures**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed February 1992  
 DTIC No.: AD-B165223  
 Summary:

Examination of the reliability of two performance measures for mechanical maintenance developed by the Marine Corps Job Performance Measurement Project: Hands-on performance tests and job knowledge tests.

SCN: 29-920109  
 CNA No.: CRM 91-230  
 Title: **Seasonal Patterns in the Senior and Graduate Markets for Marine Recruits**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed March 1992  
 DTIC No.: AD-B166144  
 Summary:

Examination of the effects the time of the has when a contract is assigned on the Delayed Entry Program.

SCN: 29-920110  
CNA No.: CRM 91-242  
Title: **Development and Scoring of Hands-on  
Performance Tests for Mechanical  
Maintenance Specialties**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1992  
DTIC No.: Not held by DTIC  
Summary:

Report on the procedures used for the development and scoring of hands-on performance tests for the mechanical phase of the Job Performance Measurement project

SCN: 29-920111  
CNA No.: CRC 615  
Title: **Polynomial Families of Distribution**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed March 1992  
DTIC No.: AD-B166308  
Summary:

This research paper explores the theory of polynomial families.

SCN: 29-920112  
CNA No.: CIM 220  
Title: **Inventory Force Simulation for Enlisted  
Marines**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed June 1992  
DTIC No.: AD-B166759  
Summary:

Description of how the Inventory Force Simulation is run on a personal computer.

SCN: 29-920113  
CNA No.: CRM 92-71  
Title: **Sensitivity and Fairness of the Marine Corps Mechanical Maintenance Composite**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed June 1992  
DTIC No.: Not held by DTIC  
Summary:

This research memorandum analyzes the prediction of hands-on performance in the automotive mechanic occupational specialty using the Marine Corps' Mechanical Maintenance Composite.

SCN: 29-920114  
CNA No.: CRM 92-36  
Title: **Factor Structure and Incremental Validity of the Enhanced Computer-Administered Tests**  
Category: Manpower and Personnel  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed July 1992  
DTIC No.: AD-B168010  
Summary:

Investigation of new computerized predictor tests that are sensitive to traits not measured by the current ASVAB.

SCN: 29-920115  
CNA No.: CRM 92-80  
Title: **Computing AFQT Scores from Historical Data**  
Category: Manpower and Personnel  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed August 1992  
DTIC No.: AD-B168161  
Summary:

This research memorandum discuss the difficulties of interpreting historical data from the AFQT and suggests solutions.

SCN: 29-920116  
 CNA No.: CRM 92-85  
 Title: **Determining the Number and Composition of First-Term Reenlistments: The First-Term Alignment Plan (FTAP)**  
 Category: Manpower and Personnel  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed October 1992  
 DTIC No.: AD-B170642  
 Summary:

Description of how the FTAP was constructed from FY 1988 through FY 1991.

SCN: 29-920117  
 CNA No.: CRM 91-160  
 Title: **Time in Grade: A Historical Summary for Enlisted Marine Corps' Promotions from FY 1979 through FY 1990**  
 Category: Manpower and Personnel  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed October 1992  
 DTIC No.: AD-B171232  
 Summary:

Documentation of the slowdown in enlisted Marine promotions in the last decade.

SCN: 29-920201  
 CNA No.: CRM 93-117  
 Title: **Mission Area Analysis MA 60 - Training**  
 Category: Concepts and Plans  
 Classification: Unclassified  
 Sponsor: MCCDC (T&E)  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed October 1993  
 DTIC No.: Pending  
 Summary:

Addresses those activities associated with the development of training standard and the identification of training support required to conduct institutional and unit training and professional education for individuals and units.

SCN: 29-920206  
Title: **Mission Area Analysis MA 45 - Health Services**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed April 1993  
DTIC No.: AD-B172848  
Summary:

Addresses those capabilities of medical and dental support units whose mission is to conserve combat power by providing health maintenance, casualty collection, casualty treatment, and temporary hospitalization and evacuation.

SCN: 29-920208  
Title: **Mission Area Analysis MAs 41 and 42 - Supply and Maintenance**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed May 1993  
DTIC No.: AD-B173004  
Summary:

Supply; addresses those capabilities which provide air and ground amphibious forces with supply support and supply maintenance. Maintenance; addresses those capabilities required to retain material in a serviceable condition or restore it to serviceability.

SCN: 29-920210  
Title: **Marine Corps Scenario Development**  
Category: Concepts and Plans  
Classification: Secret/NOFORN  
Sponsor: MCCDC (C&P)/HQMC (INTEL)  
Performing Activity: Internal Marine Corps Working Group  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

To define Marine Corps scenario requirements; to develop a design architecture for a family of scenarios which will support wargaming, modeling, and mid- and long-range research, development and analysis; and to develop, revise, and/or modify existing scenarios to support defined requirements.



SCN: 29-920211  
Title: Naval Forces and Power Projection  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: HQMC (Commandant)  
Performing Activity: Fletcher School of Diplomacy  
Time Frame: Long Range  
Status: Completed October 1992  
DTIC No.: AD-B165038  
Summary:

To investigate the strategic needs of future maritime forces to project power ashore.

SCN: 29-920212  
CNA No.: TBD  
Title: Componency/JTF Study  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/CNA  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Delineate the roles, (peacetime and wartime) missions, functions, and capabilities of the component commander. Identify the deficiencies of the Marine Corps component headquarters, subordinate MAGTF, and the MEF headquarters functioning as a JTF headquarters to perform the roles, missions, and functions required.

SCN: 29-920213  
Title: Mission Area Analysis MA 43 -  
Transportation  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed May 1993  
DTIC No.: AD-B173003  
Summary:

Addresses those functions which provide air and ground amphibious forces with capabilities for the transfer of personnel, supplies, and equipment by ground, air, or sea.

SCN: 29-920214  
CNA No.: CIM 184  
Title: **Concept of Operations for Electronic Warfare in MACE 2010**  
Category: Concepts and Plans  
Classification: Secret  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed January 1992  
DTIC No.: N/A  
Summary:

Assessment of the needs of the ACE which were addressed in the POM-94 decision process.

SCN: 29-920215  
CNA No.: CIM 214  
Title: **Concept of Operations and Courses of Action for Marine Air Defense in the MACE Scenario**  
Category: Concepts and Plans  
Classification: Confidential  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed April 1992  
DTIC No.: N/A  
Summary:

This information memorandum updates the MACE study and reports on the concept of operations and courses of action for the air defense subfunction of Marine Corps aviation.

SCN: 29-920216  
CNA No.: CIM 231  
Title: **MACE 2010: OAS Concept of Operations**  
Category: Concepts and Plans  
Classification: Confidential  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed May 1992  
DTIC No.: N/A  
Summary:

This information memorandum provides a concept of operations for the offensive air support function of Marine aviation.

SCN: 29-920217  
CNA No.: CIM 189  
Title: **Concept of Operations for Reconnaissance  
in MACE 2010**  
Category: Concepts and Plans  
Classification: Secret  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed October 1992  
DTIC No.: N/A  
Summary:

The objective of this memorandum is to provide a framework for the development of a concept of operations for the air reconnaissance function of Marine Aviation.

SCN: 29-920301  
CNA No.: N/A  
Title: **FMF Force Structure Determination Model**  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: FMFPAC  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Determine quantitative measures to represent each variable and variable combination that affect FMF force structure and develop a zero-sum model that provides an optimal FMF force structure given specific variable input

SCN: 29-920302  
Title: **Manning and Equipping of the Combat  
Engineer Battalion**  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: FMFPAC  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

To identify the optimum manning and equipment for each CEB.

SCN: 29-920303  
Title: Crisis Interaction Requirements Study  
(CIRS) - Phase II  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: HQMC (SO/LIC, PP&O)  
Performing Activity: KAPOs Associates  
Time Frame: Mid-Range  
Status: Completed November 1992  
DTIC No.: Not held by DTIC - Special Access  
Information

**Summary:**

To create additional prototype Special Operation TACTRASITS for the SOUTHCOM and CENTCOM regions which will provide a broader regional perspective to the MAGTF Special Operations training package.

SCN: 29-920304  
Title: Organizational Structure and Command  
Relationships of Medical Services in the  
FMF  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: FMFLANT  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Incorporated into SCN 29-920206  
DTIC No.: N/A  
Summary:

Improve continuity of medical care, planning, evacuation, regulating, responsiveness, and logistics throughout the MAGTF. Investigate the options of restructuring the medical services under a medical command (Medical Service Support Element).

SCN: 29-920305  
Title: Marine Corps Air-Ground Task Force Air  
Defense Organization  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: MCCDC (REQ)  
Performing Activity: PSE  
Time Frame: Long Term  
Status: Completed January 1993  
DTIC No.: Not held by DTIC  
Summary:

Evaluation through 2015 of MAGTF air defense operational concepts and concepts of operations to determine their feasibility of supporting the anti-tactical ballistic missile (ATBM) mission and joint air defense interoperability requirements.

SCN: 29-920306  
Title: Measures of Effectiveness for Marine Corps  
Readiness and Sustainability (Phase III)  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: HQMC (LPM)  
Performing Activity: PRC  
Time Frame: Long Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

This study implements the recommendations of an earlier effort - MOE (Phases I and II) SCN 29-910302.

SCN: 29-920307  
CNA No.: CRM 91-225  
Title: Marine Corps Combat Service Support  
Reserve Activation for Operation Desert  
Shield/Storm  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed December 1991  
DTIC No.: N/A  
Summary:

Examination of the activization of combat service support reservists for Operation Desert Shield/Storm.

SCN: 29-920308  
CNA No.: CRM 91-227  
Title: Marine Corps Operations in Desert Shield/  
Desert Storm - Volume I: Overview and  
Summary  
Category: Operations and Force Structure  
Classification: Secret  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed August 1992  
DTIC No.: N/A  
Summary:

Overview of USMC operations ashore and afloat in Operation Desert Shield/Storm.

SCN: 29-920401  
Title: **Operational Requirements for the Relocation of MCAS Tustin to Twentynine Palms, CA**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: HQMC (I&L)  
Performing Activity: PSE  
Time Frame: Short Range  
Status: Completed June 1992  
DTIC No.: AD-B168173  
Summary:

Addresses projected MCAS, MAG-16 and other tenants, and MCAGCC Twentynine Palms CAX operational requirements in terms of flight operations, training administrative, maintenance, and types of storage facilities.

SCN: 29-920402  
Title: **Marine Corps Ground Ammunition Annual Peacetime and Mobilization Requirements Determination (1992)**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed August 1992  
DTIC No.: AD-B169028L  
Summary:

The focus of this study is to determine, through the MCARMS methodologies, Marine Corps annual peacetime and mobilization proposed acquisition quantities for Class V(W) for the period FY94-FY99.

SCN: 29-920403  
Title: **The Marine Corps and Containers**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: N/A  
Time Frame: Long Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Develop a concept of container usage based upon lessons learned during Operation Desert Shield/Storm and will project Marine Corps container utilization through the year 2010.

SCN: 29-920404  
CNA No.: N/A  
Title: **Validation and Maintenance of the Logistic Factors File (LFF) for the Marine Corps**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: HQMC (I&L)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Validate, modify, and propose a service maintenance process to the LFF in order to obtain more accurate supply consumption factors.

SCN: 29-920405  
CNA No.: TBD  
Title: **Use of Alternate Support to Perform Maintenance that is Beyond Inherent Command Capabilities**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCAGCC  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

To determine the optimum approach to provide maintenance support for Marine Corps tactical equipment located in the MCAGCC Equipment Allowance Pool (EAP).

SCN: 29-920406  
Title: **Amphibious Warfare School CSS Sustainment and Supportability Capabilities**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: ASEC  
Time Frame: Mid-Range  
Status: Completed May 1992  
DTIC No.: AD-B164818  
Summary:

Develop a prototype wargaming/simulation device which will expand and reinforce the CSS knowledge which Marine captains of any MOS should master prior to graduation.

SCN: 29-920407  
 Title: **CSS Task Organization Criteria**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: MCCDC (REQ)  
 Performing Activity: ASEC  
 Time Frame: Mid-Range  
 Status: Completed December 1993  
 DTIC No.: Pending  
 Summary:

Determine how the personnel criteria and task organization procedures currently in place should be redesigned to meet operational requirements in 1995 and beyond.

SCN: 29-920408  
 Title: **Depot Maintenance Activity Review**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: HQMC (I&L)  
 Performing Activity: PRC  
 Time Frame: Long Range  
 Status: Completed December 1993  
 DTIC No.: Pending  
 Summary:

Develop a long range program that addresses the depot maintenance capabilities necessary to meet the future requirements of the Marine Corps for the next fifteen years.

SCN: 29-920409  
 CNA No.: TBD  
 Title: **Marine Aviation Logistics Support in SWA**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: FMFPAC  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Canceled  
 DTIC No.: N/A  
 Summary:

Examines the effectiveness of Marine Aviation Logistics during Operation Desert Shield/Storm.



SCN: 29-920410  
CNA No.: CRM 93-152  
Title: **Planning Factors Approach (Phase II)**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (C&P)/HQMC (I&L/R&P)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed August 1993  
DTIC No.: AD-B171082  
Summary:

Develop a methodology for determining planning factors for all classes of supplies and reconcile the competing needs of both acquisition issues for the POM and sustainability issues for MAGTF planners.

SCN: 29-920411  
CNA No.: CRM 91-206  
Title: **Marine Corps Transportation Support in Operation Desert Shield/Storm**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1992  
DTIC No.: N/A  
Summary:

Examination of the role motor transport, materiel-handling equipment, and intra-theater air transport in supporting I MEF during Operation Desert Shield/Storm.

SCN: 29-920412  
CNA No.: CRM 91-210  
Title: **Marine Corps Maintenance Support in Operation Desert Shield/Storm**  
Category: Installations and Logistics  
Classification: Confidential  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1992  
DTIC No.: N/A  
Summary:

Examination of maintenance support to the Marine Corps forces during Operation Desert Shield/Storm.

SCN: 29-920413  
CNA No.: CRM 91-209  
Title: **Marine Corps Supply Support in Operation Desert Shield/Storm**  
Category: Installations and Logistics  
Classification: Secret  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed February 1992  
DTIC No.: N/A  
Summary:

Examination of supply support in the 1st Marine Expeditionary Force during Operation Desert Shield/Storm.

SCN: 29-920414  
CNA No.: CRM 91-201  
Title: **Marine Corps Engineer Support in Operation Desert Shield/Storm**  
Category: Installations and Logistics  
Classification: Confidential  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed February 1992  
DTIC No.: N/A  
Summary:

Examination of engineering support to Marine Corps forces during Operation Desert Shield/Storm.

SCN: 29-920415  
CNA No.: CRM 92-58  
Title: **Marine Corps Desert Storm Reconstruction Report - Volume III: Logistic Support of Ground Combat Forces**  
Category: Installations and Logistics  
Classification: Secret  
Sponsor: MCCDC (DOC)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed July 1992  
DTIC No.: N/A  
Summary:

Description of Marine Combat Service Support during Operation Desert Storm. Addresses transportation, supply, engineering, maintenance, and health services.

SCN: 29-920416  
 CNA No.: CRM 92-115  
 Title: **MPS Maintenance Site Study**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: HQMC (I&L)  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed August 1992  
 DTIC No.: AD-B167142  
 Summary:

Examination of the options for the maintenance of equipment on MPS. The study showed that alternatives to Blount Island exist and ranks those options by cost.

SCN: 29-920417  
 CNA No.: CRM 92-77  
 Title: **The Effect of Operation Desert Shield/Storm Operations on Planned Ship Depot Maintenance**  
 Category: Installations and Logistics  
 Classification: Secret  
 Sponsor: MCCDC (DOC)/OP-08  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed June 1992  
 DTIC No.: N/A  
 Summary:

Review of the changes to the planned maintenance schedules of MPS ships and, for ships that experienced significant delays in maintenance, it evaluates the effect of these delays on material readiness.

SCN: 29-920501  
 Title: **Life Cycle Cost Analysis for the Advanced Amphibious Assault (AAA) Program**  
 Category: Science, Technology, Systems, and Equipment  
 Classification: Unclassified  
 Sponsor: DRPM (AAA)  
 Performing Activity: ASEC  
 Time Frame: Long Range  
 Status: Canceled  
 DTIC No.: N/A  
 Summary:

Develop life cycle cost analyses for the AAA program and its alternatives to meet Defense Acquisition Board milestone requirements.

SCN: 29-920502  
CNA No.: CRM 93-112  
Title: **Simulation Offset to Live-Fire Training  
(Phase I)**  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed September 1993  
DTIC No.: AD-B167833  
Summary:

The primary focus of the study is on training simulators and devices and how they may supplement, complement, or substitute for live-fire training using Class V(W) ammunition.

SCN: 29-920504  
Title: **LAV-105 COEA**  
Category: Science, Technology, Systems, and  
Equipment  
Classification: N/A  
Sponsor: LAVPM  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Canceled - Program Terminated  
DTIC No.: N/A  
Summary:

Provide a requirement based COEA for the LAV-105 program.

SCN: 29-920505  
Title: **Advanced Amphibious Assault Peacetime  
Mission Profile**  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: Completed December 1993  
DTIC No.: Not held by DTIC  
Summary:

Compile data that constitutes a Peacetime Mission Profile to supplement the already existing Wartime Mission Profile.

SCN: 29-920506  
Title: 155mm Moritzer Feasibility Analysis  
Category: Science, Technology, Systems, and Equipment  
Classification: Secret  
Sponsor: MARCORSYSCOM  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Analyze and evaluate the feasibility of using a base-plated howitzer, or "moritzer", in meeting the requirements for a LTWT 155 System.

SCN: 29-920507  
CNA No.: TBD  
Title: USMC Requirements for Air Tactical Refueling Beyond the Year 2005 (KC-130 Replacement Aircraft Requirements)  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: HQMC (APW)  
Performing Activity: CNA  
Time Frame: Long Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Determine the number of KCX aircraft required beyond the year 2005 to include operational, training, pipeline, and attrition.

SCN: 29-920508  
CNA No.: CRM 93-97  
Title: Advanced Amphibious Assault Program COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MARCORSYSCOM  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed June 1993  
DTIC No.: AD-B184941  
Summary:

Updated COEA of SCN DM 901003 which was completed in July 1990. Presents the results of the Advanced Amphibious Assault Ship-to-Shore performance analysis for a MEF.

SCN: 29-920509  
CNA No.: CRM 91-270  
Title: **Advanced Rocket System COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Secret  
Sponsor: HQMC (AVN) and COMNAVAIRSYSCOM  
Performing Activity: CNA  
Time Frame: Long Range  
Status: Completed June 1992  
DTIC No.: N/A  
Summary:

COEA of the Advanced Rocket System (ARS) in support of a Milestone II decision on the program.

SCN: 29-920510  
CNA No.: CRM 92-64  
Title: **Susceptibility Reduction Through Terrain Masking and Air Speed**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: N/A  
Status: Completed July 1992  
DTIC No.: AD-B166481  
Summary:

This research memorandum describes how the altitude and airspeed of vertical takeoff landing aircraft affect the ability of a threat system to engage aircraft.

SCN: 29-920511  
CNA No.: CRM 92-100  
Title: **Determining the Optimal Repair Requirements for New Marine Corps Avionics Test Equipment**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: HQMC (AVN)  
Performing Activity: CNA  
Time Frame: Mid Range  
Status: Completed August 1992  
DTIC No.: AD-B167090  
Summary:

Discussion of which avionics should be tested and repaired locally on CASS for the F/A-18, AV-8B, and AH-1W.

SCN: 29-920512  
 CNA No.: CRM 92-155  
 Title: **MACE 2010: Aircraft and Systems Required for Offensive Air Support**  
 Category: Science, Technology, Systems, and Equipment  
 Classification: Secret  
 Sponsor: HQMC (AVN)  
 Performing Activity: CNA  
 Time Frame: Long Range  
 Status: Completed September 1992  
 DTIC No.: N/A  
 Summary:

Presentation of the results of CNA's analysis of fixed-wing aircraft and systems required for the Offensive Air Support (OAS) function of Marine aviation.

SCN: 29-920601  
 Title: **Marine Corps Lessons Learned System**  
 Category: Management  
 Classification: Unclassified  
 Sponsor: MCCDC (INT)  
 Performing Activity: PSE  
 Time Frame: Mid-Range  
 Status: Completed April 1992  
 DTIC No.: AD-B170181  
 Summary:

To provide feasible alternatives on how the Marine Corps Lessons Learned System can most effectively support the Marine Corps, integrate into the Concept Based Requirements System, conduct the Remedial Action Program, and distribute both classified and unclassified operational information.

SCN: 29-920602  
 Title: **Mobile Electric Power (MEP) Acquisition Management Analysis**  
 Category: Management  
 Classification: Unclassified  
 Sponsor: HQMC (I&L)  
 Performing Activity: NPGS  
 Time Frame: Mid-Range  
 Status: Completed September 1992  
 DTIC No.: AD-B171043  
 Summary:

Determine and verify adequacy of the MEP requirement and subsequent acquisition objectives for current and future MEP assets.

SCN: 29-920603  
 Title: **Production-Weighted Qualified Military  
 Availables: A Review of the Methodology  
 and Further Analysis**  
 Category: Management  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed December 1991  
 DTIC No.: Not held by DTIC  
 Summary:

Evaluation of the method for allocating recruiters and recruiting quotas that is based on the production-weighted military availables.

SCN: 29-920604  
 CNA No.: CIM 188  
 Title: **LOTUS 1-2-3 Spreadsheet for Allocating  
 Marine Corps Recruiter Support Funding**  
 Category: Management  
 Classification: Unclassified  
 Sponsor: HQMC (AVN)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed December 1991  
 DTIC No.: Not held by DTIC  
 Summary:

Explanation of how to use the CNA Support Funding model to create a LOTUS 1-2-3 spreadsheet of funding allocations.

SCN: 29-920605  
 CNA No.: CRM 91-260  
 Title: **Summary of Marine Corps Operations  
 Analysis Group (MCOAG) Field Work -  
 FY 1991**  
 Category: Management  
 Classification: Unclassified  
 Sponsor: CNA  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed January 1992  
 DTIC No.: AD-B165898  
 Summary:

Summary of the work completed by the MCOAG field representative in FY 1991.



SCN: 29-920701  
Title: **Inter-Agency Terrorism Response Awareness Program**  
Category: Intelligence  
Classification: Secret  
Sponsor: ASD (SOLIC)  
Performing Activity: KAPOC  
Time Frame: Short Range  
Status: Completed August 1992  
DTIC No.: Not held by DTIC - Special Access Information

**Summary:**

Develop prototype training tools that can be used to support an inter-agency terrorism response awareness and readiness training program.

SCN: 29-920702  
Title: **Joint Intelligence Center Exercise (JICEX)**  
Classification: Secret  
Category: Intelligence  
Sponsor: NMITC  
Performing Activity: MSA  
Time Frame: Mid-Range  
Status: Completed October 1993  
DTIC No.: N/A  
**Summary:**

Revise the presently utilized tactical training situation at NMITC to reflect current doctrine in the area of Amphibious Warfare and Command and Control. The INTACTRASIT is woefully short of providing students with any meaningful background on the amphibious movement and assault phases.

SCN: 29-920703  
Title: **System Threat Assessment for the Tactical Combat Operations (TCO) (1992-2010)**  
Category: Intelligence  
Classification: Secret/NOFORN  
Sponsor: HQMC (INTEL)  
Performing Activity: N/A  
Time Frame: Long Range  
Status: Canceled  
DTIC No.: N/A  
**Summary:**

Study expanded to address MTACCS - See SCN 29-920704.

SCN: 29-920704  
Title: **System Threat Assessment (STA) for the  
Marine Tactical Command and Control System  
(MTACCS) (1992-2010)**  
Category: Intelligence  
Classification: Secret NOFORN  
Sponsor: HQMC (INTEL)  
Performing Activity: PRC  
Time Frame: Long Range  
Status: Completed December 1992  
DTIC No.: N/A  
Summary:

Assess the current and projected Russian-led confederation and regional threats to the MTACCS, especially to the communications connectivity of each MAGTF type in the full spectrum of conflict through the year 2010.

SCN: 29-920707  
Title: **Desert Shield/Storm Core Analysis**  
Category: Intelligence  
Classification: Secret  
Sponsor: MCCDC (DOC)  
Performing Activity: PSE  
Time Frame: N/A  
Status: Completed December 1992  
DTIC No.: N/A  
Summary:

The objective of this effort is to collect, organize, and analyze information collected from operations in SouthWest Asia which is part of the Battle Reconstruction Management Information System.

### **3.4. Fiscal Year 1993**

SCN: 29-930101  
Title: **Personnel Requirements to Support C4I Systems/Equipment in FY97/98**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (C4I)  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Determine if the optimum personnel structure is in place to support the C4I systems and individual equipment approved in the FY92-FY96 Projected Operating Material (POM).

SCN: 29-930103  
CNA No.: CAB 93-20  
Title: **Job Performance Surrogates in Combat**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed September 1993  
DTIC No.: Pending  
Summary:

Investigation into the feasibility of constructing a data base which will relate CAB scores to performance in combat.

SCN: 29-930104  
CNA No.: TBD  
Title: **OASD Cost Performance Trade-Off**  
Category: Manpower and Personnel  
Classification: Unclassified  
Sponsor: HQMC (M&RA)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

To identify the feasibility of ascribing costs (recruiting, training, and maintenance) to accession characteristics, and to completely review OASD's Cost-Performance Trade-Off Model as it pertains to the Marine Corps.

SCN: 29-930105  
 CNA No.: CRM 93-203  
 Title: **First Term Marriages and Dependency**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed January 1994  
 DTIC No.: Pending  
 Summary:

Determine if married Marines are better Marines in terms of overall performance and thus worth the additional cost to the Marine Corps.

SCN: 29-930106  
 CNA No.: TBD  
 Title: **MOS Assignment, Allocation, and Incentive Analysis**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: In progress  
 DTIC No.: To be assigned upon study completion  
 Summary:

An evaluation of the effectiveness of the current military occupational specialty scheme at meeting the accession, training, assignment, and promotion requirements of the Marine Corps.

SCN: 29-930107  
 CNA No.: CRM 92-189  
 Title: **Career Reenlistments in the Marine Corps: FY 1980 - FY 1991**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed January 1993  
 DTIC No.: AD-B174149  
 Summary:

Analysis of the 1980-1991 reenlistment decisions of enlisted Marines with 6 through 14 years of service.

SCN: 29-930108  
 CNA No.: CRM 92-212  
 Title: **Validity of Electronics Composite for Predicting Success in Electronics Training School**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed March 1993  
 DTIC No.: AD-B175771  
 Summary:

The EL composite of the ASVAB is investigated as to its validity in predicting success of students.

SCN: 29-930109  
 CNA No.: CRM 92-175  
 Title: **Modifications to the Method for Determining First-Term Reenlistments**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed March 1993  
 DTIC No.: AD-B175646  
 Summary:

Discussion of the FY 93 changes in the method used to determine first-term reenlistment targets by primary MOS.

SCN: 29-930110  
 CNA No.: CRM 92-192  
 Title: **Relationship Between ASVAB and Mechanical Maintenance Job Performance**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed March 1993  
 DTIC No.: AD-B175782  
 Summary:

Documentation of the ability scores from ASVAB test to predict several measures of mechanical maintenance performance.

SCN: 29-930111  
CNA No.: CRM 92-200  
Title: **First-Term Attrition in the Marine Corps**  
Category: **Manpower and Personnel**  
Classification: **Unclassified**  
Sponsor: **HQMC (M&RA)**  
Performing Activity: **CNA**  
Time Frame: **Short Range**  
Status: **Completed March 1993**  
DTIC No.: **AD-B175660**  
Summary:

Overview of first-term attrition in the Marine Corps.

SCN: 29-930112  
CNA No.: CRM 92-213  
Title: **Enlisted Marine Corps Endstrength: A Disaggregated Look**  
Category: **Manpower and Personnel**  
Classification: **Unclassified**  
Sponsor: **HQMC (M&RA)**  
Performing Activity: **CNA**  
Time Frame: **Short Range**  
Status: **Completed June 1993**  
DTIC No.: **AD-B177331**  
Summary:

Transition models of 36 Marine Corps occupational fields are evaluated.

SCN: 29-930113  
CNA No.: CRM 93-131  
Title: **Targeting Officer Recruiting Goals and Resources**  
Category: **Manpower and Personnel**  
Classification: **Unclassified**  
Sponsor: **HQMC (M&RA)**  
Performing Activity: **CNA**  
Time Frame: **Short Range**  
Status: **Completed July 1993**  
DTIC No.: **Pending**  
Summary:

Addresses whether the Marine Corps can improve the way it allocates recruiting goals and resources to take advantage of regional variations in race/ethnicity.

SCN: 29-930114  
 CNA No.: CRM 93-81  
 Title: **Officer Accession Characteristics and Success at Officer Candidate School, Commissioning, and The Basic School**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed August 1993  
 DTIC No.: Not held by DTIC  
 Summary:

An analysis of the completion of OCS, survival to commissioning, and class rank at TBS.

SCN: 29-930115  
 CNA No.: CRM 92-225  
 Title: **Lateral Occupational Specialty Moves**  
 Category: Manpower and Personnel  
 Classification: Unclassified  
 Sponsor: HQMC (M&RA)  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed September 1993  
 DTIC No.: Pending  
 Summary:

Historical analysis of the success of lateral occupational specialty moves.

SCN: 29-930201  
 Title: **Mission Area Analysis MA 11 - Command and Control**  
 Category: Concepts and Plans  
 Classification: Unclassified  
 Sponsor: MCCDC (C&P)  
 Performing Activity: Internal Marine Corps Working Group/PRC  
 Time Frame: Mid-Range  
 Status: Completed October 1993  
 DTIC No.: Pending  
 Summary:

Addresses the capabilities required to command and control units performing MAGTF missions to include over-horizon command and control of tactical units.

SCN: 29-930204  
Title: **Mission Area Analysis MA 46 - Services**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/PRC  
Time Frame: Mid-Range  
Status: Completed December 1993  
DTIC No.: Pending  
Summary:

Addresses those capabilities required to provide combat service support to employed expeditionary forces performing land warfare missions.

SCN: 29-930206  
Title: **Mission Area Analysis MA 12 - Intelligence (Update)**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/PRC  
Time Frame: Mid-Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

Addresses the capabilities to collect, process, and disseminate information and intelligence in support of air, land, and amphibious operations.

SCN: 29-930208  
Title: **Mission Area Analysis MA 13 - Security**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/PRC  
Time Frame: Mid-Range  
Status: Completed December 1993  
DTIC No.: Pending  
Summary:

Addresses those capabilities for maintaining a defensive posture against actions that include conventional, unconventional, terrorist, chemical, nuclear, and biological attacks.



SCN: 29-930209  
Title: **Mission Area Analysis MA 15 - Special Operations**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: Internal Marine Corps Working Group/PRC  
Time Frame: Mid-Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

Addresses those capabilities required to conduct operations by specially trained, equipped, and organized forces when use of conventional forces is either inappropriate or infeasible.

SCN: 29-930210  
Title: **Remotely Determining Suitability of Amphibious Landing Beaches**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: HQMC (Intel)  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Identify current and projected non-DoD coastal data bases which could be used by MCIC to provide updated and current coastal information to deploying or forces preparing to conduct amphibious operations.

SCN: 29-930211  
Title: **Capabilities Review System (CRS)**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (C&P)  
Performing Activity: N/A  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Determine CRS functional requirements, determine and technically define the associated Combat Development Process (CDP) and CRS process.

SCN: 29-930212  
 CNA No.: CRM 93-132  
 Title: **Rapid Deployment of Expeditionary Airfield (EAF) Equipment**  
 Category: Concepts and Plans  
 Classification: Unclassified  
 Sponsor: FMFPAC  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed January 1994  
 DTIC No.: Pending  
 Summary:

Determine the availability of more deployable EAF equipment and/or identify better deployment methods in order to enhance deployment of the MAGTF Aviation Combat Element and increase flexibility.

SCN: 29-930213  
 Title: **Mission Area Analysis MA 24 - Fire Support**  
 Category: Concepts and Plans  
 Classification: Unclassified  
 Sponsor: MCCDC (C&P)  
 Performing Activity: Internal Marine Corps Working Group/PRC  
 Time Frame: Mid-Range  
 Status: Completed October 1993  
 DTIC No.: AD-B175771  
 Summary:

Addresses those conventional, nuclear, and chemical capabilities and support related to the use of tactical combat power against threat ground maneuver forces .

SCN: 29-930214  
 CNA No.: CRM 92-18  
 Title: **MACE 2010 Electronic Warfare Effectiveness**  
 Category: Concepts and Plans  
 Classification: Secret  
 Sponsor: HQMC (AVN)  
 Performing Activity: CNA  
 Time Frame: Long Range  
 Status: Completed April 1992  
 DTIC No.: Not held by DTIC  
 Summary:

Study concentrates on the EW aspects of the MACE 2010 effort. Description of the effectiveness analysis of various force mixes.

SCN: 29-930215  
 CNA No.: CIM 215  
 Title: **Marine Aviation Combat Element (MACE)  
 2010: Assault Support Transport Concept  
 of Operations**  
 Category: Concepts and Plans  
 Classification: Confidential  
 Sponsor: HQMC (AVN)  
 Performing Activity: CNA  
 Time Frame: Long Range  
 Status: Completed May 1992  
 DTIC No.: Not held by DTIC  
 Summary:

Discussion of the Assault Support Transport (AST) function of Marine Aviation, including the role of AST in 2010.

SCN: 29-930216  
 Title: **Mission Area Analysis MA 32 Anti-Air  
 Warfare**  
 Category: Concepts and Plans  
 Classification: Unclassified  
 Sponsor: MCCDC (C&P)  
 Performing Activity: Internal Marine Corps Working Group/PRC  
 Time Frame: Mid-Range  
 Status: Completed January 1994  
 DTIC No.: Pending  
 Summary:

Investigation of the Marine Corps' mission requirements for anti-air warfare for the period FY93-FY03. AAW tasks, their frequency of occurrence, and the conditions under which they must be performed are addressed.

SCN: 29-930217  
 CNA No.: TBD  
 Title: **Operational Maneuver from the Sea:  
 Project CULEBRA**  
 Category: Concepts and Plans  
 Classification: Secret  
 Sponsor: MCCDC (S&A)  
 Performing Activity: CNA  
 Time Frame: Long Range  
 Status: In progress  
 DTIC No.: To be assigned upon study completion  
 Summary:

Study objective is to refine the concept of Operational Maneuver From the Sea (OMFTS) and explore what its implementation means for combat development.

SCN: 29-930218  
 Title: **Command and Control Concept Development Game**  
 Category: Concepts and Plans  
 Classification: Unclassified  
 Sponsor: MCCDC (S&A)  
 Performing Activity: MCCDC S&A Division (Analysis Branch)  
 Time Frame: Mid-Range  
 Status: Completed June 1993  
 DTIC No.: Pending  
 Summary:

Results of a war game held 5-9 April 1993. The C2 game was part of an overall effort to develop a C2 functional concept for the Marine Corps and was a natural progression from the OMFTS War Game held at MCCDC in late 1992.

SCN: 29-930219  
 CNA No.: TBD  
 Title: **The Marine Corps and Humanitarian Assistance Operations**  
 Category: Concepts and Plans  
 Classification: Unclassified  
 Sponsor: MCCDC (C&SW)  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: In progress  
 DTIC No.: To be assigned upon study completion  
 Summary:

Examination of how the Marine Corps can best conduct humanitarian assistance operations. The study is broad in scope commencing with a historical review which concentrates on lessons learned from 1990 to the present.

SCN: 29-930220  
 Title: **A Concept for Command and Control in the MAGTF**  
 Category: Concepts and Plans  
 Classification: Unclassified  
 Sponsor: MCCDC (C&P)  
 Performing Activity: PRC  
 Time Frame: Mid-Range  
 Status: In progress  
 DTIC No.: To be assigned upon study completion  
 Summary:

Study focuses on the development of a command and control concept that will delineate the fundamental principles of command and control and describe how these principles will function in the realm of operational concepts.

SCN: 29-930221  
CNA No.: CRM 93-10  
Title: **Individual Training for Mission Area  
Analysis of Marine Corps Training**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed June 1993  
DTIC No.: Pending  
Summary:

Documentation of a survey of Marine Corps individual training conducted in support of the Mission Area Analysis for Training.

SCN: 29-930222  
CNA No.: CRM 93-113  
Title: **Collective Training for Mission Area  
Analysis of Marine Corps Training**  
Category: Concepts and Plans  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed July 1993  
DTIC No.: Pending  
Summary:

Documentation of a survey of Marine Corps collective training conducted in support of the Mission Area Analysis for Training.

SCN: 29-930301  
CNA No.: TBD  
Title: **OPTEMPO and Readiness (renamed Training  
Readiness)**  
Category: Operations and Force Structure  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Develop a methodology to measure the effect changes in ground OPTEMPO have on readiness. Specifically, determine how ground OPTEMPO as measured by battalion field training days (BFTD) equates to readiness.

SCN: 29-930302  
 CNA No.: CRM 91-208  
 Title: **Marine Corps Combat Service Support Task Organization in Operation Desert Shield/Storm**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: MCCDC (REQ)  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed Oct 1992  
 DTIC No.: AD-B166409  
 Summary:

Description of the task organization of the 1st Service Support Group during Operation Desert Shield/Storm. Provides a preliminary assessment of the ability of 1st FSSG to support MARCENT forces.

SCN: 29-930303  
 CNA No.: CRM 92-52  
 Title: **MACE 2010 Project Wargame Final Report**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: HQMC (AVN)  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed Oct 1993  
 DTIC No.: N/A  
 Summary:

Final report of wargame which exercised two different ACE structures - one high technology and the other reflected the minimum required capabilities.

SCN: 29-930304  
 Title: **AntiArmor Force Mix and Operational Mix**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: MARCORSYSCOM  
 Performing Activity: MCCDC S&A Division (Analysis Branch)  
 Time Frame: Mid-Range  
 Status: Completed October 1993  
 DTIC No.: Pending  
 Summary:

Goal of the study was to answer two antiarmor acquisition related questions. First, is the current HAW-MAW-LAW approach to antiarmor operations a viable tactical method? Second, given various weapons mixes, which are most effective?

SCN: 29-930305  
 CNA No.: TBD  
 Title: **Operation RESTORE HOPE Reconstruction and Analysis**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: MCCDC (INT)  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: In progress  
 DTIC No.: To be assigned upon study completion  
 Summary:

Consolidate, organize, and analyze information collected during Operation Restore Hope to aid in the planning, training, and development of SOPs for future operations.

SCN: 29-930306  
 CNA No.: CRM 93-97  
 Title: **USMC Fixed-Wing Tactical Air Strikes During Operation DESERT STORM**  
 Category: Operations and Force Structure  
 Classification: Secret  
 Sponsor: VCNO and COMSEVENTHFLT  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed October 1993  
 DTIC No.: N/A  
 Summary:

Summarizes USMC fixed-wing sorties flown during Operation DESERT STORM from 17 January to 27 February 1991.

SCN: 29-930307  
 CNA No.: CRM 93-107  
 Title: **USMC Desert Storm TACAIR Database**  
 Category: Operations and Force Structure  
 Classification: Secret  
 Sponsor: VCNO and COMSEVENTHFLT  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed October 1993  
 DTIC No.: N/A  
 Summary:

Database contains mission data and USMC TACAIR strikes conducted during Operation DESERT STORM.

SCN: 29-930308  
 CNA No.: CRM 93-120  
 Title: **Rule of Engagement (ROE) for Humanitarian Intervention**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: I MEF  
 Performing Activity: CNA  
 Time Frame: Short Range  
 Status: Completed October 1993  
 DTIC No.: Pending  
 Summary:

Examination of the ROE for USMC and USA ground forces participating in Operation RESTORE HOPE.

SCN: 29-930309  
 CNA No.: CRM 93-140  
 Title: **Military Relations with Humanitarian Relief Organizations (HROs): Operation RESTORE HOPE**  
 Category: Operations and Force Structure  
 Classification: Unclassified  
 Sponsor: I MEF  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed October 1993  
 DTIC No.: Pending  
 Summary:

An examination of military-HRO relations in threat operation. Suggests options that commanders could consider to improve relations.

SCN: 29-930310  
 CNA No.: CRM 93-95  
 Title: **Crisis Action Planning for Operation RESTORE HOPE**  
 Category: Operations and Force Structure  
 Classification: Secret  
 Sponsor: I MEF  
 Performing Activity: CNA  
 Time Frame: N/A  
 Status: Completed November 1993  
 DTIC No.: N/A  
 Summary:

Documentation of the planning process for Operation RESTORE HOPE from the perspective of I MEF.



SCN: 29-930403  
Title: **Automation of Marine Corps Exercise Building, Personnel, Supply, and Maintenance Modules for Use Within the Combat Service Support Training Simulation System (CSSTSS)**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (DOC)  
Performing Activity: CASCOM  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Automate the capability to build Marine Corps units and their inherent task organization capabilities for use in unit CPXs and LOGEX 93 and 94.

SCN: 29-930404  
CNA No.: TBD  
Title: **Shore Support for Fleet Marine Forces in the Western Pacific**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (INT)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

This study attempts to estimate the value of Japanese bases to FMF operations to the year 2000. Additionally, it assesses U.S. tenure at existing bases and the availability of possible alternatives.

SCN: 29-930405  
CNA No.: CRM 93-119  
Title: **Battle Damage Assessment and Repair (BDAR) Model**  
Category: Installations and Logistics  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed June 1993  
DTIC No.: AD-B177307  
Summary:

A description of the Battle Damage and Assessment (BDAR) model, a computer model developed at CNA to analyze how BDAR affects Marine Corps maintenance policies.

SCN: 29-930406  
 CNA No.: CRM 92-150  
 Title: **Alternative Methodologies for Marine Corps Planning Factors**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Sponsor: MCCDC (S&A)  
 Performing Activity: CNA  
 Time Frame: Mid-Range  
 Status: Completed July 1993  
 DTIC No.: Pending  
 Summary:

Description of possible alternative methodologies for determining Marine Corps logistics planning factors.

SCN: 29-930502  
 Title: **Mobile Electric Power Optimization Model**  
 Category: Science, Technology, Systems, and Equipment  
 Classification: Unclassified  
 Sponsor: MCCDC (S&A)  
 Performing Activity: NPS  
 Time Frame: Mid-Range  
 Status: Completed December 1992  
 DTIC No.: AD-B169029  
 Summary:

Develop a methodology that can be used to determine the type and quantity of mobile electric power generators necessary to meet current and future total Marine Corps electrical demand.

SCN: 29-930503  
 Title: **Object-Oriented Modeling and Analysis of a Marine Corps Communications Architecture**  
 Category: Science, Technology, Systems, and Equipment  
 Classification: Unclassified  
 Sponsor: MCCDC (S&A)  
 Performing Activity: NPS  
 Time Frame: Mid-Range  
 Status: Completed December 1992  
 DTIC No.: AD-A246995  
 Summary:

Develop a communications architecture analysis model which will give decision makers, analysts, and communications officers the ability to quantify the effectiveness of alternative tactical radio system configurations within a given MAGTF.

SCN: 29-930504  
Title: Medium Tactical Vehicle Replacement (MTVR)  
COEA  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed September 1993  
DTIC No.: Pending  
Summary:

Evaluate and compare the alternatives for replacing the existing fleet of M809 and M939 series 5 ton medium tactical trucks.

SCN: 29-930505  
Title: Tactical Combat Operations (TCO) COEA  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed October 1993  
DTIC No.: Pending  
Summary:

Analyze the requirements and alternatives relative to the TCO functions of MTACCS developed to date and provide recommendations to the proponent, program office, and the decision making authority.

SCN: 29-930506  
Title: LAV Day/Night Sight COEA  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed January 1993  
DTIC No.: AD-B171468  
Summary:

Compare and evaluate various day/night sight alternatives for LAVs and determine their operational/cost effectiveness.

SCN: 29-930507  
Title: **Technical Control and Analysis Center  
Product Improvement Program COEA**  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed February 1993  
DTIC No.: Pending  
Summary:

Compare and evaluate various Technical Control and Analysis Center improvement alternatives and determine their operational/cost effectiveness.

SCN: 29-930508  
Title: **M9 Armored Combat Earthmover (ACE) COEA**  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed December 1992  
DTIC No.: AD-B171467  
Summary:

Compare and evaluate various options for an armored combat earthmover and determine their operational/cost effectiveness.

SCN: 29-930509  
Title: **81mm Infrared Flare Mortars Cartridges  
(IMC) COEA**  
Category: Science, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed December 1992  
DTIC No.: AD-B172329  
Summary:

Compare and evaluate various options for infrared flare mortar cartridge alternatives and determine their operational/cost effectiveness.

SCN: 29-930510  
Title: **Ground Based Integrated Air Defense Command, Control and Early Warning System COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed July 1993  
DTIC No.: Pending  
Summary:

Compare and evaluate various options for ground based integrated air defense command, control and early warning systems and determine their operational/cost effectiveness.

SCN: 29-930511  
Title: **Automated Nuclear, Biological, and Chemical Hazard Information and Warning (NBC HAZWARN) System COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed July 1993  
DTIC No.: AD-B175808  
Summary:

Compare and evaluate various options for NBC HAZWARN systems and determine their operational/cost effectiveness.

SCN: 29-930512  
Title: **Amphibious Vehicle Mine Neutralization System (Mineplow/Rake) COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed May 1993  
DTIC No.: AD-B175714  
Summary:

Compare and evaluate various options for an amphibious vehicle mine neutralization system and determine their operational/cost effectiveness.

SCN: 29-930513  
Title: **Muzzle Velocity Measuring Set COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed February 1993  
DTIC No.: AD-B171466  
Summary:

Compare and evaluate various options for a muzzle velocity test set.

SCN: 29-930514  
Title: **MAGTF Secondary Imagery Dissemination System COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed June 1993  
DTIC No.: AD-B172448  
Summary:

Compare and evaluate the military utility of alternatives which satisfy the requirement for a MAGTF Secondary Imagery Discrimination System (SIDS)

SCN: 29-930515  
Title: **Combat Shotgun COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Compare and evaluate the various candidates for combat shotgun in support of a Milestone I decision.

SCN: 29-930516  
Title: Digital Circuit Card Tester COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Analysis of the various options to improve or replace the AN/TTC-42 Unit Level Circuit Switch.

SCN: 29-930517  
Title: Hybrid Mobile Direct Air Support Central (HMDASC) COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Analysis of HMDASC alternatives in support of a Milestone I decision.

SCN: 29-930518  
Title: Light Strike Vehicle (LSV) COEA  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed May 1993  
DTIC No.: Pending  
Summary:

Analysis of LSV alternatives in support of a Milestone I decision.

SCN: 29-930519  
Title: **Connectivity to the U.S. Army GUARDRAIL System COEA**  
Category: Science, Technology, Systems and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed December 1993  
DTIC No.: Pending  
Summary:

Analysis of options available for the Marine Corps to be able to interface with the Army's GUARDRAIL System.

SCN: 29-930520  
Title: **Magnetic Countermine System COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Canceled  
DTIC No.: N/A  
Summary:

Evaluation of various magnetic countermine system alternatives in support of a Milestone I decision.

SCN: 29-930521  
Title: **Improved Rigid Raiding Craft (IRRC) COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed July 1993  
DTIC No.: AD-B175420  
Summary:

Analysis of the various IRRC options available in support of a Milestone I decision.



SCN: 29-930522  
Title: **Improved Medium Machine Gun (IMMC) COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch/PSE  
Time Frame: Mid-Range  
Status: Completed October 1993  
DTIC No.: Pending  
Summary:

Analysis of the various IMMG options available in support of a Milestone I decision.

SCN: 29-930523  
Title: **Third Echelon Test Set**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed January 1994  
DTIC No.: AD-B179618L  
Summary:

Analysis of the various test set options available for a Milestone I decision.

SCN: 29-930524  
Title: **Close Quarter Battle Weapon**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: Completed September 1993  
DTIC No.: AD-B177599L  
Summary:

Analysis of the CQBW options in support of a Milestone I decision.

SCN: 29-930525  
Title: **SIGINT Technologies**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: PRC  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

To identify SIGINT equipment and technologies which could be used to improve the Radio Battalions' ability to perform its mission.

SCN: 29-930526  
Title: **Analysis of MAGTF Mission Area Equipment Assessment Packages**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (INT)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Short Range  
Status: Completed January 1994  
DTIC No.: Pending  
Summary:

Assess each package and define the criteria that is used to determine the size and capability block for each program.

SCN: 29-930527  
Title: **Comparative Cost Analysis for the Short Range Assault Weapon (SRAW) COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Analysis of the various SRAW options available for a Milestone I/II acquisition decision.

SCN: 29-930528  
Title: **Close Range UAV COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Provides a review and documentation of close range UAV requirements, and a definition and evaluation of measures of supportability for close range UAV alternatives.

SCN: 29-930529  
Title: **Near-Term Tactical Ballistic Missile Defense System COEA**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: MCCDC S&A Division (Analysis Branch)/PSE  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

Determine the relative advantages and disadvantages of each alternative TBMD based on cost effectiveness and comparison analysis.

SCN: 29-930530  
CNA No.: TBD  
Title: **Maneuver Warfare Analytical and Research System Model**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (S&A)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon study completion  
Summary:

The study is designed to produce an analytical tool that analysts can personally use to support quick-reaction analyses and studies of concepts, doctrine, force structure, equipment, and sustainability.

SCN: 29-930531  
CNA No.: CRM 92-162  
Title: **A Cost-and-Effectiveness Methodology for Evaluating Use of Simulators in Marine Corps Live-Fire Training**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (REQ)  
Performing Activity: CNA  
Time Frame: Short Range  
Status: Completed January 1993  
DTIC No.: AD-B173742  
Summary:

Description of a methodology developed for use in Marine Corps training programs for use in live-fire training.

SCN: 29-930532  
CNA No.: CIM 238  
Title: **Simulation Offset to Live-Fire Training (Phase II)**  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Sponsor: MCCDC (T&E)  
Performing Activity: CNA  
Time Frame: Mid-Range  
Status: Completed January 1993  
DTIC No.: AD-B173795  
Summary:

Identification of cost-effective ways of using simulators and training devices to complement, augment, or offset live-fire training.

SCN: 29-930702  
Title: **Joint Intelligence Center Exercise (JICEX)/Field Exercise (FEX) Intelligence Training Scenario Situation (INTACTRASIT)**  
Category: Intelligence  
Classification: Unclassified  
Performing Activity: MSA  
Time Frame: Mid-Range  
Status: Completed April 1993  
DTIC No.: N/A  
Summary:

Develop a JICEX/FEX Intelligence Tactical Training Situation for the Middle East based upon the current world situation. Additionally, develop a self-paced instructional package based upon the new scenario.

### **3.5. Fiscal Year 1994**

**SCN:** DM-940201  
**Title:** Mission Area Analysis MA 36 - Electronic Warfare  
**Category:** Concepts and Plans  
**Classification:** Unclassified  
**Performing Activity:** PRC, Inc.  
**Time Frame:** Mid-Range  
**Status:** In progress  
**DTIC No.:** To be assigned upon study completion.  
**Summary:**

To address capabilities required to determine, exploit, reduce or prevent hostile use of the electromagnetic spectrum; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

**SCN:** DM-940202  
**Title:** Mission Area Analysis MA 33 - Assault Support  
**Category:** Concepts and Plans  
**Classification:** Unclassified  
**Performing Activity:** TBA  
**Time Frame:** Mid-Range  
**Status:** To be initiated FY94  
**DTIC No.:** To be assigned upon completion  
**Summary:**

To address capabilities related to those actions required for the airlift of personnel, supplies, and equipment into or within the battle area by helicopters or fixed-wing aircraft; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

**SCN:** DM-940203  
**Title:** Mission Area Analysis MA 22 - Ground Tactical Mobility/Counter mobility  
**Category:** Concepts and Plans  
**Classification:** Unclassified  
**Performing Activity:** TBD  
**Time Frame:** Mid-Range  
**Status:** To be initiated in FY94  
**DTIC No.:** To be assigned upon completion  
**Summary:**

To address the capabilities required to project and support deployed tactical forces including those efforts directly related to combat engineer efforts providing maneuverability to combat forces; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940204  
Title: Mission Area Analysis MA 34 - Offensive  
Air Support (Update)  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To address capabilities of air operations that actually deliver firepower against enemy ground forces for the destruction or neutralization of installations, equipment, and personnel; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940205  
Title: Mission Area Analysis MA 35 - Control of  
Aircraft, Missiles, and UAVs  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: PRC, Inc.  
Time Frame: Mid-Range  
Status: In progress  
DTIC No.: To be assigned upon completion  
Summary:

To address capabilities required to command and control tactical units performing aerial reconnaissance and offensive air support, antiair warfare, assault support, and electronic warfare missions; identify deficiencies; and identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940206  
Title: Mission Area Analysis MA 42 - Maintenance  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To determine capabilities and identify deficiencies and opportunities of the MAGTF to retain all air and ground material in a serviceable condition or to restore it to serviceability; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940207  
Title: Mission Area Analysis MA 44 -  
Expeditionary Engineering  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To address those capabilities related to military engineering support and service support for the landing force as a whole; identify deficiencies and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940208  
Title: Mission Area Analysis MA 41 - Supply  
Category: Concepts and Plans  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To address those capabilities which provide air and ground amphibious forces with supply and supply maintenance support; capabilities required to retain material in a serviceable condition or to restore it to serviceability; capabilities required to provide combat service support to employed expeditionary forces performing land warfare missions; identify deficiencies; and to identify opportunities that will enhance capabilities and/or correct deficiencies.

SCN: DM-940301  
Title: Evaluation of Marine Corps and Joint Force  
Deployment  
Category: Operations and Force Structure  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To determine the similarities/dissimilarities within the USMC of force deployment operations, procedures, and policies consistent with those required by the joint community.

SCN: DM-940302  
Title: Long Range Technology Assessment  
Category: Operations and Force Structure  
Classification: Unclassified  
Performing Activity: CNA  
Time Frame: Long-Range  
Status: In Progress  
DTIC No.: To be assigned upon completion  
Summary:

Identify technologies projected to be available during the period 1996-2016 and assessment their impact on Marine Corps mid-range combat force structure and combat development objectives.

SCN: DM-940303  
Title: Tactical Air Integration  
Category: Operations and Force Structure  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To examine and refine issues related to tactical air integration, from both the Marine and Navy perspective.

SCN: DM-940401  
Title: Planning Factors Approach (Phase III)  
Category: Installations and Logistics  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To develop an implementation plan of the Planning Factor calculation method selected by the Marine Corps and to develop any models necessary for calculating the individual planning factors.



SCN: DM-940402  
Title: **Rapid Deployment of Expeditionary Airfield (EAF) Equipment**  
Category: Installations and Logistics  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

To identify more rapidly deployable EAF equipment and/or delivery methods (floating barges, geoprepositioned sites, etc.).

SCN: DM-940403  
Title: **Battle Damage Assessment and Repair (BDAR)**  
Category: Installations and Logistics  
Classification: Unclassified  
Performing Activity: LMI  
Time Frame: Mid-Range  
Status: In Progress  
DTIC No.: To be assigned upon completion  
Summary:

Determine which components/elements of other Service BDAR programs can be successfully adopted by the Marine Corps. Develop the "blue print" for a Marine Corps BDAR program that addresses policy/doctrine, the acquisition process, training, operations and sustainment planning, modeling and simulation, interservice cooperation, and criteria including equipment in the BDAR program. Formulate a proposed plan for initiating a Marine Corps BDAR program for ground equipment.

SCN: DM-940404  
Title: **Dry Cell Battery Support to the Fleet Marine Force**  
Category: Installations and Logistics  
Classification: Unclassified  
Performing Activity: TBD  
Time Frame: Mid-Range  
Status: To be initiated in FY94  
DTIC No.: To be assigned upon completion  
Summary:

Determine the individual end items in the Marine Corps inventory that utilize dry cell batteries. Determine the specific dry cell batteries used by each end item, including primary and alternate battery types. Determine the daily consumption rate for each battery type when used in support of an individual end item. Determine the effect of the operating climate (temperate, tropical, or arctic) on the battery consumption rates for each end item. Develop a methodology for identifying Marine Corps battery-supported equipment and their respective consumption rates.

SCN: DM-940405  
 Title: **Application of LOGMARS Technology**  
 Category: Installations and Logistics  
 Classification: Unclassified  
 Performing Activity: TBD  
 Time Frame: Long-Range  
 Status: To be initiated in FY94  
 DTIC No.: To be assigned upon completion  
 Summary:

The study should include methods utilized to produce and manage on-site packing and inventory lists that can then be read in the area of operations by the receiving command to identify the contents of each container.

SCN: DM-940501  
 Title: **SIGINT Umbrella Study**  
 Category: Science, Technology, Systems, & Equipment  
 Classification: Unclassified  
 Performing Activity: PRC, Inc.  
 Time Frame: Mid-Range  
 Status: In Progress  
 DTIC No.: To be assigned upon completion  
 Summary:

To determine if changes in communications and non-communications mission factors will affect the MAGTF's ability to conduct tactical SIGINT operations and, if applicable, develop a plan and guidance to ensure MAGTF's retain effective organic and external support capabilities.

SCN: DM-940502  
 Title: **Theater Ballistic Missile (TBM) Command, Control, and Communications (C3) Architecture Analysis within the Marine Air Command and Control System (MACCS)**  
 Category: Sciences, Technology, Systems & Equipment  
 Classification: Unclassified  
 Performing Activity: TBD  
 Time Frame: Mid-Range  
 Status: To be initiated in FY94  
 DTIC No.: To be assigned upon completion  
 Summary:

To determine the C3 architecture needed to implement a TBM capability within the MACCS for the near, mid, and long term, while adhering to established doctrine, concepts, and manpower. To determine which agencies and platforms within the MACCS need to have Joint Tactical Information Distribution System (JTIDS) terminals in order for the MAGTF to provide an effective TBM capability.

SCN: DM-940503  
Title: C<sup>4</sup> Architecture Study  
Category: Sciences, Technology, Systems & Equipment  
Classification: Unclassified  
Performing Activity: PRC, Inc.  
Time Frame: Near, Mid, and Long-Range  
Status: In Progress  
DTIC No.: To be assigned upon completion  
Summary:

To determine the C<sup>4</sup>I information and information exchange requirements (GENSER and SCI), both internal and external, of the Marine Corps MAGTF and supporting establishment. To define a specific command and control system (C2S) architecture for the MAGTF and supporting establishment for the near-, mid-, and long-term.

SCN: DM-940504  
Title: Joint Tactical Information Distribution System (JTIDS) and Tactical Digital Information Link-J (TADIL-J) 1995-2010  
(Short Title: Study Directive JTIDS/TADIL-J 1995-2010)

Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Performing Activity: PRC, Inc.  
Time Frame: Long-Range  
Status: In Progress  
DTIC No.: To be assigned upon completion  
Summary:

Revalidate and identify any deficiencies in the current plans to field the JTIDS/TADIL-J system to support high speed digital communications for the MAGTF in joint operations.

SCN: DM-940505  
Title: Meteorological and Oceanographic (METOC) Support  
Category: Science, Technology, Systems, and Equipment  
Classification: Unclassified  
Performing Activity: PRC, Inc.  
Time Frame: Long-Range  
Status: In Progress  
DTIC No.: To be assigned upon completion  
Summary:

To develop an architecture and plan for providing METOC support to the MAGTF.

SCN: DM-940506  
Title: Simulation Offset to Live-Fire Training  
(Phase III)  
Category: Sciences, Technology, Systems, and  
Equipment  
Classification: Unclassified  
Performing Activity: CNA  
Time Frame: Short Range  
Status: In progress  
DTIC No.: To be assigned upon completion  
Summary:

This study will assess the potential for using a simulator to offset some of the live rounds currently used for training. The scope of Phase III will specifically focus on the 0331 Machine Gunners Course at the School of Infantry-East (SOI-E).

## **APPENDIX 1**

### **STUDIES CONTROL NUMBERING SYSTEM FY 1991 - PRESENT**

1. All SCNs contain the Marine Corps DTIC accession indicator "29" or "DM" followed by six digits positioned as described below:

a. The first two positions indicate the last two digits of the fiscal year.

b. The third and fourth positions contain two digits identifying the category:

- 01 = Manpower and Personnel
- 02 = Concepts and Plans
- 03 = Operations and Force Structure
- 04 = Installations and Logistics
- 05 = Sciences, Technology, Systems, and Equipment
- 06 = Management
- 07 = Intelligence
- 08 = International Security

c. The fifth and sixth positions contain a sequence number for each category.