

MARINE CORPS STUDIES CATALOG

Fiscal Years 1995 & 1996

VOLUME VIII



1992 - 1996

September 1996

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Marine Corps Combat Development Command
Quantico, Virginia 22134-5001**

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QUANTICO, VIRGINIA 22134-5001

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1996

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 System. Included is an alphabetical listing of studies by category and a descriptive summary of each study initiated since 1992, indicating its current status (ongoing, completed, cancelled and/or terminated).

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


R. J. LINHART JR.
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MARINE CORPS STUDIES CATALOG

VOLUME VIII - 1992-1996

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. This catalog supplements the previous six volumes which contain study data from 1976 through 1994. This catalog contains information on 1992 through 1996 studies. Further information with regard to the Marine Corps studies system is contained in Marine Corps Order 3902.1B.

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
8725 John J. Kingman Road
Suite 0944
Fort Belvoir, VA 22060-6218
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
3300 Russell Road
Quantico, VA 22134-5130
Commercial - (703) 784-4765
DSN - 278-4765

CHAPTER 2. STUDY LISTINGS

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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 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 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.: AD-B173842
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.: Not held by DTIC
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 June 1993
DTIC No.: Not held by DTIC
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: Cancelled
 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. The following CNA documents were written:

CIM 310	Joint Doctrine on Service Component Headquarters
CRM 93-156	Developing a Concept for a USCINCPAC/Korea Marine Service Component
CRM 93-132	Developing a Concept for the Marine Service Component Headquarters
CRM 93-139	Developing a Concept for a USCINCCENT Marine Service Component Headquarters (U)

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.:	Not held by DTIC
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.: Not held by DTIC
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.: Not held by DTIC
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.: Not held by DTIC
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: Cancelled
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.: AD-B195929
Summary:

To identify the optimum manning and equipment for each CEB.

SCN: 29-920303
Title: **Crisis Interaction Requirements Study (CIRS) - Phase II**
Category: Concept and Plans
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.: AD-B183378
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 Allocation 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.: Not held by DTIC
 Summary:

Examination of the activation 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.: Not held by DTIC
 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: Cancelled
 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: LMI
 Time Frame: Mid-Range
 Status: Cancelled
 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.: CRM 93-190
Title: **Equipment Allowance Pool (EAP) at
Twentynine Palms**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: MCAGCC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed July 1993
DTIC No.: Pending
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; CRM 93-169
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 (For CRM 93-152)
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. In addition to CRM 93-152, CRM 93-169, "Recommendations for Marine Corps Planning Factor Methodologies", was written.

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: **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: 29-920503
CNA.:
Title: **LAV-Air Defense (AD) COEA**
Category: Science, Technology, Systems and Equipment
Classification: NO CLASSIFICATION
Sponsor: LAVPM
Performing Activity: N/A
Time Frame: MID
Status: Cancelled by sponsor
DTIC No.:
Summary:

Provide an update to the LAV-AD COEA for Milestone III.

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.: CRM 93-238
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: Completed February 1994
DTIC No.: AD-B184599
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: KAPOs
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.: Not in DTIC
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: 29-920705
CNA No.:
Title: **Overview of Mission Area Factors for
Planning and Programming of Expeditionary
Operations**
Category: International Security
Classification: SECRET NOFORN
Sponsor: HQMC (INTEL)
Performing Activity: MSA
Time Frame: MID
Status: Completed 1 October 1993
DTIC No.: N/A
Summary:

To update Volume III of the original study by creating country reports for the eleven additional countries on the newest edition of the "Expeditionary Environmental Watchlist"

SCN: 29-920706
Title: Analysis of Defense Intelligence Database
Shortfalls in Relation to Expeditionary
Intelligence Research and Analysis
Requirements
Category: International Security
Classification: CONFIDENTIAL
Sponsor: HQMC (C4I2)
Performing Activity: N/A
Time Frame: Short
Status: CANCELLED by sponsor
DTIC No.: N/A
Summary:

To establish with some precision the degree to which data meeting our country/model requirements is available within the Military Intelligence Information System/Integrated Database (MIIS/IDB) and/or other classified and open source data bases.

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.

3.3. 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.: Not held by DTIC
Summary:

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

SCN: 29-930104
CNA No.: CRM 94-96
Title: **An Evaluation of the OSD Cost Performance Tradeoff model**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1994
DTIC No.: AD-B195200
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: **Work and Family in the Marine Corps: The Relationship between Performance and Dependency Status (AKA: 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.: AD-B195452
 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.: CRM 94-120, 94-99, 94-105, 94-55
 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: Completed November 1994
 DTIC No.: CRM 94-120 (not held by DTIC)
 94-99: AD-B195183
 94-55: AD-B195188

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. Four CNA documents were written:

CRM 94-55	Marine Corps Enlistment Guarantee Programs
CRM 94-99	The Marine Corps MOS Scheme: Issues and Comparisons
CRM 94-105	A Cost-Effective use of Selective Reenlistment Bonuses and Lateral Occupational Moves
CRM 94-120	Marine Corps and Navy Occupational Schemes: A Case Study

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 Desegregated 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.: AD-B179838L
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.: AD-B181810L
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.: AD-B178049L
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.: AD-B182419
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.: AD-B181781
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.: AD-B180922
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.: AD-B181793
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: Cancelled
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: Cancelled
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 June 1994
DTIC No.: Not held by DTIC
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.: AD-B180311
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.: See below
 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: Completed October 1995
 DTIC No.: Pending
 Summary:

Study objective is to refine the concept of Operational Maneuver From the Sea (OMFTS) and explore what its implementation means for combat development. The following CNA documents have been written:

CRM 94-53 Project CULEBRA: Mini Seminar
 CAB 94-20 Project CULEBRA: Phase I: Applying Power From the Sea
 CRM 94-102 Project CULEBRA: Phase I: Seminar Wargame,
 Unclassified, Aug 94
 CRM 94-185 Analysis of the Assault Battalion Concept,
 Unclassified, Jan 95
 CRM 94-186 Rethinking Mine Countermeasures in Amphibious
 Operations, Secret, Mar 95
 CAB 95-17 A New Approach to Analytical Wargaming, Unclassified,
 Feb 95
 CRM 95-110 Project CULEBRA: Analysis of Fire Requirements to
 Support Ship-to-Objective Maneuver, unclass., Jan 95.
 CRM 95-20 Project CULEBRA: Phase II Wargame, unclassified, Mar
 95.
 CAB 95-20 Project CULEBRA: A Quick Look at the Belsarius
 Wargame, unclassified, Apr 95.
 CRM 95-85 Project CULEBRA: Establishing the MEF (afloat) in
 2010, unclassified, Jun 95.
 CRM 95-93 Project CULEBRA: MCM Follow-on Wargame, unclassified,
 Jan 95.
 CRM 95-144 Project CULEBRA: Sea-Based Combat Service Support for
 Ship-to-Objective Maneuver (Supply and Transportation
 Analysis), unclassified, Sep 95.

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.: See below
 Title: **The Marine Corps and Humanitarian Assistance Operations**
 Category: Concepts and Plans
 Classification: Unclassified
 Sponsor: MCCDC (C&SW) and CG I MEF
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed April 1996
 DTIC No.: Pending
 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. The following CNA documents have been written:

CAB 95-83.10 Training & Education requirements for Humanitarian Assistance Operations.
 CAB 95-84.10 Legal requirements for Humanitarian Assistance Operations.
 CAB 95-85.10 The Role of Civil Affairs and Psychological Operations in Humanitarian Assistance Operations.
 CAB 95-86.10 The U.S. Marine Corps & Domestic Operations: Insights on requirements.
 CRM 95-151.10 Planning for Humanitarian Assistance Operations.
 CRM 95-152.10 Logistics and Engineering requirements for Humanitarian Assistance Operations.
 CRM 95-156.10 Emerald Express '95: Analysis report.
 CRM 95-161.10 Improving Marine Coordination with Relief Organizations in Humanitarian Assistance Operations.
 CRM 95-165.10 Command and Coordination in Humanitarian Assistance Operations.

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: Completed March 1994
DTIC No.: AD-B186183
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.: Not held by DTIC
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.: AD-B179782L
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.: CRM 94-131
Title: **Ground Training Readiness (renamed from "OPTEMPO and Readiness")**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MCCDC (T&E)
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed October 1994
DTIC No.: AD-B196115
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. Three CNA documents were written:

CAB 94-24: Ground Training Readiness Study: Task I, Review of USMC Unit Training, Mar 94

CAB 94-42: Ground Training Readiness Study: Emerging Results

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 October 1993
DTIC No.: Not held by DTIC
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.: AD-B184596L
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.: See below
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: Completed March 1994
DTIC No.: AD-C051817, AD-B186543, AD-B186316, AD-B186545

Summary:

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

- CRM 93-126: Logistics in Operation Restore Hope, Secret, Jan 94
- CRM 94-27: Operation Restore Hope: Preparing and Planning the Intelligence Transition, Secret, Mar 94
- CRM 93-114: The Joint Task Force in Operation Restore Hope, AD-B186543, Unclas, Mar 94
- CRM 93-148: Operation Restore Hope: Preparing and Planning the Transition to UN Operations, AD-B186316, Unclas, Mar 94
- CRM 93-152: Operation Restore Hope: Summary Report, AD-B186545, Mar 94

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.: Not held by DTIC
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.: Not held by DTIC
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.: AD-B180035L
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.: AD-A286510
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.: Not held by DTIC
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: Terminated August 1994
DTIC No.: N/A
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.: See below
 Title: **Shore Support for Fleet Marine Forces in the Western Pacific**
 Category: Installations and Logistics
 Classification: Secret
 Sponsor: MCCDC (INT)
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed February 1995
 DTIC No.: Not held at DTIC
 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. The following CNA documents were written:

- CAB 94-31 Shore Support for the Fleet Marine Force (FMF) in the Western Pacific, Secret/NOFORN, May 94
- CIM 349 Seventh Fleet Amphibious Forces 1983-1993 and Marine Corps Forces in Japan, Unclass Feb 95.
- CRM 94-112 Shore Support for the Fleet Marine Forces (FMF) in the Western Pacific Study: Final Rpt, Secret, Feb 95
- CRM 94-52 USMC Bases in Japan: Operational Considerations and Prospects for III MEF, Secret, Feb 95

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.: AD-B183210L
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.: AD-B176932L
 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.: AD-B175549L
 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.: AD-B192038
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.: AD-B175609
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: CANCELLED
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: Cancelled
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: Cancelled
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.: AD-B174287L
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.: AD-B177721L
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.: AD-B183809L
Summary:

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

SCN: 29-930523
Title: **Third Echelon Test Set (TETS) (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 1994
DTIC No.: AD-B179618
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: Completed January 1994
DTIC No.: AD-B195908
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.: Not held by DTIC
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: Completed March 1994
DTIC No.: Pending
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: Completed January 1995
DTIC No.:
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: Cancelled by sponsor
DTIC No.: N/A
Summary:

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

SCN: 29-930530
 CNA No.: See below
 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: Terminated September 1994
 DTIC No.: N/A
 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. Following CNA documents were written:

CRM 93-108 FUZZ App and FUZZ Float - Using FUZZY sets as Inputs to Models, Jun 93
 CAB 93-8 MWARS Model: An Annotated Briefing, Jul 93
 CRM 93-128 Sensitivity Analysis of the Sequence-of-Strikes (SOS) Model using the Comcept of FUZZY Set Input and Output, Aug 93
 CAB 93-31 Report on MWARS Task 1, Model Analysis and Assessment--An Annotated Briefing and Appendices
 CRM 94-21.09 MWARS Model Task 2 - Design Proposal, Sponsor Review Version, 31 Jan 94

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; CIM 326
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 Jan 93 (CIM 238), Nov 93 (CIM
326)
DTIC No.: AD-B173795(CIM 238), CIM 326 Not held by
DTIC
Summary:

Identification of cost-effective ways of using simulators and training devices to complement, augment, or offset live-fire training. In addition to CIM 238, CIM 326, "Technical Documentation of Training Cost and Savings Calculations used in Simulation Offset to Live-Fire Training, Phase II" was written.

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.: Not held by DTIC
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.

3.4. Fiscal Year 1994

SCN: DM-940101
CNA No.: TBD
Title: **ASVAB Policy**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC, DC/S M&RA
Performing Activity: CNA
Time Frame: Mid-Range
Status: In progress
DTIC No.: Pending
Summary:

The objective of this project is to provide the Marine Corps with technical representation on the joint service Manpower and Accession Policy Working Group and Defense Advisory Committee on Military Personnel Testing.

SCN: DM-940102
CNA No.: CRM 95-55
Title: **Longitudinal Analysis of Officer Survival Patterns by Race Ethnicity and Gender**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC DC/S M&RA
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed August 1995
DTIC No.: Pending
Summary:

To determine the extent and causes of any differences in the historical augmentation, promotion, and attrition rates of officers along racial/ethnic and gender lines. This study will establish, maintain, and employ a longitudinal record of officers in order to examine voluntary and involuntary attrition, the impact of MOS quality spread on survivorship, and the viability of current officer management policies and affirmative action goals.

SCN: DM-940201
Title: **Mission Area Analysis MA 36 - Electronic Warfare**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: Concept and Plans, MCCDC
Performing Activity: PRC, Inc.
Time Frame: Mid-Range
Status: Completed April 94
DTIC No.: AD-B185243
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
Sponsor: Concepts and Plans, MCCDC
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor (SEE NOTE BELOW)
DTIC No.:
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.

NOTE: MAA objectives consolidated with MA 21/Direct Fire Maneuver and MA 43/Transportation.

SCN: DM-940203
Title: **Mission Area Analysis MA 22 - Ground Tactical Mobility/Counter mobility**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: Concepts and Plans, MCCDC
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.:
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**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: Concepts and Plans, MCCDC
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: Not held by DTIC
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
Sponsor: Concepts and Plans, MCCDC
Performing Activity: PRC, Inc.
Time Frame: Mid-Range
Status: Completed August 1994
DTIC No.: AD-B194839
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
Sponsor: Concepts and Plans, MCCDC
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: N/A
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
Sponsor: Concepts and Plans, MCCDC
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: N/A
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
Sponsor: Concepts and Plans, MCCDC
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: N/A
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-940209
CNA No.: CRM 96-10
Title: **Roles and Missions: Develop a Vision for the Marine Corps in the 21st Century**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: CG, MCCDC
Performing Activity: CNA
Time Frame: Long-Range
Status: Completed March 1996
DTIC No: Not held by DTIC
Summary:

To provide a mechanism to guide the Marine Corps' leadership through a process that will allow them to: Systematically build new views of what might be in the country's future in the next two decades. Understand what the implications of those futures might be for the Marine Corps. Design and develop a new vision of what the Marine Corps should be at the time, where it is going, why it is going there, and how it will get there.

SCN: DM-940210
CNA No.: CAB-95-23
Title: **Roles and Missions Support: Overseas Presence: Analysis of Army and Navy Deployments.**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: CG, MCCDC/DC/S PP&O, HQMC
Performing Activity: CNA
Time Frame:
Status: Completed March 1995
DTIC No: Not held by DTIC
Summary:

To provide periodic "Quick Response" analytical support to assist CG MCCDC and the Marine Corps "Blue Team" in addressing roles and missions issues.

SCN: DM-940211
 CNA No.: See below
 Title: **Sea-Based Firepower for the Joint Land Battle**
 Category: Concepts and Plans
 Classification: Secret
 Sponsor: CG, MCCDC and OPNAV N8
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed April 1995
 DTIC No.: To be assigned upon completion
 Summary:

To help Navy and Marine Corps shape requirements for future capabilities to support combat ashore. Will focus on reconnaissance-strike systems in leading edge response situations. Following CNA publications have been written/are being written:

27 950072.00 SECRET

Sea-Based Firepower for the Joint Land Battle: Air Campaign Analysis (U) (BF McCoy, SC Munchak, A Jewell) (199 P) CNA, RAS, Research Memorandum 95-72, November 1995

94 021500.00 SECRET

Sea-Based Firepower for the Joint Land Battle: Summary Report (U) (AP Borden, A Berman, RI Brody, PW Czapor, GA Federici, JJ Janeczek, A Jewell, BF McCoy, JB Miers, SC Munchak, JM Thorpe, B Wald, MA Wootten, DJ Zvijac) (66 P) CNA, RAS, Report 215, August 1995

47 940085.00 SECRET

Limited External Access

Sea-Based Firepower for the Joint Land Battle: Summary of Results (U) (AP Borden) (45 P) CNA, RAS, Annotated Briefing 94-85, Preliminary Version, February 1995

47 940085.10 SECRET

Limited External Access

Sea-Based Firepower for the Joint Land Battle: Summary of Results (U) (AP Borden) (45 P) CNA, RAS, Annotated Briefing 94-85, Review Version, March 1995, Revised Version

27 940070.00 SECRET

No Contractor

Sea-Based Firepower for the Joint Land Battle: Profiling the 2005-2010 Leading-Edge Forces (U) (MA Wootten) (62 P) CNA, SFD, Research Memorandum 94-70, September 1994
 NOFORN

27 940092.00 SECRET

Planning Context for the Study of Sea-Based Firepower for the Joint Land Battle (U) (RI Brody) (41 P) CNA, SFD, Research Memorandum 94-92, August 1994
 NOFORN/WNINTEL

SCN: DM-940212
Title: **Development of Marine Expeditionary Force (MEF) Campaign Scenarios**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC, S&A Div.
Performing Activity: TRAC-WSMR
Time Frame: Mid-Range
Status: Completed October 1995
DTIC No.: Not held by DTIC
Summary:

To develop a MEB campaign scenario that is compatible with and suitable for input into the CASTFOREM high resolution simulation model. This Marine Corps scenario shall include vignettes that incorporate and exercise the principles of the OMITTS, Sustained Operations Ashore, and Other Operations Other Than War; and to provide, enhance and utilize U. S. Army Training and Doctrine Command, developed models, to conduct analyses in support of the Marine Corps.

SCN: DM-940302
Title: **Long Range Technology Assessment**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: Concepts and Plans, MCCDC
Performing Activity: CNA
Time Frame: Long-Range
Status: Cancelled by Sponsor September 1994
DTIC No.: Not held by DTIC
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
CNA No.: CAB 94-38
Title: **Tactical Air Integration**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MCCDC and OPNAV N8
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed July 1994
DTIC No.: Not held by DTIC
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
Sponsor: DC/S I&L
Performing Activity: PSE
Time Frame: Mid-Range
Status: Completed March 1996
DTIC No.: Pending
Summary:

To develop a methodology for determining planning factors for all classes of supplies. The method shall attempt to reconcile the sometime competing exigencies of both acquisition issues for POM and sustainability issues for MAGTF planners. The study shall clearly document the limitations that any methodology will inevitably have so that decision makers can more effectively manage USMC logistic assets. This study is a follow-on to an effort by MCCDC (C 45) which examined Class III consumption factors.

SCN: DM-940402
Title: **Rapid Deployment of Expeditionary Airfield (EAF) Equipment**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: CG, MARFORPAC
Performing Activity: TBD
Time Frame: Mid-Range
Status: Cancelled by Sponsor Aug 94
DTIC No.: N/A
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
Sponsor: DC/S I&L
Performing Activity: LMI
Time Frame: Mid-Range
Status: Completed July 1996
DTIC No.: Pending
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
Sponsor: DC/S I&L
Performing Activity: ASEC
Time Frame: Mid-Range
Status: In progress
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.

SCN: DM-940405
Title: **Application of LOGMARS Technology**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: MCLB, Barstow
Performing Activity: N/A
Time Frame: Long-Range
Status: Cancelled by sponsor
DTIC No.: N/A
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-940406
Title: **Logistics Factors File (LFF)**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC, DC/S I&L
Performing Activity: PRC, Inc.
Time Frame: Mid-Range
Status: Completed November 1995
DTIC No.: Pending
Summary:

To conduct an overall functional process improvement to include but not limited to identifying deficient processes, analyzing, validating, and providing recommended changes to the LFF process so as to provide an updated Naval LFF in order to meet joint service objectives.

SCN: DM-940407
Title: **Issuing and Accounting of 782 Gear**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC DC/S I&L
Performing Activity: PSE
Time Frame: Mid-Range
Status: Completed July 1995
DTIC No.: Pending
Summary:

To determine the most cost effective method of issuing and accounting for individually issued equipment, to include both 782 gear and special training and allowance pool equipment. The analysis will investigate and compare the following alternatives (each alternative will be evaluated with and without the implementation of the exchange replacement sales program: Current Marine Corps Policy (base case); Central Issue Facilities; Career Length Issues; Any combination of the above to include any additional alternatives discovered during the project.

SCN: DM-940408
CNA No.: CAB 94-78
Title: **Civilian Maintenance Support Concept**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC DC/S I&L
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed July 1995
DTIC No.: Pending
Summary:

To determine the requirement for, and associated costs of, civilian contract maintenance (CCM) within the Marine Corps. To date, one CNA Publication has been written:

CAB 94-78 **Civilian Maintenance Support Concept Study: Interim Briefing, Nov 94**

SCN: DM-940409
CNA No.: CRM 95-213
Title: **Readiness Based Sparing (RBS) Marine Aviation Logistics Support Program (MALSP)**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC DC/S AVN
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed February 1996
DTIC No.: Pending
Summary:

To analyze the impact of TBS on Aviation Consolidated Allowance Lists supporting Marine Aircraft Groups under the MALSP; specifically, the impact of RBS on requirements calculations for Fly in Support Packages, Contingency Support Packages and Follow on Support Packages.

SCN: DM-940501
Title: **SIGINT Umbrella Study**
Category: Science, Technology, Systems, & Equipment
Classification: Unclassified
Sponsor: MCCDC, Req. Div.
Performing Activity: PRC, Inc.
Time Frame: Mid-Range
Status: Completed October 1995
DTIC No.: Pending
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
Sponsor: DAC/S C4I, HQMC
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: Pending
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: **C⁴ Architecture Study**
Category: Sciences, Technology, Systems & Equipment
Classification: Unclassified
Sponsor: DAC/S C4I, HQMC
Performing Activity: PRC, Inc.
Time Frame: Near, Mid, and Long-Range
Status: Completed December 1995
DTIC No.: Pending
Summary:

To determine the C⁴I 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
Sponsor: Requirements Div., MCCDC
Performing Activity: PRC, Inc.
Time Frame: Long-Range
Status: Completed September 1994
DTIC No.: To be assigned upon publication pursuant to Sponsor's decision memorandum
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
Sponsor: Requirements Div., MCCDC
Performing Activity: PRC, Inc.
Time Frame: Long-Range
Status: Completed August 1994
DTIC No.: Pending
Summary:

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

SCN: DM-940506
CNA No.: See below
Title: Simulation Offset to Live-Fire Training
(Phase III)
Category: Sciences, Technology, Systems, and
Equipment
Sponsor: MCCDC (T&E)
Classification: Unclassified
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1994
DTIC No.: AD-B186338 (for CIM 344)
Summary:

To follow-up Phase II effort and develop additional data by conducting controlled experiments with trainees in order to assess the differences, quantitative or qualitative, between Marines receiving a mix of live-fire and simulation training and those receiving all live-fire training. The intent is to provide experiential evidence that will confirm, extend, or modify the judgements of the trainers on the potential for using simulation in conjunction with live-fire training to lower costs. Two CNA publications were written:

CIM 344 Simulation Offset to Live-Fire raining, Phase III:
Test Plan, Mar 94

CRM 94-107 Simulation Offset to Live-Fire Training, Phase III,
Aug 94

SCN: DM-940507
Title: **General Support Artillery Analysis**
Category: Science, Technology, Systems and Equipment
Classification: Secret
Sponsor: Dir., S&A Div
Performing Activity: S&A Div/TRAC-WSMR
Time Frame: Mid-Range
Status: Completed September 1995
DTIC No.: Not held by DTIC
Summary:

Identify long-term Marine Corps General Support artillery requirements.

SCN: DM-940535
Title: **MV-22 Supplemental Analysis Wargame Report**
Category: Science, Technology, Systems and Equipment
Classification: Secret - NORFORN
Sponsor: MCCDC
Performing Activity: MCCDC, S&A Div. and PSE, Inc.
Time Frame: Mid-Range
Status: Completed July 1994
DTIC No.: ADC052450 (for Vol 1 of 2), ADC052451 (for Vol 2 of 2)

Summary: This Wargame Report Supplements the Medium Lift Replacement (MLR) Cost and Operational Effectiveness Analysis (COEA) done by the Center for Naval Analyses in 1993-1994 which identified several issues that required further analysis. This supplemental analysis consisted of a two-sided planning seminar followed by an interactive computer simulation and had the following specific purposes:

- Explore the military utility of MLR alternatives.
- Document the decision process used by military planners.
- Refine measures of effectiveness
- Collect detailed opposing force laydowns used in the analysis.

The planning seminar examined employment of MLR candidates in a Maneuver Warfare/Operational Maneuver from the Sea context. The computer simulation dynamically exercised the concepts of operation developed in the planning seminar. The result of this effort will be incorporated into a new V-22 COEA being conducted by BDM Federal, Inc.

This report is published in two volumes. Volume I contains the basic report and appendices A through D. Volume II contains appendices E through M.

SCN: DM-940536
 Title: **Accreditation Report to the MLR COEA Oversight Board**
 Category: Science, Technology, Systems and Equipment
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: MCCDC, S&A Div. and PSE, Inc.
 Time Frame: Mid-Range
 Status: Completed September 1994
 DTIC No.: Pending
 Summary:

The DoD Directive 5000.59 on DoD Modeling and Simulation Management of 4 January 1994 states that all models used in support of major decision making organizations, such as a DAB, must be accredited.

The purpose of this model accreditation review was to provide the Department of Defense decision makers with information necessary to determine the level of confidence they could place in that portion of the MLR COEA Phase II results that stem from models and simulations. This report documents the methodology used in the accreditation of the models used in the Operational Maneuver From the Sea COEA for the Medium Lift Replacement Aircraft.

SCN: DM-940701
 Title: **Expeditionary Force Mission Factor Intelligence Analysis Requirements**
 Category: Intelligence
 Classification: Unclassified
 Sponsor: MCIA
 Performing Activity: PRC., Inc.
 Time Frame: Mid-Range
 Status: Completed June 1995
 DTIC No.: Not held by DTIC
 Summary:

To revise, update, and expand the Expeditionary Intelligence Study 1-89 by automating the manual Expeditionary Force Mission Factor Intelligence data base structure; develop an automated dBase III+ data base program to use, maintain and update the Expeditionary Force Mission Factor Intelligence data base; and structure the data base into geographic regions of Africa, Asia/Pacific, Europe/Mediterranean, Middle East/Southwest Asia, and the Western Hemisphere.

3.5. Fiscal Year 1995

SCN: DM-950101
CNA No.: TBD
Title: **Evaluating the Impact of Pregnancy and other Medical, Administrative, and Disciplinary Factors on Marine Corps Personnel and Readiness**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC DC/S M&RA
Performing Activity: CNA
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

To establish the means to gather data on pregnancy and analyze its impact on readiness and manpower processes to answer a SECNAV reporting requirement.

SCN: DM-950102
Title: **Reappraisal of the Marine Corps' Performance Evaluation System**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC DC/S M&RA
Performing Activity: Western Michigan University
Time Frame: Mid-Range
Status: Completed January 1996
DTIC No.: TBD
Summary:

Determine most appropriate evaluation tool/system for future generations of Marines. The system should facilitate a true appraisal of how well an individual meets our expectations and allow for the clear communication of that appraisal. The system should remain useful to the Marine Corps for more than one generation of Marines.

SCN: DM-950103
CNA No.: 96-0597
Title: **Analysis of Continuation Rates in the
Selected Marine Corps Reserve (SMCR)**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC DC/S M&RA
Performing Activity: CNA
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Develop continuation rate and accompanying models that
will be utilized for SMCR manpower planning.

SCN: DM-950104
Title: **Strategic Analysis of the Recruiting
Environment**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC DC/S M&RA
Performing Activity: PRC
Time Frame: Mid-range
Status: Completed September 1996
DTIC No.: To be decided
Summary:

Determine and gain information on the primary external
forces that influence the recruiting environment. External
forces include available resources, competitors and trends in the
Qualified Military Available (QMA) market. This information will
be analyzed and used to predict the recruiting environment of the
future.

SCN: DM-950105
CNA No.: TBD
Title: Revalidation of Armed Services Vocational
Aptitude Battery Composite Scores for MOS
Assignment
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC DC/S M&RA
Performing Activity: CNA
Time Frame: Mid-range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Considering other educational factors, identify ASVAB composite test and minimum score required for assignment to each MOS; identify ASVAB composite test and optimal score desired for assignment to each MOS.

SCN: DM-950106
CNA No.: CRM 96-54
Title: Marine Corps Entry Level Training
Attrition
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: MCCDC (T&E)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1996
DTIC No.: Pending
Summary:

To define and describe the Marine Corps' requirements for the successful completion of entry level training (recruit training/MCT/infantry MOS) and objectively determine a methodology for reducing attrition in the process while still providing to the operationsl forces/supporting establishment well trained and disciplined Marines.

SCN: DM-950201
CNA No.:
Title: **Emerald Express '95, Impacts on the Marine Corps Combat Development Process**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC, S&A Div.
Performing Activity: S&A Div., Analysis Branch
Time Frame: Mid-Range
Status: Completed June 1995
DTIC No.: B201202 & B201203
Summary:

This report is designed to capture the recommendations from Emerald Express '95 and to make those recommendations available to the Marine Corps combat Development Process. This report is designed to complement the reports being written by the Center for Naval Analyses on the results of the conference and on the ongoing Humanitarian Assistance Operations study.

This report is published in two volumes. Volume I contains the basic report. Volume II contains the supporting appendices.

SCN: DM-950202
Title: **Mission Area Analysis of Mission Area 21 - Direct Fire and Maneuver**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC (C&P Division)
Performing Activity: PRC
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon Study completion
Summary:

To determine capabilities and identify deficiencies and opportunities of the MAGTF to use tactical combat power to locate, close with, and destroy the enemy, by fire and maneuver. To develop recommended actions to: correct identified deficiencies; and exploit identified opportunities.

SCN: DM-950203
Title: **Mission Area Analysis of Mission Area 11 - C2 and C2 Support**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC (C&P Division)
Performing Activity: PRC, Inc.
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

To determine capabilities and identify deficiencies and opportunities of the MAGTF to command and control units performing Marine Corps, Joint or combined missions that includes operational maneuver from the sea, ground, amphibious, ship-to-shore, and air operations. To develop recommended actions to: correct identified deficiencies; and exploit identified opportunities.

SCN: DM-950204
Title: **Mission Area Analysis of Mission Area 26 - Engineering**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC (C&P Division)
Performing Activity: PRC
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

To determine capabilities and identify deficiencies and opportunities to provide combat engineering, military engineering support and service support for the landing force as a whole. To develop recommended actions to: correct identified deficiencies; and exploit identified opportunities.

SCN: DM-950205
Title: **Mission Area Analysis of Mission Area 42 -
Supply and Maintenance**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC (WDID Division)
Performing Activity: ASEC
Time Frame: Mid-Range
Status: Completed August 1996
DTIC No.: To be decided
Summary:

To determine capabilities and identify deficiencies and opportunities in the MAGTF's ability to supply and maintain the force, (aviation and ground). Includes all subfunctions of supply, supply support, and supply administration; and maintenance, maintenance support, and maintenance management. To determine recommended actions to: correct identified deficiencies; and exploit identified opportunities.

SCN: DM-950208
Title: **Mission Area Analysis of Mission Area 45 -
Health Services**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC (C&P Division)
Performing Activity: ASEC
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

To determine capabilities and identify deficiencies and opportunities of medical and dental support units to conserve MAGTF combat power by providing health maintenance, casualty collection, casualty treatment, temporary hospitalization and evacuation. To develop recommended actions to: correct identified deficiencies; and exploit identified opportunities.

SCN: DM-950209
CNA No.:
Title: **Marine Corps Scenario Family**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC (WDID)
Performing Activity: PRC, Inc.
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

To review and update, delete and/or replace obsolete/outdated Marine Corps' scenarios so they remain useful tools for future studies and analyses. To develop the policy and procedures for managing and maintaining the Marine Corps' scenario family.

SCN: DM-950210
Title: **An Operational Maneuver from the Sea (OMFTS) Logistics Capability**
Category: Concepts and Plans
Classification: Secret
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Long-range
Status: Completed February 1996
DTIC No.: Pending
Summary:

To identify and optimize all of the parameters that will govern the modeling of a functional seabase to support OMFTS. Identify the operational functions needed to support OMFTS and produce a preliminary design concept leading to full scale development of an operational seabase concept.

SCN: DM-950211
TITLE: **Revolution in Military Affairs (RMA) Marine Corps Operational Concepts Wargaming Series**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC (Wargaming Division)
Performing Activity: SIAC
Time Frame: Long-Range
Status: In progress
Summary:

These games are part of a larger RMA wargaming effort sponsored by the Office of the Secretary of Defense/Net Assessment and the Services. Each game is joint and addresses RMA type issues. To date, there have been 18-20 games addressing issues/warfare areas such as Space, Defense Against Cruise Missiles, Cominating Maneuver, Information Warfare, and Maritime Operations.

SCN: DM-950301
Title: **Marine Corps Aviation Safety**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: CMC (SD, Safety Division)
Performing Activity: PRC, Inc.
Time Frame: Mid-Range
Status: Completed April 1996
DTIC No.: To be decided
Summary:

Determine through analytical methods whether the Marine Corps mishap rate is a result of an institutional or systemic problem. Additionally, develop risk management techniques that can be implemented to improve operational flight safety.

SCN: DM-950302
Title: **Increase in Line Haul Capability for M1A1 Tank Assets**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MCCDC (Req. Division)
Performing Activity: ASEC
Time Frame: Mid-range
Status: Completed January 1996
DTIC No.: To be decided
Summary:

To determine force structure and budgetary impact of procuring, manning, and equipping the requisite transporter capability to simultaneously "line haul" one tank company (14 vehicles) over improved roads.

SCN: DM-950401
Title: Regeneration of Forces After Involvement in
Major Regional Conflict
Category: Installations and Logistics
Classification: NA
Sponsor: MCLB, Albany
Performing Activity: NA
Time Frame: NA
Status: Cancelled by sponsor (MCLB Albany ltr ser 390
Code 135 of 28 Oct 94)
DTIC No.: NA
Summary:

To identify resources available to regenerate forces,
including Maritime Prepositioning Ships, after a Major Regional
Conflict within time frames established by National Command
Authority or Command in Chief.

SCN: DM-950403
Title: Marine Corps Rail System
Category: Installations and Logistics
Classification: Unclassified
Sponsor: MCLB, Barstow
Performing Activity: ASEC
Time Frame: Long-Range
Status: Completed April 1996
DTIC No.: To be decided
Summary:

The study should identify base logistical and maintenance
requirements in depth to sustain increased rail support of
Defense Logistics Agency, Military Transportation Management
Command, and other services aboard Marine Corps installations
during mobilization efforts.

SCN: DM-950409
 CNA No.: CRM 95-96
 Title: **Update of Planning Factors for Remain-
 Behind Equipment**
 Category: Installations & Logistics
 Sponsor: MCAGCC
 Classification: Unclassified
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed June 1995
 DTIC No.: Pending
 Summary:

Experience in Operation Desert Shield/Storm showed that the readiness of Remain-Behind Equipment (RBE) was lower than expected based on readiness rates obtained weekly from the Marine Expeditionary Forces (MEFs). This alerted the Marine Corps that planning factors that estimate the readiness of RBE were needed for both operational and budgetary planning. The Center for Naval Analyses was asked to develop the needed planning factors. This report comprises the results of an update to earlier RBE planning factors.

SCN: DM-950411
 CNA No.: N/A
 Title: **Enhanced Equipment Allowance Pool**
 Category: Installations & Logistics
 Classification: Unclassified
 Sponsor: MCCDC (T&E)
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Study terminated by sponsor
 DTIC No.: Not held by DTIC
 Summary:

Identifies the using unit responsibility items and the tools and test equipment required to support specified tables of equipment, and evaluates the stock lists associated with each end item, providing a recommended tailored listing for the enhanced equipment allowance pool.

SCN: DM-950501
Title: Marine Combat Service Support Command and Control
Category: Sciences Technology, Systems and Equipment
Classification: Unclassified
Sponsor: MCCDC, Req. Div.
Performing Activity: PSE & S&A Div.
Time Frame: Short-Range
Status: Completed November 1995
DTIC No.: Not held by DTIC
Summary:

To evaluate and compare the following alternatives: Combat Service Support Control System (CSSCS). Modify and adopt the Army's CSSCS; Unified Build (UB), re-engineer and Army's CSSCS as an application within the Joint Maritime Command Information System common operating environment, which is based on UB; Joint Battlefield Logistics (JBL). Join in the DoD JBL program; Naval Tactical Command Support System (NTCSS). Develop logistics C2 processes similar to CSSCS to function as an application within NTCSS; Command Tactical Information System (CTIS). Adopt and modify CTIS; Asset Tracking Logistics and Supply System (ATLASS) II. Develop ATLASS to provide logistics C2 functionality; Foreign Military Technology. Adopt a foreign system.

SCN: DM-950502
CNA No.:
Title: Commander's Tactical Terminal Correlator/Processor COEA
Category: Sciences, Technology, Systems & Equipment
Classification: Unclassified
Sponsor:
Performing Activity:
Time Frame:
Status: Cancelled by sponsor
DTIC No.: N/A
Summary:

To provide an analytic basis for a Milestone I decision for determining which alternatives best suit the Marine Corps' needs and capabilities to receive, correlate and process information.

SCN: DM-950503
Title: **Ground Based Air Defense Passive Sensor COEA**
Category: Sciences, Technology, Systems & Equipment
Classification: Unclassified
Sponsor: MCCDC, Req. Div.
Performing Activity: N/A
Time Frame: Mid- to Long-Range
Status: Cancelled by sponsor
DTIC No.: N/A
Summary:

To provide an analytic basis for a Milestone I decision in determining which alternatives best suit the Marine Corps' needs for a passive sensor that provides timely detection/early warning and reliable identification of detected aircraft, cruise missiles and unmanned aerial vehicles.

SCN: DM-950504
Title: **Joint Surveillance Target Attack Radar System (JSTARS) Connectivity COEA**
Category: Sciences, Technology, Systems & Equipment
Classification: Unclassified
Sponsor: MCCDC, Req. Div.
Performing Activity: PRC, Inc.
Time Frame: Mid-Range
Status: Completed December 1995
DTIC NO.: Not held by DTIC
Summary:

To provide an analytic basis for a Milestone I decision for determining which of the JSTARS connectivity alternatives best suit the Marine Corps' needs and capabilities.

NOTE: This study, if feasible, shall be consolidated with joint or other service JSTARS connectivity COEA efforts.

SCN: DM-950505
Title: **Outrider Combat Protection System COEA**
Category: Sciences, Technology, Systems & Equipment
Classification: Unclassified
Sponsor: MCCDC (Req. Division)
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: N/A
Summary:

To provide an analytic basis for a Milestone I decision for determining which of the OUTRIDER alternatives best suit the Marine Corps' needs for an armored vehicle mounted active LASER countermeasure system (LMCS).

SCN: DM-950506
Title: AN/PLQ-4 LMCS II COEA
Category: Sciences, Technology, Ststems & Equipment
Classification: Unclassified
Sponsor: MCCDC (Req. Division)
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No: N/A
Summary:

To provide an analytic basis for a Milestone I decision for determining which of the hand-held active LMCS alternatives best suit the marine Corps' needs.

NOTE: This COEA shall be combined with OUTRIDER Protection System COEA.

SCN: DM-950507
Title: Ground Weapons Systems Simulation Investment Strategy (renamed: Ground Weapons Training Simulators)
Category: Sciences, Technology, Systems & Equipment
Classification: Unclassified
Sponsor: MCCDC (T&E Division)
Performing Activity: PRC, Inc.
Time Frame: Mid-Range
Status: Completed June 1996
DTIC No.: To be decided
Summary:

Form a comprehensive plan which capitalizes on those technological advances considered most promising for interactive realism, task performance measurement, decision-making/reaction analysis, recording (freeze/playback) and remediation capability and identifies a priority for acquisition fielding training devices which satisfy current deficiencies and which allow for modifications/upgrades.

SCN: DM-950508
Title: Marine Corps Air-Ground Combat Center Future Range Master Plan
Category: Science, Technology, Systems & Equipment
Classification: Unclassified
Sponsor: MCAGCC (Operations & Training Directorate)
Performing Activity: PRC
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: N/A
Summary:

To provide a clear, cohesive, and comprehensive roadmap for MCAGCC to follow in order to provide a first class training facility in the year 2000 and beyond. Study results are needed in FY95 in order to plan procurement starting in FY96.

SCN: DM-950509
CNA No.: TBD
Title: Implementation of the Indoor Simulated Marksmanship Trainer
Category: Sciences, Technology, Systems, & Equipment
Classification: Unclassified
Sponsor: MCCDC (T&E Division)
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed July 1996
DTIC No.: To be determined
Summary:

To recommend a measured approach which addresses: Data collection/documentation; Ammunition savings; Document training effectiveness; Refined guidance on implementation and usage; Validate expectations of improved proficiency and more flexible sustainment capability.

SCN: DM-950510
Title: Mapping, Charting, and Geodesy (MC&G) Support Study
Category: Science, Technology, Systems & Equipment
Classification: Unclassified
Sponsor: MCIA, Quantico Det.
Performing Activity: PRC, Inc
Time Frame: Mid-range
Status: Completed July 1996
DTIC No.: To be assigned upon study completion
Summary:

Determine the deficiencies and recommendations for providing MC&G support to the MAGTF. Evaluate marine Corps MC&G support within the joint environment, to include existing joint doctrine and architecture requirements and deficiencies.

SCN: DM-950511
Title: Expeditionary Warfare Threat Environment
Projections
Category: Sciences, Technology, Systems & Equipment
Classification: Secret
Sponsor: MCIA
Performing Activity: PRC, Inc.
Time Frame: Mid-Range
Status: Terminated By Sponsor
DTIC No.: Not held by DTIC
Summary:

To prepare a DIA-approved intelligence reference document that provides a Marine Corps-specific baseline threat in support of modeling, weapons acquisition and training. The threats addressed will include those in an expeditionary environment with focus on countries of Marine Corps interest as expressed in the Mid-Range Threat Estimate.

SCN: DM-950512
Title: Mission Planning/Mission Rehearsal (MP/MR)
of MAGTF Requirements
Category: Sciences, Technology, Systems & Equipment
Classification: Unclassified
Sponsor: MCCDC (T&E Division)
Performing Activity: N/A
Time Frame: Short-range
Status: Cancelled by the sponsor (See note below)
DTIC No.: N/A
Summary:

To produce the requirements and proposed architecture for a MP/MR system that will automate the information required by all component commanders within the MAGTF for warfighting operations and provide the interoperability throughout the MAGTF that will allow the necessary sharing of information.

SCN: DM-950513
Title: **Internet Access on the Battlefield**
Category: Science, Technology, Sysstems & Equipment
Classification: Unclassified
Sponsor: III MEF (G-6)
Performing Activity: N/A
Time Frame: Short-Range
Status: Cancelled by the sponsor (Combined with C4I
Architecture Study)
DTIC No.: N/A
Summary:

To identify the required protocols/operating systems required for efficient use of the internet and to develop training specifications to ensure Marines are qualified to understand and operate the new protocols and operating systems. Additionally, to develop a system which will keep pace with emerging technology. This is because open systems for date communication are rapidly becoming the norm in DoD and the Marine Corps must keep pace. We must have a methodology to evaluate present and future protocol requirements and to ensure Marines are trained to operate these systems in a joint environment.

NOTE: This study shall Incorporate the "Mission Planning/Mission Rehearsal of the MAGTF Requirements" study requirements.

SCN: DM-950601
CNA No.:
Title: **Analysis of the Use of the Flight Hour
Program to Support Training of Tactical
Aircrews**
Category: Management
Classification: Unclassified
Sponsor: DC/S Aviation, HQMC
Performing Activity: None
Time Frame: None
Status: Cancelled by sponsor
DTIC No.:
Summary:

To determine the portion of current flight hour budget that supports formal fleet aviation training requirements, as well as the other formal and informal operational and/or administrative requirements.

3.6. **Fiscal Year 1996**

SCN: DM-960101
Title: **Determination of Prerequisites for Officer
Program Accessions**
Category: Manpower & Personnel
Classification: Unclassified
Sponsor: HQMC, M&RA
Performing Activity: N/A
Time Frame: Short-Range
Status: Cancelled by sponsor
DTIC No.: Not held by DTIC
Summary:

To determine what is the most appropriate, and most cost-effective officer accession instrument.

SCN: DM-960102
CNA No.: Pending
Title: **Marine Corps Climate Survey Battery Study**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: M&RA, HQMC
Performing Activity: CNA
Time Frame: Short Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

The objective is to develop an Exit Census that determines the factors that influence Marines to leave the Corps after the initial tour. Also to develop separate instruments that determine the factors that influence both enlisted and officer Marines to remain in the Corps after the initial obligated service.

SCN: DM-960103
Title: **Physical Disability Severance Pay
Separations**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC, M&RA
Performing Activity: Naval Health Research Center
Time Frame: Short-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

To examine the problem of enlisted physical disability with severance pay discharges within the Marine Corps in order to identify injury trends leading to such discharges and propose solutions to reduce such instances.

SCN: DM-960105
 CNA No.: CAB 96-20
 Title: **Appropriateness of the New Computerized Adaptive Testing - Armed Services Vocational Aptitude Battery (CAT-ASVAB) Forms**
 Category: Manpower & Personnel
 Classification: Unclassified
 Sponsor: HQMC, M&RA
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed in March 1996
 DTIC No.: Pending
 Summary:

Determines if the current DMDC plan puts the CAT-ASVAB program at risk due to such factors as item exposure, and makes the determination as to whether the current DMDC plan properly addresses MAWPG concerns of test item pool development, test item.

SCN: DM-960106
 CNA No.: Pending
 Title: **Revalidation of the Aviation Selection Test Battery**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: M&RA, HQMC
 Performing Activity: CNA
 Time Frame: Short-Range
 Status: In progress
 DTIC No.: To be assigned upon study completion
 Summary:

This study will evaluate the utility and validity of ASTB in predicting flight school attrition and success.

SCN: DM-960107
 CNA No.: Pending
 Title: **ASVAB Policy Development**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: M&RA, HQMC
 Performing Activity: CNA
 Time Frame: Short-Range
 Status: In progress
 DTIC No.: To be assigned upon study completion
 Summary:

The ASVAB is constantly undergoing revision and updates to provide new test forms (to preclude test compromise), and to incorporate new psychometric concepts. This study provides the Marine Corps with technical representation at the joint-service Manpower Accession Policy Working Group Meetings, and at the Defense Advisory Committee on Military Testing meetings.

SCN: DM-960108
Title: **Analyzing Watchstander Shortages in Marine Security Guard Battalion**
Category: Manpower & Personnel
Classification: Unclassified
Sponsor: MSG BN
Performing Activity: MCCDC, S&A Div
Time Frame: Short-Range
Status: In progress
DTIC No.: To be assigned upon completion
Summary:

This study is to determine the cause of consistent personnel shortages at the MSG Battalion and to determine a methodology for achieving and maintaining watchstanders and Detachment Commanders a Table of Organization strength.

SCN: DM-960110
Title: **Electronics Maintenance Manpower Assessment**
Category: Manpower & Personnel
Classification: Unclassified
Sponsor: MCCDC, Requirements Div
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: Not held by DTIC
Summary:

Analyzes the precise workload responsibilities as prescribed to a particular Military Occupational Skill (MOS) relative to the number of end items assigned to that MOS and the actual numbers of each particular end item being supported by the IMA where that MOS resides.

SCN: DM-960111
CNA No.: Pending
Title: **A Cost/Benefit Analysis of Aging the Aviation Enlisted Force**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: M&RA, HQMC
Performing Activity: CNA
Time Frame: Short-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

The objective is to determine the costs and benefits of retraining/increasing the experience level of the enlisted Marines in specific aviation MOSs.

SCN: DM-960112
Title: Analysis of U. S. Marine Corps General Officer Billet Requirements
Category: Manpower & Personnel
Classification: Unclassified
Sponsor: HQMC, M&RA
Performing Activity: KAPOB
Time Frame: Mid-Range
Status: Completed March 1996
DTIC No.: Pending
Summary:

Conducted an up-to-date, zero-based analysis of USMC general officer billet requirements based upon and extending previously used methodology.

SCN: DM-960113
Title: Analysis of the Whole Person Officer Selection System
Category: Manpower & Personnel
Classification: Unclassified
Sponsor: HQMC, M&RA
Performing Activity: U.S. Naval Academy
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Determines the factors within the domain of the Whole Person Officer Selection System experiment that may predict successful completion of Officer Candidates School and develop a model of the factors that may lead to a new officer accession system.

SCN: DM-960201
Title: Department of the Navy Amphibious Lift and Air Support Requirements - Version III (DoN Lift III)
Category: Concepts & Plans
Classification: Unclassified
Sponsor: CNO/CMC
Performing Activity: USMC/USN Working Group with limited CNA and contractor support
Time Frame: Long-Range
Status: To be initiated in FY97
DTIC No.: To be assigned upon study completion
Summary:

Determines updated amphibious lift and aviation requirements to support future Navy/Marine Corps operational maneuvers from the sea, based on the current strategies and policies. Specific objectives include amphibious lift requirements, support requirements, including air support, and Marine Corps aviation requirements distinct from integrated MAGTF/CVW operation.

SCN: DM-960203
Title: **Mission Area Analysis MA 35 - Command & Control of Aircraft and Missiles**
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MCCDC, WDID
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor pending MAA realignment
DTIC No.: Not held by DTIC
Summary:

To define and describe the Marine Corps mission requirements for command and control of aircraft and missiles for the period FY 1996 to FY 2006.

SCN: DM-960205
Title: **Combined MEF (CMEF) Operational Support**
Category: Concepts & Plans
Classification: Unclassified
Sponsor: I MEF
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: Not held by DTIC
Summary:

To analyze the amphibious shipping requirements and availabilities, logistics support under varying conditions, bridging requirements and capabilities, organization of artillery and engineering assets, and the adequacy of tactical assembly areas for CMEF forces.

SCN: DM-960208
CNA No.: CQR 96-4
Title: **Retention of the Norway Airlanded Marine Expeditionary Brigade (NALMEB)**
Category: Concepts & Plans
Classification: Unclassified
Sponsor: HQMC, PP&O
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed March 1996
DTIC No.: Pending
Summary:

Discusses the future disposition of the USMC equipment prepositioned in Norway and associated with the NALMEB. The study examines the political, military, and budgetary ramifications across a range of options pertaining to the retention of NALMEB.

SCN: DM-960210
CNA No.: Pending
Title: **Developing a Plan to Improve MPF Support for Military Operations Other Than War (MOOTW)**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: I&L, HQMC
Performing Activity: CNA
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

The main objective is to develop a plan for improving MPF in the MOOTW environment, specifically base lining current MPF support capabilities and identify MPF support deficiencies for MOOTW.

SCN: DM-960212
Title: **Research and Management for the Development of Enhanced Operational Concepts, Tactics, Techniques, Procedures, and Doctrine**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC, Doctrine Div.
Performing Activity: COTs
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Provides technical, engineering and analytical assistance, non-personal services in support of the Marine Corps' CBRS and acquisition process. The support shall focus on the development of enhanced operational concepts, tactics, techniques, procedures and doctrine as well as the monitoring and identification of new technologies needed to take the Marine Corps into the 21st century.

SCN: DM-960214
CNA No.: See below
Title: **Complexity Theory and Land Warfare**
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: In Progress
DTIC No.: To be assigned upon study completion
Summary:

Investigates the potential applications of complexity theory and complex adaptive systems research to the representation of land warfare and assesses their general applicability to a broad set of land warfare issues. The following CNA publications have been written:

CIM 461.10: Land Warfare and Complexity, Part I: Mathematical Background and Technical Source book, Unclassified, Jul 96

CRM 96-68: Land Warfare and Complexity, Part II: An Assessment of the Applicability of Nonlinear Dynamic Systems Theory to the Study of Land Warfare, and Complex Unclassified, Jul 96

SCN: DM-960219
Title: **Maneuver Warfare Analysis and Research System Model Software Development Plan**
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MCCDC, S&A Div
Performing Activity: APL
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

To design and develop a model of expeditionary warfare consistent with modern maneuver theory. This model will be used in support of Mission Area Analyses, Analyses of Alternatives (formerly known as Cost and Operational Effectiveness Analyses), and other studies related to the analysis of systems and operational/functional concepts.

SCN: DM-960220
CNA No.: CQR 96-7
Title: **Implementation of JTF Headquarters**
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MARFORLANT
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed March 1996
DTIC No.: Pending
Summary:

Provides an independent and objective analysis of MARFORLANT's implementation plan for the formation of a JTF Headquarters nucleus at MARFORLANT.

SCN: DM-960224
Title: **Marine Corps Warfighting Publication 7-1:
Marine Expeditionary Force Operations**
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MCCDC, MSTP
Performing Activity: COTs
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Develops a doctrinal publication that details the doctrinal principals, tactics, techniques, and procedures for the employment of the MEF through the full spectrum of combat publication bridges MEF level operations from the theoretical to the practical. It shall serve as a primer for Marine and joint officers in educating them about the organization, capabilities, and contributions of the MEF across the full spectrum of operations.

SCN: DM-960225
Title: **Marine Corps Doctrinal Publication 1:
Warfighting**
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MCCDC, Doctrine Div
Performing Activity: COTs
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Provides a comprehensive update of the Marine Corps capstone doctrine for warfighting.

SCN: DM-960226
Title: Marine Corps Doctrinal Publication 0-1:
United States Marine Corps Operations
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MCCDC, MSTP
Performing Activity: COTs
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Provides a doctrinal publication that provides the intellectual transition from the Marine Corps warfighting philosophy of maneuver warfare to the tactics, techniques, and procedures used by Marines to carry out that philosophy.

SCN: DM-960227
Title: Marine Corps Small Wars Manual, Volume II
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MCCDC, Doctrine Div
Performing Activity: COTs
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Provides a companion piece to the Small Wars Manual of 1940 on the conduct of Other Expeditionary Operations and Military Operations Other than War.

SCN: DM-960228
Title: Marine Corps Doctrinal Publication 1-2:
Campaigning
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MCCDC, Doctrine Div
Performing Activity: COTs
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Provides a comprehensive update of the Marine Corps capstone doctrine for campaigning.

SCN: DM-960229
Title: Marine Corps Doctrinal Publication 1-3:
Tactics
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MCCDC, Doctrine Div
Performing Activity: COTs
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Provides a comprehensive revision of the Marine Corps capstone doctrine for tactics.

SCN: DM-960230
Title: Marine Corps Doctrinal Publication 2:
Intelligence
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MCCDC, Doctrine Div
Performing Activity: COTs
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

This manual will provide the basis for development of detailed intelligence doctrine, tactics, techniques, and procedures. It is not intended to be a procedural guide for the intelligence specialist, rather, it establishes a basic philosophy concerning the development and application of intelligence within warfighting and command and control doctrine.

SCN: DM-960231
Title: **Marine Corps Doctrinal Publication 5:
Planning**
Category: Concepts & Plans
Classification: Unclassified
Sponsor: MCCDC, Doctrine Div
Performing Activity: COTs
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Describes the theory and guiding principles of planning as practiced by the Marine Corps. It will provide a conceptual framework for all Marines to understand and practice effective planning activities. Describes planning as a subordinate activity within the process of command and control that supports the requirements of operations and logistics and identifies the close connection between planning and the conduct of war.

SCN: DM-960301
Title: **Reconstitution and Redeployment of USMC
Forces**
Category: Operations & Force Structure
Classification: Unclassified
Sponsor: MCCDC, S&A Div
Performing Activity: Analysis Branch, S&A Division with CNA
assistance
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Identified the tasks and determines the time required to fully reconstitute, redeploy, and employ a MEF from one major regional conflict to another given excursions intended to address the effects of full/partial/no reconstitution and the effect if the force was involved in chemical warfare.

SCN: DM-960302
Title: **Marine Corps Force Structure Assessment**
Category: Operations & Force Structure
Classification: Unclassified
Sponsor: MCCDC, TFS Division
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY97
DTIC No.: To be assigned upon study completion
Summary:

Develops an analytic base line for Marine corps force structure requirements for the near to mid-range across a wider range of threats and strategic requirements than the current Defense Planning Guidance and Bottom-Up Review.

SCN: DM-960303
Title: **Joint/Combined and Interoperability Exercise**
Category: Operations & Force Structure
Classification: Unclassified
Sponsor: MCCDC, CSW Div
Performing Activity: KAPOs
Time Frame: Short-Range
Status: In progress
DTIC No.: To be assigned upon completion
Summary:

To develop a professionally crafted and maintained, regionally focused European Theater interoperability tool (focusing on command and control with associated liaison requirements with joint and combined forces, other governmental agencies, non-governmental organizations, and private volunteer organizations) to prepare our forwarddeployed forces for the extraordinary requirements associated with peace operations.

SCN: DM-960304
CNA No.: Pending
Title: **Alternative 21st Century Basing Options for the Marine Corps in the Pacific**
Category: Operations & Force Structure
Classification: Unclassified
Sponsor: HQMC, PP&O
Performing Activity: CNA
Time Frame: Long-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Investigates alternative strategies for positioning the Marine Corps in WESTPAC beyond the year 2000.

SCN: DM-960305
Title: Operational Maneuver From The Sea
Implementation
Category: Operations & Force Structure
Classification: Unclassified
Sponsor: MCCDC, Concepts Div
Performing Activity: PRC/ASEC
Time Frame: Long-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

This study will develop and/or refine the concepts of employment for the AAV, MV-22 and other naval mobility systems in the context of OMFTS in the 2030 timeframe and the supporting operational and functional concepts.

SCN: DM-960306
Title: Developing Notional MAGTFS
Category: Operations & Force Structure
Classification: Unclassified
Sponsor: HQMC, I&L
Performing Activity: COTs
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

To develop a recommended process by which notional or baseline MAGTFS are identified, produced, and maintained over a multi-year period to meet the needs of the Marine Corps and joint planning community.

SCN: DM-960307
Title: Joint Close Support End to End Assessment
Category: Operations & Force Structure
Classification: Unclassified
Sponsor: MCCDC, WDIID
Performing Activity: MCCDC, S&A Div
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

To review current and programmed close support systems and develop a close support "strategies to tasks" framework and effective mixes of capabilities, systems and munitions, identify improvements required in C4ISR and support DAWMS.

SCN: DM-960401
Title: Decentralization of Class VII from the
Medical Logistics Company to End
Users/Customers: Redefining Initial Issue
and Sustainment of Class VIII
Category: Installations & Logistics
Classification: Unclassified
Sponsor: I MEF
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: Not held by DTIC
Summary:

To examine the implications of decentralizing the holding and management of Class VIII equipment AMALs and of changing procedures for the issue of resupply components and repair of these blocks.

SCN: DM-960402
Title: Fielding of The Combat Breacher Vehicle
Category: Installations & Logistics
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: ASEC
Time Frame: Mid-Range
Status: in progress
DTIC No.: To be assigned upon completion
Summary:

This analysis will consider operational employment, organizational missions, existing and anticipated capabilities of units to employ and support the CBV, maintenance concepts, support and support equipment requirements, manpower and personnel impacts, school and training requirements, facility requirements, and any other employment and logistical considerations to determine the appropriate concept of employment and organizational location for the fielding of the CBV.

SCN: DM-960403
Title: **MEP Generator Requirements Model**
Category: Installations & Logistics
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: MCCDC, S&A Div
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon completion
Summary:

This study was initiated to respond to known deficiencies in the Marine Corps mobile electric power program that had not previously been quantified and to identify methodologies to correct those deficiencies.

SCN: DM-960404
Title: **Using Commercial Transportation to Reduce Inventory**
Category: Installations & Logistics
Classification: Unclassified
Sponsor: HQMC, I&L
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: Not held by DTIC
Summary:

Examines the potential for using commercial transportation, like the Defense Logistics Agency's premium Service Program, to reduce the current inventory of certain Marine Corps material and compares the cost of this support strategy with the cost of the current higher inventory strategy.

SCN: DM-960405
CNA No.: CAB 96-19
Title: **Determining the Marine Corps Inorganic
Aerial Tanking Support Requirement**
Category: Installations & Logistics
Classification: Secret
Sponsor: HQMC, Aviation
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed April 1996
DTIC No.: Pending
Summary:

Exclusive of transoceanic requirements, determines the hose-hours required to support all intra-theater requirements which exceed the organic capability of Marine KC-130 aircraft. All Marine receiver aircraft are considered, including the V-22. Defense Planning Guidance scenarios with two near-simultaneous MRCs are the basis for the assessment.

SCN: DM-960406
Title: **Tactical Materiel Handling Equipment
Capability**
Category: Installations & Logistics
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: ASEC
Time Frame: Mid-Range
Status: Completed August 1996
DTIC No.: Pending
Summary:

Marine Corps Materiel Handling Equipment will reach their end of service life within the FY98-03 Future Years Defense Plan. The need to replace and/or improve our materiel handling capability to support Marine Corps forces is documented in the Mission Need Statements for Materiel Handling Capability.

SCN: DM-960407
CNA No.: Pending
Title: **Capability and Supportability Assessment for
The Marine Aviation Logistics Support
Program**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC, Aviation
Performing Activity: CNA
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

To identify/develop a methodology for determining embarkation requirements for each MALSP package; to determine the amount of strategic airlift and sealift needed to move MALSP support packages under a contingency scenario; to assess shortfalls in current and future lift requirements; and to develop potential alternatives to MALSP that address current shortfalls and identify the characteristics of or enhancements to MALSP required to support OMFTS and provide a greater sea-basing capability.

SCN: DM-960501
Title: **Logistics Vehicle System Replacement (LVSR)
COEA**
Category: Science, Technology, Systems, & Equipment
Classification: Unclassified
Sponsor: MCCDC, Req. Div.
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: Not held by DTIC
Summary:

Defines measures of effectiveness to measure operational capabilities of the acquisition alternatives, examining the effectiveness and life-cycle costs for each.

SCN: DM-960504
Title: **Updating the Cost and Operational Effectiveness Analysis (COEA) for the Medium Tactical Vehicle Re-Manufacturing (MTVR) Program**
Category: Science, Technology, Systems, & Equipment
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: N/A
Time Frame: Mid-Range
Status: Cancelled by sponsor
DTIC No.: Not held by DTIC
Summary:

Updates/revalidates the MTVR COEA cost estimates for the M939A2 (Rebuild) option, to include research, development, test and evaluation, procurement, and operations and support costs.

SCN: DM-960507
Title: **Phase IV of the Joint Advance Strike Technology (JAST) Program Deficiency and Base Case Capability Analysis**
Category: Science, Technology, Systems, & Equipment
Classification: Unclassified
Sponsor: MCCDC, S&A Div
Performing Activity: PRC
Time Frame: Long-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Provides analysis, modeling, simulation and analysis support to identify deficiencies of the current strike warfare weapons systems while assessing the capability of the base case (which all forces are programmed through FY 2001).

SCN: DM-960602
CNA No.: CAB 96-6
Title: **Structuring the USMC Programming Database**
Category: Management
Classification: Unclassified
Sponsor: HQMC, P&R
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed January 1996
DTIC No.: Pending
Summary:

Examines and recommends methods of integrating and structuring the USMC database into the WINPAT system, the database program used by OPNAV in preparing its Program Objectives Memorandum.

SCN: DM-960603
 Title: Upgrading MIIP, MCLLS and the MCAKS Keyword Vocabulary to JEMP, Version 6, Compatibility
 Category: Management
 Classification: Unclassified
 Sponsor: MCCDC, WDID
 Performing Activity: University of Central Florida
 Time Frame: Short-Range
 Status: In progress
 DTIC No.: To be assigned upon study completion
 Summary:

The objective of this effort is to ensure that a fundamental purpose for the design and development of MCLLS, MIPP and MCAKS is maintained by ensuring that the Marine Corps can meet both joint and Marine Corps requirements with a singular after action reporting system.

SCN: DM-960604
 CNA No.: Pending
 Title: Measuring and Predicting Marine Corps Readiness
 Category: Management
 Classification: Unclassified
 Sponsor: HQMC, P&R/PP&O
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: In progress
 DTIC No.: to be assigned upon study completion
 Summary:

Develops management tools for measuring current readiness status and identifies indicators which will alert leaders to impending readiness problems before they occur.

SCN: DM-960701
 Title: National Sysrms Support to MAGTF Operations
 Category: Intelligence
 Classification: Secret
 Sponsor: HQMC, C4I
 Performing Activity: PRC
 Time Frame: Mid-Range
 Status: In progress
 DTIC No.: To be assigned upon study completion
 Summary:

Determines how national systems data satisfies specific mission area information requirements, and the parameters (data, timeliness, dissemination means) under which those requirements are met.

APPENDIX 1

STUDIES CONTROL NUMBERING SYSTEM FY 1992 - 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.