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MARINE CORPS STUDIES CATALOG

Fiscal Year 1992

VOLUME IV

1989 - 1992

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APRIL 1992

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Marine Corps Combat Development Command
Quantico, Virginia 22134-5001

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UNITED STATES MARINE CORPS
MARINE CORPS COMBAT DEVELOPMENT COMMAND
QUANTICO, VIRGINIA 22134-5001

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1. The enclosure is forwarded pursuant to the reference. This catalog provides users with a ready source for reviewing major studies performed within the Marine Corps Studies Program. Included is an alphabetical listing of studies by category, descriptive summaries of each study completed since 1989, and those in an ongoing status.

2. Users of this catalog are encouraged to submit recommended additions, deletions, and any proposed improvements for the catalog to CG, MCCDC (WF13).

M. R. STEELE
By direction

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MARINE CORPS STUDIES CATALOG

VOLUME IV - 1989-1992

CHAPTER 1. INTRODUCTION

1.1. **PURPOSE.** The purpose of the Marine Corps Studies Catalog is to provide a ready source for reviewing studies and analyses that have been undertaken by the Marine Corps or are directly related to the Marine Corps. The Department of Defense (DoD) central data bank, which is maintained by the Defense Technical Information Center (DTIC), is the main DoD source of information for planned, ongoing, and completed studies and analyses. The Marine Corps Studies Catalog is intended to supplement the DTIC data bank; the DTIC data bank and this Marine Corps Studies Catalog should be consulted prior to the initiation of any Marine Corps study or analysis in an effort to avoid unnecessary duplication of other planned, ongoing, or completed studies and analyses. Volume IV of this catalog supplements the previous three volumes which contain study data from 1963 through 1991. Volume IV contains updated information on 1989 through 1991 studies whose status was incomplete when the previous volumes were published in addition to 1992 studies. Further information with regard to the Marine Corps studies system is contained in Marine Corps Order P3902.1A.

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 "DM" for FY 89-90 and "29" commencing in FY 91, 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 has been modified during the period of studies covered by Volume IV to conform with DoD standardization guidance. SCN numbering schemes for specific years can be located as described below:

- | | |
|-----------------|------------|
| (1) 1989 - 1990 | Appendix 1 |
| (2) 1991 - 1992 | Appendix 2 |

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

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

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

- (1) Concepts and Plans
- (2) Installations and Logistics
- (3) Intelligence
- (4) International Security
- (5) Management
- (6) Manpower and Personnel
- (7) Operations and Force Structure
- (8) Science, Technology, Systems and Equipment

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

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

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

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

- (1) Short Range. The current year plus one year.
- (2) Mid-Range. The period commencing at the end of the short-range period and projected ten years.
- (3) Long Range. The period commencing at the end of the midrange period and projected ten years.

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

- (1) Completed. This indicates the study has been completed and approved for publication.
- (2) In progress. The study agency has initiated work on an assigned study and it is ongoing at the time of this catalog's publication.

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

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

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

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

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

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

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

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

1.6. **UPDATE.** The Commanding General, Marine Corps Combat Development Command, Quantico, Virginia 22134-5001 is responsible for the annual update of this catalog. Additions/deletions and/or recommendations should be addressed to:

Commanding General (WF13F)
Marine Corps Combat Development Command
Quantico, VA 22134-5001
Commercial - (703) 640-3235
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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 1989

SCN: DM 890102
CNA No.: CRC 582
Title: Are Satisfaction and Dissatisfaction Really Opposites? Ordered Versus Unordered Models of Satisfaction with Military Life
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed January 1989
DTIC No.: AD-A207607
Summary:

This paper discusses the degree to which satisfaction and dissatisfaction with military life represent directionally opposite aspects of the same basic phenomenon.

SCN: DM 890103
CNA No.: CRM 88-259
Title: Analysis of Data Quality for the Infantry 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 March 1989
DTIC No.: AD-A210126
Summary:

Examination of the quality of data collected for the infantry portion of the Marine Corps Job Performance Measurement Project.

SCN: DM 890104
CNA No.: CRM 88-190
Title: **Physical Fitness of Marine Corps Recruits**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (TRNG)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1989
DTIC No.: AD-A230727
Summary:

Reviews the Physical Fitness Test, estimates the effect of height and weight standards, and forecasts the impact of alternative accession standards on physical fitness.

SCN: DM 890105
CNA No.: CRM 89-16
Title: **Using Attrition Rates in Setting Height-Weight Standards**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (TRNG)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1989
DTIC No.: AD-A224505
Summary:

Evaluation of the relationship between height-weight standards and attrition of Marines within their first term of service.

SCN: DM 890106
CNA No.: CRM 89-114
Title: **Relative Average Recruiting Yields by AFQT Category**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1989
DTIC No.: AD-A223063
Summary:

Calculates the ratio of recruits to population by AFQT category for the fiscal years 1980 to 1987.

SCN: DM 890107
CNA No.: CRM 89-9
Title: **Evaluating Minimum Aptitude Standards**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1989
DTIC No.: AD-A223062
Summary:

An initial effort that focuses on identifying the minimum qualifying aptitude score for assigning recruits to occupational specialties.

SCN: DM 890108
CNA No.: CRM 89-45
Title: **Performance of Basic Infantry Tasks**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1989
DTIC No.: AD-A223251
Summary:

Data from the Marine Corps Job Performance Measurement Project are used to describe the performance level of infantrymen.

SCN: DM 890109
CNA No.: CRM 89-168
Title: **Tradeoffs in Using Alternative Height-Weight Standards**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (TRNG)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1989
DTIC No.: AD-A223555
Summary:

Examines the feasibility of realigning the weight standards of the Marine Corps to make them more equitable between genders without reducing quality standards.

SCN: DM 890110
 CNA No.: CRM 89-230
 Title: **Discharge Reasons for Enlisted Marines:
FY 1979 through FY 1988 Separations**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (M&RA)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed September 1989
 DTIC No.: AD-A2223641
 Summary:

Identifies, by Separation Program Designator (SPD) codes, the reasons for which enlisted regular Marine Corps personnel were discharged between FY 1978 and FY 1988.

SCN: DM 890111
 CNA No.: CIM 58
 Title: **Marine Corps Attrition Interactive Data
Base (MCAID)**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (M&RA)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed September 1989
 DTIC No.: AD-B149541
 Summary:

Documents the Marine Corps Attrition Interactive Data Base that was developed for the Non-End of Active Service (NEAS) Attrition study.

SCN: DM 890201
 Title: **Battlefield Intelligence**
 Category: Intelligence
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: BDM
 Time Frame: Mid-Range
 Status: Completed March 1990
 DTIC No.: AD-B145726
 Summary:

To analyze the importance of tactical deception, intelligence, and counter-intelligence contributions to countering enemy deception and supporting friendly deception.

SCN: DM 890202
Title: Intelligence Tactical Training Situation
Category: Intelligence
Classification: Secret NOFORN
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Short Range
Status: Completed November 1989
DTIC No.: AD-B158722
Summary:

Intelligence Tactical Training Situation developed for the Caribbean.

SCN: DM 890301
Title: Class III Consumption Factors
Category: Installations and Logistics
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: MCCDC
Time Frame: Short Range
Status: Completed December 1989
DTIC No.: AD-B158786
Summary:

Develop analysis plan to determine lubricant requirements for vehicles operating under a variety of conditions.

SCN: DM 890303
CNA No.: CRM 88-181
Title: Air-Defense Requirements for Marine Combat Operations Ashore
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed April 1989
DTIC No.: AD-B165554
Summary:

Reports the results of an examination of air defense and identifies requirements for HAWK, STINGER systems, fighter aircraft, and associated aviation activities.

SCN: DM 890304
 CNA No.: CRM 88-192
 Title: **Aerial Port of Debarkation Operations
During FREEDOM BANNER 2-88**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: 1st MEB and III MEF
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed April 1989
 DTIC No.: AD-B143279
 Summary:

As part of exercise FREEDOM BANNER, the 7th Marine Expeditionary Brigade moved through two aerial ports of debarkation. The differences between operations at NAS Whidbey Island and McCord AFB are examined and recommendations made for future exercises.

SCN: DM 890305
 CNA No.: CRM 89-30
 Title: **CAROLINA COMBAT ACE 1-89 Exercise**
 Category: Operations and Force Structure
 Classification: Confidential
 Sponsor: 2nd MAW
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed April 1989
 DTIC No.: AD-B145286
 Summary:

Presentation of the objectives, mission plans, and reconstruction of exercise CAROLINA COMBAT ACE 1-89.

SCN: DM 890306
 CNA No.: CRM 89-84
 Title: **Analysis Objectives and Data-Collection
Plans for Pre-D-Day SOLID SHIELD 89**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: 2nd MAW
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed April 1989
 DTIC No.: AD-B145297
 Summary:

Presents analysis objectives, measures of effectiveness, and data-collection plans for the pre-D-day phase of exercise SOLID SHIELD 89.

SCN: DM 890307
 CNA No.: CRM 89-71
 Title: Preliminary Time and Cost Analysis for the SEAF
 Category: Concepts and Plans
 Classification: Confidential
 Sponsor: MCCDC
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed June 1989
 DTIC No.: AD-B145214
 Summary:

Examination of the response time and cost of several Sealift Expeditionary Airfield options.

SCN: DM 890308
 CNA No.: CRM 89-170
 Title: An Exploration of the Use of Fuzzy-Set Techniques in Exercise Reconstruction
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: MAWTS-1
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed June 1989
 DTIC No.: AD-B146770
 Summary:

The use of fuzzy-sets and possibility theory for the analysis of nonrandom, imprecise events is explored for possible use in exercise reconstruction.

SCN: DM 890309
 CNA No.: CRM 88-203
 Title: Exercise OCEAN VENTURE 88
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: 6th MEB
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed July 1989
 DTIC No.: AD-B146897
 Summary:

Description of OCEAN VENTURE 88 which involved the offload of two Maritime Prepositioning Ships from MPS Squadron One.

SCN: DM 890310
 CNA No.: CRM 89-155
 Title: **Ship-to-Shore Operations in TEAM SPIRIT 89**
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: 1st MEB and COMPHIBRON 5
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed July 1989
 DTIC No.: AD-B147093
 Summary:

Presents a summary of observations and analyses of ship-to-shore operations conducted during TEAM SPIRIT 89. In addition, the efficiency of LCAC operations is examined.

SCN: DM 890401
 Title: **Marine Corps Wartime Casualty Rates in the Long Range**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: ASEC
 Time Frame: Long Range
 Status: Completed July 1990
 DTIC No.: AD-B158758
 Summary:

Update the LRMDSSS Marine Corps casualty rates, relate them to the mid-range threat scenarios and develop a Marine Corps Medical Planning Module Combat Intensity Guide.

SCN: DM 890402
 CNA No.: CRM 91-53
 Title: **Marine Corps Enlisted Retention**
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (MPP)
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed July 1991
 DTIC No.: AD-B158825
 Summary:

Conduct a thorough analysis of Marine Corps alternatives for retaining high quality career personnel during the next decade.

SCN: DM 890403
 CNA No.: CRM 89-34
 Title: **Stock Rotation Study: Final Report**
 Category: **Installations and Logistics**
 Classification: **Unclassified**
 Sponsor: **HQMC (I&L)**
 Performing Activity: **CNA**
 Time Frame: **Mid-Range**
 Status: **Completed April 1989**
 DTIC No.: **AD-B149597**
 Summary:

Examines additional rotation requirements evaluated in earlier studies and discusses development of a rotation program to best meet the goals of stock rotation.

SCN: DM 890404
 CNA No.: CRM 89-70
 Title: **Marine Corps Material Acquisition and Support**
 Category: **Installations and Logistics**
 Classification: **Unclassified**
 Sponsor: **ACMC**
 Performing Activity: **CNA**
 Time Frame: **Short Range**
 Status: **Completed December 1989**
 DTIC No.: **AD-B143209**
 Summary:

Reviews the way the Marine Corps is currently organized for material acquisition and support and identifies functional overlaps and inefficiencies.

SCN: DM 890601
 Title: **Mission Area Analysis MA 22 - Ground Tactical Mobility/Counter-mobility**
 Category: **Concepts and Plans**
 Classification: **Confidential**
 Sponsor: **MCCDC**
 Performing Activity: **MCCDC**
 Time Frame: **Short Range**
 Status: **Completed December 1989**
 DTIC No.: **Pending**
 Summary:

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

SCN: DM 890602
Title: Mission Area Analysis MA 44 - Engineer
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: MCCDC
Time Frame: Short Range
Status: Completed May 1991
DTIC No.: AD-B159880
Summary:

Assess the MAGTF's engineering support capability to carry-out its combat mission.

SCN: DM 890603
CNA No.: CRM 88-39
Title: LAV-AG Cost and Operational Effectiveness Analysis
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed January 1989
DTIC No.: AD-B148896
Summary:

Evaluates three alternative gun systems for the Light Armored Vehicle Assault Gun (LAV-AG): 75mm, 90mm, and 105mm.

SCN: DM 890701
CNA No.: CRM 88-131
Title: Deep Air Support Requirements for Marine Corps Combat Operations Ashore
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed January 1989
DTIC No.: AD-C126859
Summary:

Identifies the types and examines the number of deep air support missions required to support U.S. Marine Corps combat operations ashore.

SCN: DM 890702
CNA No.: CRM 88-225
Title: Quicklook Analysis of WTI 1-89 Air Defense Exercise
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1989
DTIC No.: AD-C046626
Summary:

MAWTS-1 conducted the Weapons and Tactics Instruction Course 1-89 during October 1988. The Integrated Air Defense System was assessed against a variety of threat aircraft flying at different altitudes and speeds.

SCN: DM 890703
CNA No.: CRM 88-174
Title: Close Air Support and Close-In Fire Support During Combined-Arms Exercises
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1989
DTIC No.: AD-C125531
Summary:

The effectiveness of Close Air Support and Close In Fire Support were evaluated during six Combined-Arms Exercises.

SCN: DM 890704
CNA No.: CRM 89-25
Title: Analysis Objectives and Data-Collection Plans for WTI 2-89 Exercise Support
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1989
DTIC No.: AD-C045728
Summary:

Presents the analysis objectives, measures of effectiveness, and data collection plans for the WTI 2-89 exercises.

SCN: DM 890705
 CNA No.: CRM 88-152
 Title: **Air Transport Needs for Support of Marine Combat Operations**
 Category: Concepts and Plans
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed March 1989
 DTIC No.: AD-B143258
 Summary:

Reports preliminary results for the Marine Aviation Requirements Study, which is identifying MAGTF Air Combat requirements for a mid-intensity conflict in 1995.

SCN: DM 890706
 CNA No.: CRM 88-84
 Title: **Close Air and Close-In Fire Support Requirements for MAGTF Combat Operations Ashore**
 Category: Operations and Force Structure
 Classification: Confidential
 Sponsor: MCCDC
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed May 1989
 DTIC No.: AD-B212459
 Summary:

Analyzes aviation requirements for Close Air and Close-In Fire Support. Results are expressed in terms of numbers of sorties and aircraft required to engage particular target groups.

SCN: DM 890707
 CNA No.: CRM 88-96
 Title: **WTI Air-Defense Exercises: Retrospective Analysis**
 Category: Operations and Force Structure
 Classification: Confidential
 Sponsor: MAWTS-1
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed May 1989
 DTIC No.: AD-B192468
 Summary:

Retrospective study of the exercises conducted in five courses between 1985 and 1987.

SCN: DM 890708
 CNA No.: CRM 89-4
 Title: **Marine Aviation Requirements Study: Final Report**
 Category: Operations and Force Structure
 Classification: Secret
 Sponsor: MCCDC
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed May 1989
 DTIC No.: Pending
 Summary:

Considers aviation support requirements for the Marine Corps during a mid-intensity conflict ashore in the mid 1990's against Soviet-style forces.

SCN: DM 890709
 CNA No.: CRM 89-10
 Title: **WTI 1-89 Air Defense Exercise Reconstruction and Results**
 Category: Operations and Force Structure
 Classification: Confidential
 Sponsor: MAWTS-1
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed June 1989
 DTIC No.: AD-B139852
 Summary:

Presents the concept of employment, analysis objectives, data collection requirements, exercise results, and lessons learned from the WTI 1-89 air-defense exercises.

SCN: DM 890710
 CNA No.: CRM 89-181
 Title: **Analysis of WTI 2-89 Close Air Support**
 Category: Operations and Force Structure
 Classification: Confidential
 Sponsor: MAWTS-1
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed July 1989
 DTIC No.: AD-B267391
 Summary:

Presents results of the close air support portion of the first three offensive air support exercises conducted during WTI 2-89.

SCN: DM 890711
CNA No.: CRM 89-250
Title: **Assessment of Fighter Air Defense During CAROLINA COMBAT ACE 1-89**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: 2nd MAW
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1989
DTIC No.: AD-C131472
Summary:

Fighter air defense was assessed for effective use of resources to man Combat Air Patrol (CAP) stations and the effectiveness of CAP aircraft to detect and intercept raids.

SCN: DM 890712
CNA No.: CRM 89-157
Title: **WTI 2-89 Offensive Antiair Warfare**
Category: Operations and Force Structure
Classification: Confidential
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1989
DTIC No.: AD-C117245
Summary:

Examines reconnaissance and the use of the High-Speed Antiradiation Missile (HARM) for Offensive Antiair Warfare during WTI 2-89.

SCN: DM 890713
CNA No.: CRM 89-294
Title: **Level and Mix of Ground-to-Air Weapon Systems for the Marine Air-Ground Task Force**
Category: Concepts and Plans
Classification: Secret
Sponsor: HQMC (AVN)
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed October 1989
DTIC No.: AD-B175229
Summary:

Examines the appropriate level and mix of ground-to-air weapon systems for the MAGTF.

SCN: DM 890901
Title: Marine Corps Communication Control 1994-2004
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: MCCDC
Performing Activity: SWL
Time Frame: Mid-Range
Status: Completed May 1990
DTIC No.: AD-C013782
Summary:

Assess the technology and management of communications assets in the mid-range to effectively control and protect Marine Corps communications.

SCN: DM 890902
Title: MAGTF Communications/Computer Architecture Study (Phase I)
Category: Science, Technology, Systems and Equipment
Classification: Confidential
Sponsor: MCCDC
Performing Activity: SWL
Time Frame: Mid-Range
Status: Completed March 1990
DTIC No.: Pending
Summary:

Detail the information flow and communications/computer infrastructure required by MAGTF on the battlefield, and to design a comprehensive communications/computer architecture for such an infrastructure.

SCN: DM 891001
Title: Sealift Expeditionary Airfield (SEAF) Study
Category: Concepts and Plans
Classification: Confidential
Sponsor: MCCDC
Performing Activity: ASEC
Time Frame: Short Range
Status: Completed May 1989
DTIC No.: Not held by DTIC
Summary:

To determine the feasibility of operating AV-8 aircraft from commercial-type ships.

SCN: DM 891002
CNA No.: CRM 88-120
Title: **The Advanced Amphibious Assault Vehicle in the Ship-to-Shore Movement**
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed March 1989
DTIC No.: Pending
Summary:

Examination of several of the options to replace the AAV7A1.

SCN: DM 891201
CNA No.: CRM 88-214
Title: **Assessing Armor and Armament Requirements for AAVs**
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed April 1989
DTIC No.: Pending
Summary:

Examines the effect of armor and armament on the standoff distance for the AAV in engagements with lightly armored vehicles, and the ship-to-shore movement of AAVs.

SCN: DM 891203
CNA No.: CRM 89-113
Title: **Analysis of FIREFLEX Appraisals**
Category: Science, Technology, System, and Equipment
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1989
DTIC No.: Pending
Summary:

Analysis of two automated fire support systems.

SCN: DM 891204
CNA No.: CRM 88-241
Title: Heavy Antiarmor Weapon Alternatives
Category: Science, Technology, Systems, and Equipment
Classification: Secret/NOFORN/WNINTEL
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed June 1989
DTIC No.: Not held by DTIC
Summary:

Assessment of cost and effectiveness of concepts that could replace the TOW-2 missile system.

SCN: DM 891205
CNA No.: CRM 89-167
Title: A Comparison of End User Computing Equipment and Army Common Hardware and Software
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1989
DTIC No.: AD-B149485
Summary:

Compares the hardware in the Fleet Marine Force End User Computer Equipment (FMF-EUCE) to the Army Common Hardware and Software (CHS).

SCN: DM 891206
CNA No.: CRM 89-144
Title: Review of Potential AEW Systems for the Marine Corps
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed July 1989
DTIC No.: Not held by DTIC
Summary:

Documents preliminary research on the relative merits of three AEW alternatives: KC-130/APY-2, KC-130/APS-145, and CH-46/SKY MASTER.

SCN: DM 891207
CNA No.: CRM 89-243
Title: **A Comparison of Required Operational Capabilities for Three FIREFLEX Alternatives**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1989
DTIC No.: AD-B207608
Summary:

Compares three alternative fire support systems: the Modified-Fire Support Terminal Digital Message Device.

SCN: DM 891208
CNA No.: CRM 89-228
Title: **Lightweight Howitzer Independent Cost Estimate**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1989
DTIC No.: AD-B132378
Summary:

Presents a life-cycle cost estimate of a LW155 proposed as a replacement for the current towed 155mm howitzer.

SCN: DM 891209
CNA No.: CRM 89-248.10
Title: **Multiple-Launch Rocket System Life-Cycle Cost Estimate**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1989
DTIC No.: AD-B143211
Summary:

Estimates the life-cycle cost for the Marine Corps' acquisition and operation of the Multiple-Launch Rocket System.

SCN: DM 891210
CNA No.: CRM 89-219
Title: The Effectiveness of Ground and Air ESS Configurations
Category: Concepts and Plans
Classification: Secret
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed November 1989
DTIC No.: Pending
Summary:

Discusses the merits of various basing options for ELINT sensing systems: ground-based, air-based, or combination of air- and ground-based systems.

SCN: DM 891301
Title: Mission Area Analysis MA 33 - Assault Support
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: MCCDC
Time Frame: Short Range
Status: Completed July 1989
DTIC No.: B145725
Summary:

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

SCN: DM 891401
Title: MARCORS 1B STOVL Threat Laydown
Category: Concepts and Plans
Classification: Secret NOFORN
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Mid-Range
Status: Completed January 1989
DTIC No.: Pending
Summary:

Provide the aerospace industry with a common general warfare scenario to be used as a threat environment for conceptual designs of a supersonic short takeoff, vertical landing (STOVL) fighter/attack aircraft.

SCN: DM 891501
Title: U.S. Army Low Intensity Conflict
Simulation and Scenario Upgrade and
Development Study
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Short Range
Status: Completed March 1990
DTIC No.: Pending
Summary:

Revision and upgrade of LIC scenarios and simulations.

SCN: DM 891502
Title: Advanced Technology Operational Assessment
Category: Science, Technology, Systems, and
Equipment
Classification: Secret
Sponsor: OUSDA(A)/MCCDC
Performing Activity: BDM
Time Frame: Short Range
Status: Completed April 1991
DTIC No.: Not held by DTIC
Summary:

To provide a comprehensive assessment of Treaty Limited
Equipment definitions of the Conventional Forces in Europe Treaty
to determine possible impacts on current and future U.S. Forces
and programs.

SCN: DM 891801
CNA No.: CRM 88-198
Title: User Fees and Program Costs in Marine
Corps Child Care Centers
Category: Management
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1989
DTIC No.: AD-A223252
Summary:

Review of fees, enrollment loads, and program costs of
Marine Corps child care centers.

SCN: DM 891802
CNA No.: CRM 88-204
Title: Evaluation of the U.S. Marine Corps
Summary Version Life-Cycle Cost Model
(SVLCCM) Algorithms
Category: Management
Classification: Unclassified
Sponsor: HQMC (FDF)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1989
DTIC No.: AD-B208137
Summary:

Description of the algorithms and architecture of the Marine Corps Summary Version Life Cycle Cost Model (SVLCCM).

SCN: DM 891803
CNA No.: CRM 88-206
Title: Evaluation and Modification of U.S. Marine
Corps Summary Version Life-Cycle Cost
Model
Category: Management
Classification: Unclassified
Sponsor: HQMC FDF
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1989
DTIC No.: AD-B143259
Summary:

Summarizes the evaluation and modification of the architecture and algorithms of the original Marine Corps Summary Version Life Cycle Cost Model (SVLCCM).

SCN: DM 891804
CNA No.: CRM 88-226
Title: System Specific ations for the Summary
Version Life-Cycle Cost Model
Category: Management
Classification: Unclassified
Sponsor: HQMC (FDF)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed June 1989
DTIC No.: AD-B143278
Summary:

This research memorandum presents the system specifications for the Summary Version Life-Cycle Cost Model.

SCN: DM 891805
CNA No.: CRM 89-79
Title: Acquisition Management by the Armed Forces
Category: Management
Classification: Unclassified
Sponsor: APMC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed August 1989
DTIC No.: AD-B145640
Summary:

Analyzes the responses of each of the armed forces to various characteristics of an effective acquisition organization.

SCN: DM 891806
CNA No.: CRM 89-315
Title: U.S. Navy Crisis Response Activity, 1946-1989: Preliminary Report
Category: International Security Studies
Classification: Unclassified
Sponsor: OP-06 and HQMC (PP&O)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed November 1989
DTIC No.: AD-A216442
Summary:

Summary of the 187 U.S. Navy responses to international incidents and crises between 1946 and 1989.

3.3. Fiscal Year 1990

SCN: DM 900101
Title: Marine Corps Capabilities
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: HQMC (PP&O)
Performing Activity: BDM
Time Frame: Mid-Range
Status: Terminated February 1991
DTIC No.: N/A
Summary:

Analyze and develop capabilities matrices that accurately depict aggregate utility of Marine Forces as an element of today's naval forces and those in the 1995-1999 time frame.

SCN: DM 900103
Title: FMF Force Module Enhancement
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: FMFPAC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1991
DTIC No.: Pending
Summary:

Development of a methodology to facilitate determination of optimum FMF Force Module configuration.

SCN: DM 900104
Title: Marine Corps Recruiting Study
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed January 1992
DTIC No.: Pending
Summary:

Develop an efficient and flexible recruiting structure and identify management actions and policies that will raise productivity at the recruiting station level.

SCN: DM 900105
CNA No.: CRM 89-103
Title: **Some Issues in the ECAT and CAT-ASVAB Projects**
Category: **Manpower and Personnel**
Classification: **Unclassified**
Sponsor: **HQMC (M&RA)**
Performing Activity: **CNA**
Time Frame: **Short Range**
Status: **Completed February 1990**
DTIC No.: **AD-B145638**
Summary:

Critique of a computerized adaptive-testing version of the ASVAB. Describes ways in which the tests need to be expanded.

SCN: DM 900106
CNA No.: CRM 89-215
Title: **The Role of Aptitude Factors in Predicting Hands-on Job Performance**
Category: **Manpower and Personnel**
Classification: **Unclassified**
Sponsor: **HQMC (M&RA)**
Performing Activity: **CNA**
Time Frame: **Short Range**
Status: **Completed March 1990**
DTIC No.: **AD-B145213**
Summary:

The study disputes the assumption that all the predictive power of the ASVAB arises from its measurement of general cognitive ability. It demonstrates when the criterion is hands-on performance, aptitude factors make statistically and practically significant additions to the variance explained by general cognitive ability.

SCN: DM 900107
CNA No.: CRM 89-234
Title: **Concurrent Versus Enlistment ASVAB in Evaluation of New Tests**
Category: **Manpower and Personnel**
Classification: **Unclassified**
Sponsor: **HQMC (M&RA)**
Performing Activity: **CNA**
Time Frame: **Short Range**
Status: **Completed March 1990**
DTIC No.: **AD-A22893**
Summary:

New kinds of tests are evaluated as potential additions to the ASVAB.

SCN: DM 900108
CNA No.: CRM 89-255
Title: Predicting 21-Month Completion in the USMC
Using the Adaptability Screening Profile
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1990
DTIC No.: AD-B145637
Summary:

Analysis of an adaptability profile which has been developed for possible use in selecting applicants who are likely to complete their service obligations.

SCN: DM 900109
CRM No.: CRM 89-290
Title: Effect of the GT Composite Requirement
on Qualification Rates
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed March 1990
DTIC No.: AD-A222894
Summary:

Analysis of whether recent changes in the definition of the Armed Forces Qualification Test have reduced the supply of eligible Marine Applicants.

SCN: DM 900110
CNA No.: CRM 89-253
Title: Approximations for Three Statistical
Functions
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1990
DTIC No.: AD-B145693
Summary:

Evaluation of the density and cumulative functions of the normal distribution, and logic function relative to the computerized adaptive testing version of the ASVAB.

SCN: DM 900111
 CNA No.: CRM 89-254
 Title: Calculating the Performance Gain Due to Improved Predictive Validity
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (M&RA)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed April 1990
 DTIC No.: Pending
 Summary:

Evaluation of a new proposed selection composite for the ASVAB is evaluated.

SCN: DM 900112
 CNA No.: CRM 89-314.10
 Title: Identifying Successful Marine Corps Recruits
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (M&RA)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed April 1990
 DTIC No.: Pending
 Summary:

The study reviews trends in Marine Corps first-term attrition and provides an analysis of recruit background characteristics.

SCN: DM 900113
 CNA No.: CRM 90-110
 Title: Incremental Validity of New Tests in Prediction of Infantry Performance
 Category: Manpower and Personnel
 Classification: Unclassified
 Sponsor: HQMC (M&RA)
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed July 1990
 DTIC No.: AD-B223064
 Summary:

Investigation of the incremental validity of several tests that were part of the Marine Corps Job Performance Measurement project for the infantry occupational field.

SCN: DM 900114
CNA No.: CRM 89-311
Title: **Methods to Assess the Utility of Proxies**
Category: **Manpower and Personnel**
Classification: **Unclassified**
Sponsor: **HQMC (M&RA)**
Performing Activity: **CNA**
Time Frame: **Short Range**
Status: **Completed August 1990**
DTIC No.: **Pending**
Summary:

Reviews methods for quantifying the tradeoffs between using proxy measures of job performance versus the established benchmark criterion of hands-on performance tests.

SCN: DM 900115
CNA No.: CRM 90-47
Title: **An Assessment of Surrogates for Hands-On Tests: Selection Standards and Training Needs**
Category: **Manpower and Personnel**
Classification: **Unclassified**
Sponsor: **HQMC (M&RA)**
Performing Activity: **CNA**
Time Frame: **Short Range**
Status: **Completed August 1990**
DTIC No.: **Pending**
Summary:

Job Performance Measurement data is used to analyze the usefulness of six surrogates for infantry tests.

SCN: DM 900116
CNA No.: CRM 90-62
Title: **Length of Time in the Delay-Entry Program and Its Effect on Marine Corps First-Term Survival**
Category: **Manpower and Personnel**
Classification: **Unclassified**
Sponsor: **HQMC (M&RA)**
Performing Activity: **CNA**
Time Frame: **Short Range**
Status: **Completed August 1990**
DTIC No.: **Pending**
Summary:

Examines the effects of length of time in the Delayed Entry Program (DEP) on 6- and 45-month active-duty survival rates for male and female Marines entering the Marine Corps in FY 1984.

SCN: DM 900117
CNA No.: CRM 90-17
Title: **Enlisted Women in the Marine Corps:
First-Term Attrition and Long-Term
Retention**
Category: **Manpower and Personnel**
Classification: **Unclassified**
Sponsor: **HQMC (M&RA)**
Performing Activity: **CNA**
Time Frame: **Short Range**
Status: **Completed August 1990**
DTIC No.: **AD-B213876**
Summary:

Provides an overview of gender differences in the continuation rates.

SCN: DM 900118
CNA No.: CRM 90-55
Title: **Alternative Measures of Rifle Skills**
Category: **Manpower and Personnel**
Classification: **Unclassified**
Sponsor: **HQMC (M&RA)**
Performing Activity: **CNA**
Time Frame: **Short Range**
Status: **Completed September 1990**
DTIC No.: **Pending**
Summary:

Addresses issues related to the use of alternative and surrogate tests of the skills associated with rifle firing.

SCN: DM 900201
Title: **Conventional Forces in Europe
Treaty Limited Equipment (TLE)
Reference Book**
Category: **Intelligence**
Classification: **Secret**
Sponsor: **OUSDA (A)/MCCDC**
Performing Activity: **BDM**
Time Frame: **Short Range**
Status: **Completed March 1991**
DTIC No.: **Not held by DTIC**
Summary:

Description of U.S. and Soviet equipment which is limited by the provisions of the treaty on Conventional Armed Forces in Europe (CFE). Volumes 1-4 unclassified/Volume 5 classified.

SCN: DM 900301
Title: Planning Factors Approach (Phases 1 & 2)
Category: Installations and Logistics
Classification: Unclassified
Sponsor: MCCDC/HQMC (I&L/R&P)
Performing Activity: Internal Marine Corps Working Group
 (Phase 1)/CNA (Phase 2)
Time Frame: Mid-Range
Status: Phase 1 completed October 1991/Phase 2 in
 progress
DTIC No.: Pending
Summary:

Generate a core of general axiomatic statements about planning factor usage in the Marine Corps. Develop a methodology for determining planning factors for all classes of supplies and reconcile the competing needs of both acquisition issues for the POM and sustainability issues for MAGTF planners.

SCN: DM 900303
Title: Desert Shield/Storm Reconstruction
Category: Concepts and Plans
Classification: Secret
Sponsor: OP-08
Performing Activity: CNA
Time Frame: Short Range
Status: Staffing
DTIC No.: Pending
Summary:

Construct a comprehensive, flexible, and readily useable data base on the U.S. response to the Iraqi invasion of Kuwait. The data base will focus on the role and activity of U.S. Maritime Forces in that response, but will include extensive data on the joint and combined (multinational) force aspects of the response.

SCN: DM 900304
Title: The Marine Corps - Today and Tomorrow
Category: Concepts and Plans
Classification: Unclassified
Sponsor: HQMC (R&P)
Performing Activity: ASEC
Time Frame: Mid-Range
Status: Completed December 1991
DTIC No.: Pending
Summary:

Document major Marine Corps policy decisions that occurred during the period 1987-1990 which refocused and enhanced Marine Corps expeditionary capabilities. Project Marine Corps capabilities in the year 2000.

SCN: DM 900305
 Title: Crisis Interaction Requirements
 Category: Concepts and Plans
 Classification: Secret
 Sponsor: HQMC (PP&O)
 Performing Activity: KAPOs Associates
 Time Frame: Mid-Range
 Status: Staffing
 DTIC No.: Pending
 Summary:

To develop training tools which can be used in regional scenarios involving forward deployed MEUS (SOC) and JSOC forces; validating through wargame the attendant mission assignment changes and consequent impact on "hand-off" procedures, integration of C3I, and combat support which would be required in IEHR.

SCN: DM 900306
 CNA No.: CRM 89-272
 Title: Analysis of Pre-D-Day Activities of Exercise SOLID SHIELD 89
 Category: Operations and Force Structure
 Classification: Confidential
 Sponsor: 2nd MAW
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed February 1990
 DTIC No.: Pending
 Summary:

Presents a reconstruction of 2nd MAW's activities in the opening phases of SOLID SHIELD 89 and discusses the results and lessons learned.

SCN: DM 900307
 CNA No.: CRM 90-172
 Title: MPF Operations in Exercise AHUAS TARA 90
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: II MEF
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed August 1990
 DTIC No.: AD-B130946
 Summary:

Analysis of the 6th MEB's operations in Exercise AHUAS TARA 90 with emphasis on Roll-On/Roll-Off operations.

SCN: DM 900401
 Title: Expeditionary CSS
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: ASEC
 Time Frame: Mid-Range
 Status: In progress
 DTIC No.: To be assigned upon study completion
 Summary:

Determine the logistical tasks and CSS functions and sub-functions required to support the four types of MAGTFs (MEF, MEB, MEU, SPF). Identify expeditionary CSS shortfalls and deficiencies in organization, doctrine, concepts, equipment, facilities, and training.

SCN: DM 900402
 CNA No.: CRM 90-3
 Title: Initial Activation of West Coast T-AVB
 Category: Science, Technology, Systems, and Equipment
 Classification: Unclassified
 Sponsor: I MEF
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed April 1990
 DTIC No.: Pending
 Summary:

Description of the operation and estimated load-out times of the Aviation Logistics Support Ship USNS Curtiss.

SCN: DM 900403
 CNA No.: CRM 90-69
 Title: MAGTF Bulk Fuel Requirements
 Category: Operations and Force Structure
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: CNA
 Time Frame: Short Range
 Status: Completed July 1990
 DTIC No.: Pending
 Summary:

Evaluation of the problems associated with supplying petroleum, oil, and lubricants to MAGTFs in likely, future wartime scenarios.

SCN: DM 900404
Title: **Expeditionary CSS**
Category: Operations and Force Structure
Classification: Secret
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Canceled
DTIC No.: N/A
Summary:

Determine expeditionary CSS requirements in support of MAGTFs employed in a number of roles under a variety of conflict situations. Compare expeditionary CSS requirements against current and programmed Marine Corps CSS capability.

SCN: DM 900405
Title: **Marine Corps Ground Ammunition War Material Requirements**
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: ASEC
Time Frame: Mid-Range
Status: Completed September 1991
DTIC No.: AD-B159883L
Summary:

To determine through MCARMS methodology, mobilization requirements and combat planning factors for Class V(W) for the Marine Corps.

SCN: DM 900406
Title: **MAGTF Bulk Fuel Requirements**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed July 1990
DTIC No.: Pending
Summary:

Identify actual fuel usage of the various MAGTFs conducting operations in various scenarios through a survey of selected exercises conducted by FMF units.

SCN: DM 900407
CNA No.: CRM 90-192
Title: T-AVB Support of Marine Corps Force Modules
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: FMFPAC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed September 1990
DTIC No.: Pending
Summary:

Examination of T-AVB time lines for four Marine Corps force modules.

SCN: DM 900501
CNA No.: CIM 118
Title: The Marine Corps Professional Reading Program - Implementation Ideas
Category: Concepts and Plans
Classification: Unclassified
Sponsor: FMFPAC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed October 1990
DTIC No.: Pending
Summary:

Discusses the implementation of the Marine Corps Professional Reading Program.

SCN: DM 900701
Title: MAGTF Integrated Air Defense Study
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: PRC
Time Frame: Long Range
Status: Staffing
DTIC No.: Pending
Summary:

Identify potential deficiencies in doctrine, organization, training/education and equipment of the Marine Corps' air defense capabilities.

SCN: DM 900702
Title: **CASS Portable Test Set (CPTS) Cost and Operational Analysis**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: HQMC (ASL)
Performing Activity: CNA
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Identify possible CPTS alternatives which meet the needs of the Marine Corps operational requirements. Conduct a Cost and Operational Effectiveness Analysis (COEA) on the CPTS alternatives to identify their cost, risk and deployability.

SCN: DM 900703
Title: **Marine Corps Aviation Combat Element**
Category: Concepts and Plans
Classification: Secret
Sponsor: HQMC (APP)
Performing Activity: CNA
Time Frame: Long Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

Assist in developing a long range aviation plan for the USMC, addressing the changing threat and capitalizing on evolving technology and new systems to identify the best replacements for the current aircraft inventory.

SCN: DM 900704
CNA No.: CRM 89-227
Title: **MAGTF Aviation Requirements**
Category: Operations and Force Structure
Classification: Secret
Sponsor: HQMC (PP&O) and OP-07
Performing Activity: CNA
Time Frame: Short Range
Status: Completed January 1990
DTIC No.: Pending
Summary:

Analysis of the types and numbers of aviation missions needed to support a Marine Expeditionary Brigade are identified.

SCN: DM 900705
CNA No.: CRM 90-101
Title: Assault Support Operations Against an Integrated Air Defense System During WTI-90
Category: Operations and Force Structure
Classification: Secret
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1990
DTIC No.: Pending
Summary:

Results and lessons learned from an exercise which featured assault support forces penetrating an Integrated Air Defense System.

SCN: DM 900706
CNA No.: CRM 90-61
Title: A Structure for Marine Corps Antiradiation Missile (ARM) Analysis
Category: Concepts and Plans
Classification: Secret/NOFORN
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1990
DTIC No.: Pending
Summary:

Develops a methodology to assist the Marine Corps in deciding what mix of Antiradiation Missiles (ARMS) to procure.

SCN: DM 900901
Title: C3 Comparison Methodology
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: Naval Postgraduate School
Time Frame: Short Range
Status: Completed July 1991
DTIC No.: Not held by DTIC
Summary:

Development of a methodology to facilitate comparison of alternative C3 architecture based on measures of effectiveness which are accessible through available data. C3 Comparison Model available at the C4I Section, P&R Branch, MCCDC.

SCN: DM 901001
Title: High Speed Transporter (HST)
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: NAVSEASYS COM (PMS-310)
Performing Activity: ASEC
Time Frame: Mid-Range
Status: Completed December 1990
DTIC No.: B156155L
Summary:

Develop and procure a cost-effective, state-of-the-art system to replace the existing AAV7A1 series of assault amphibians.

SCN: DM 901002
CNA No.: CRM 89-262
Title: Ship-to-Shore Movement of the Assault Follow-on Echelon
Category: Concepts and Plans
Classification: Unclassified
Sponsor: HQMC (PP&O) and OP-07
Performing Activity: CNA
Time Frame: Short Range
Status: Completed February 1990
DTIC No.: Pending
Summary:

Presents the results of the Assault Follow-On Echelon (AFOE) ship-to-shore movement study.

SCN: DM 901003
CNA No.: CRM 90-96
Title: Advanced Amphibious Assault (AAA) Program COEA
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Long Range
Status: Completed July 1990
DTIC No.: Pending
Summary:

Presents the results of the Advanced Amphibious Assault ship-to-shore performance analysis for a MEF. Specifies the amount of time required to move an MEF equipped with the different AAV alternatives ashore.

SCN: DM 901101
Title: Marine Corps LIC Employment by the Unified CINCs
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: Internal Marine Corps Working Group
Time Frame: Mid-Range
Status: Canceled
DTIC No.: Not held by DTIC
Summary:

To compare CINC low intensity conflict (LIC) and counternarcotics campaign, operations, and contingency plans with the capabilities and deficiencies identified in the MAGTF Master Plan.

SCN: DM 901201
Title: Long Range Technology Assessment
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Long Range
Status: Completed September 1991
DTIC No.: AD-B158126 (Vol I)
AD-C958676 (Vol II)

Summary:

To conduct a projected technology assessment covering the period 2011-2021 in support of the Marine Corps' Long Range Plan.

SCN: DM 901202
Title: Tactical Directed Energy Warfare (TDEW)
Category: Science, Technology, Systems, and Equipment
Classification: Secret/NOFORN
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Long Range
Status: Completed December 1991
DTIC No.: AD-C958907L
Summary:

To provide a capability to protect USMC personnel and equipment from the threats and hazards of battlefield lasers and to conduct battlefield surveillance to detect, warn, and counter the enemy's use of lasers.

SCN: DM 901203
CNA No.: CRM 89-287
Title: **Analysis of ELINT Support System (ESS) Alternatives**
Category: Science, Technology, Systems, and Equipment
Classification: Secret/NOFORN
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed February 1990
DTIC No.: Pending
Summary:

Analyzes alternatives for meeting the Marine Corps' requirement for an electronic support system.

SCN: DM 901204
CNA No.: CRM 90-13
Title: **IADEX 1-90: Use of Information From Nonorganic Sources by the Integrated Air Defense System**
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: 2nd MAW
Performing Activity: CNA
Time Frame: Short Range
Status: Completed April 1990
DTIC No.: Pending
Summary:

Description of an experimental architecture which collected information from nonorganic sources and integrated it.

SCN: DM 901205
CNA No.: CRM 90-82
Title: **Unclassified Report of the Use of Nonorganic Sources by the Integrated Air Defense System in IADEx 1-90**
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: 2nd MAW
Performing Activity: CNA
Time Frame: Short Range
Status: Completed May 1990
DTIC No.: Pending
Summary:

Unclassified report of DM 901204.

SCN: DM 901206
CNA No.: 90-48
Title: Comparison of Two Cueing Systems for LAAD Teams
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: MAWTS-1
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1990
DTIC No.: Pending
Summary:

Results of a comparison of two cueing systems for Low-Altitude Air Defense teams.

SCN: DM 901207
CNA No.: CRM 90-138
Title: Advanced Amphibious Assault Program Cost and Operational Effectiveness Analysis: Performance Analysis
Category: Science, Technology, Systems, and Equipment
Classification: Secret/PROPIN
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1990
DTIC: Pending
Summary:

Compares the Advanced Amphibious Assault (AAA) program alternatives with respect to several performance parameters.

SCN: DM 901208
CNA No.: CRM 90-223
Title: Analysis of Interim Fireflex Systems
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MARCORSYSCOM and MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1990
DTIC No.: Pending
Summary:

Examines interim fireflex systems' functionality, risk, schedule, supportability, growth potential, and cost.

SCN: DM 901209
 CNA No.: CRM 90-179
 Title: AAA Program COEA: Force Effectiveness
 Category: Science, Technology, Systems, and Equipment
 Classification: Secret/NOFORN
 Sponsor: MARCORSYSCOM
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed October 1990
 DTIC No.: Pending
 Summary:

Description of the effectiveness analysis portion of the Advanced Amphibious Assault program.

SCN: DM 901210
 CNA No.: CIM 123
 Title: Detailed Attrition Data for the AAA Program Cost and Operational Effectiveness Analysis
 Category: Science, Technology, Systems, and Equipment
 Classification: Secret
 Sponsor: MARCORSYSCOM
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed October 1990
 DTIC No.: Not held by DTIC
 Summary:

Description of the data used in the effectiveness analysis and the methodology employed to calculate data in the Amphibious Warfare Model.

SCN: DM 901211
 CNA No.: CRM 90-106
 Title: AAA Program COEA: Ship-to-Shore Supporting Analysis
 Category: Science, Technology, Systems, and Equipment
 Classification: Confidential
 Sponsor: MARCORSYSCOM
 Performing Activity: CNA
 Time Frame: Mid-Range
 Status: Completed November 1990
 DTIC No.: Pending
 Summary:

Provides the detailed data that supports a previously published study.

SCN: DM 901302
 Title: Mission Area Analysis MA12 - Intelligence
 Category: Concepts and Plans
 Classification: Secret
 Sponsor: MCCDC
 Performing Activity: Internal Marine Corps Working Group
 Time Frame: Mid-Range
 Status: Completed May 1991
 DTIC No.: AD-B159732
 Summary:

Define and describe the USMC mission requirements for intelligence in the period FY 92-97, identify and assess present and programmed capabilities which contribute to mission accomplishment, and identify and prioritize deficiencies.

SCN: DM 901501
 Title: Low Intensity Conflict Simulation
 Development
 Category: Concepts and Plans
 Classification: Unclassified
 Sponsor: CATA/MCCDC
 Performing Activity: BDM
 Time Frame: Short Range
 Status: Completed August 1991
 DTIC No.: Pending
 Summary:

To provide simulation design, scenario development and upgrade, automation development, training document development, and analytical support in the development of a simulation appropriate to a Low Intensity Conflict environment.

SCN: DM 901801
 Title: Marine Corps Studies Information System
 Category: Management
 Classification: Unclassified
 Sponsor: MCCDC
 Performing Activity: Defense Training and Performance Data
 Center
 Time Frame: Short Range
 Status: In progress
 DTIC No.: To be assigned upon study completion
 Summary:

Investigate the feasibility of the design and development of an automated data base management system for the input, tracking, and analysis of the Marine Corps Study System.

SCN: DM 901802
Title: Marine Corps Combat Development Command
Analysis Study (Phase I)
Category: Management
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: BDM
Time Frame: Mid-Range
Status: Completed May 1990
DTIC No.: AD-B160173
Summary:

Analyze the Marine Air-Ground Training and Education Center (MAGTEC) organizational structure and procedures to identify a method to align and enhance Marine Corps-wide training responsibilities and resource allocation.

SCN: DM 901803
CNA No.: CIM 132
Title: A Sampling of U.S. Naval Humanitarian
Operations
Category: International Security
Classification: Unclassified
Sponsor: HQMC (PP&O) and (OP-06)
Performing Activity: CNA
Time Frame: Short Range
Status: Completed November 1990
DTIC No.: Pending
Summary:

Provides a sampling of U.S. Naval humanitarian operations over the past four decades.

3.4. Fiscal Year 1991

SCN: 29-910101
Title: USMC Manpower, Personnel, and Training
(MPT) Course Analysis and Development
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: PRC
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-910102
Title: **Casualty Rate Estimation**
Category: **Manpower and Personnel**
Classification: **Unclassified**
Sponsor: **HQMC (MPP)**
Performing Activity: **ASEC**
Time Frame: **Mid-Range**
Status: **In progress**
DTIC No.: **To be assigned upon study completion**
Summary:

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

SCN: 29-910103
Title: **Revision of Manpower Requirements Determination Program (MRDP)**
Category: **Manpower and Personnel**
Classification: **Unclassified**
Sponsor: **HQMC (M&RA)**
Performing Activity: **PRC**
Time Frame: **Mid-Range**
Status: **In progress**
DTIC No.: **To be assigned upon study completion**
Summary:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SCN: 29-910117
CNA No.: CIM 145
Title: **USMC Training: An Overview**
Category: **Manpower and Personnel**
Classification: **Unclassified**
Sponsor: **MCCDC**
Performing Activity: **CNA**
Status: **Completed June 1991**
DTIC No.: **Pending**
Summary:

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

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

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

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

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

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

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

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

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

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

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

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

Documents the accession cohort data system maintained by CNA.

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

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

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

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

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

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

SCN: 29-910127
Title: **Marine Corps Training Concepts, Issues, and Analyses**
Category: Manpower and Personnel
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1991
DTIC No.: Pending
Summary:

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

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

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

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

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

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

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

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

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

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

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

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

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

SCN: 29-910201
Title: Mission Area Analysis MA 23 - Close Combat
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: Internal Marine Corps Working Group
Time Frame: Mid-Range
Status: Completed June 1991
DTIC No.: Pending
Summary:

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

SCN: 29-910202
Title: Command and Control Concept for Maneuver Warfare and Over-the-Horizon (OTH) Operations
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: PRC
Time Frame: Long Range
Status: Staffing
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-910203
Title: MAGTF Operations in an NBC Environment
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: PRC
Time Frame: Mid-Range
Status: Canceled
DTIC No.: Not held by DTIC
Summary:

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

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

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

SCN: 29-910207
Title: Mission Area Analysis MA 70 - Manpower
Category: Concepts and Plans
Classification: Unclassified
Sponsor: HQMC (M&RA)
Performing Activity: PRC
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-910208
Title: NorthEast Asia Scenario
Category: Concepts and Plans
Classification: Secret
Sponsor: MCCDC
Performing Activity: TRADOC
Time Frame: Long Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

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

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

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

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

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

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

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

SCN: 29-910212
CNA No.: CRM 91-128
Title: Marine Corps Training Ammunition
Requirements Study: Extension
for Mobilization Training
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MAGTEC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed July 1991
DTIC No.: Pending
Summary:

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

SCN: 29-910301
Title: **The Marine Corps Model**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: Internal Marine Corps Working Group
(Phase I)
Contractor-TBD (Phase II)
Time Frame: Mid-Range
Status: Canceled
DTIC No.: Not held by DTIC
Summary:

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

SCN: 29-910302
Title: **Measures of Effectiveness for Marine Corps Readiness and Sustainability**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: HQMC (LPM)
Performing Activity: PRC
Time Frame: Long Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

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

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

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

SCN: 29-910304
Title: **Automation of the Marine Corps Health Service Support (HSS) for Use Within the Combat Service Support TSS**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: CASCOD
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-910305
Title: **Marine Corps Aviation Mishap Rate Assessment**
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: HQMC (ASA)
Performing Activity: ASEC
Time Frame: Short Range
Status: Staffing
DTIC No.: To be assigned upon study completion
Summary:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SCN: 29-910401
Title: Command Religious Program Logistics in
 Combat (1991-2000)
Category: Installations and Logistics
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: Internal Marine Corps Working Group
Time Frame: Mid-Range
Status: Staffing
DTIC No.: To be assigned upon study completion
Summary:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SCN: 29-910501
Title: **Mines/Minelaying and Countermines Requirements for the Mid-Range**
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: MCCDC
Performing Activity: PRC
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-910502
Title: Unmanned Ground Vehicles (UGV)
Category: Science, Technology, Systems, and Equipment
Classification: Secret
Sponsor: Unmanned Ground Vehicle Joint Project Officer
Performing Activity: AMSAA
Time Frame: Long Range
Status: Staffing
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-910503
Title: Night Enhancement Capabilities for MAGTF Close Combat Operations
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: MCCDC
Performing Activity: PRC
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-910504
Title: Small Arms Master Plan
Category: Science, Technology, Systems, and Equipment
Classification: Confidential
Sponsor: MARCORSYSCOM
Performing Activity: Radian
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

SCN: 29-910601
Title: Wargaming in Support of the POM Process
Category: Management
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: DDI
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-910602
CNA No.: CIM 134
Title: User's Manual for the Marine Corps Training Ammunition Requirements Management System (TARMS)
Category: Management
Classification: Unclassified
Sponsor: MAGTEC
Performing Activity: CNA
Time Frame: Short Range
Status: Completed July 1991
DTIC No.: Pending
Summary:

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

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

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

SCN: 29-910604
CNA No.: CIM 156
Title: **TARMS User's Guide: Extension for Mobilization Management**
Category: Management
Classification: Unclassified
Sponsor: MAGTEC
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed September 1991
DTIC No.: Pending
Summary:

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

SCN: 29-910701
Title: **Intelligence Systems Architecture Assessment**
Category: Intelligence
Classification: Unclassified
Sponsor: MARCORSYSCOM
Performing Activity: CNA
Time Frame: Mid-Range
Status: Completed October 1991
DTIC No.: Pending
Summary:

An assessment of the overall Marine Corps Intelligence Systems Architecture employed to support a MAGTF during operations afloat and ashore.

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

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

SCN:	29-910802
CNA No.:	CRM 90-246
Title:	The Use of Naval Forces in the Post-War Era: U.S. Navy and U.S. Marine Corps Crisis Response Activity 1946 - 1989
Category:	International Security
Classification:	Unclassified
Sponsor:	HQMC (PP&O) and OP-06
Performing Activity:	CNA
Time Frame:	N/A
Status:	Completed February 1991
DTIC No.:	Pending
Summary:	

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

3.5. Fiscal Year 1992

SCN:	29-920101
CNA No.:	TBD
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:	In progress
DTIC No.:	To be assigned upon study completion
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: **In progress**
DTIC No.: **To be assigned upon study completion**
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: 29-920201
CNA No.: **TBD**
Title: **Mission Area Analysis MA 60 - Training**
Category: **Concepts and Plans**
Classification: **Unclassified**
Sponsor: **MCCDC**
Performing Activity: **CNA**
Time Frame: **Mid-Range**
Status: **In progress**
DTIC No.: **To be assigned upon study completion**
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: 29-920202
Title: **Mission Area Analysis MA 11 - Command and Control**
Category: **Concepts and Plans**
Classification: **TBD**
Sponsor: **MCCDC**
Performing Activity: **TBD**
Time Frame: **Mid-Range**
Status: **To be initiated in FY92**
DTIC No.: **To be assigned upon study completion**
Summary:

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

SCN: 29-920203
Title: Mission Area Analysis MA 15 - Special Operations
Category: Concepts and Plans
Classification: TBD
Sponsor: MCCDC
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-920204
Title: Mission Area Analysis MA 24 - Fire Support
Category: Concepts and Plans
Classification: TBD
Sponsor: MCCDC
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-920205
Title: Mission Area Analysis MA 13 - Security
Category: Concepts and Plans
Classification: TBD
Sponsor: MCCDC
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-920206
Title: **Mission Area Analysis MA 45 - Health Services**
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
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: 29-920207
Title: **Mission Area Analysis MA 36 - Electronic Warfare**
Category: Concepts and Plans
Classification: TBD
Sponsor: MCCDC
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

Addresses those capabilities required to determine, exploit, reduce or prevent hostile use of the electromagnetic spectrum.

SCN: 29-920208
Title: **Mission Area Analysis MAs 41 and 42 - Supply and Maintenance**
Category: Concepts and Plans
Classification: TBD
Sponsor: MCCDC
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
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: 29-920209
Title: Mission Area Analysis MA 46 - Services
Category: Concepts and Plans
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-920210
Title: Marine Corps Scenario Development
Category: Concepts and Plans
Classification: Secret/NOFORN
Sponsor: MCCDC/HQMC (INTEL)
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
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: 29-920301
CNA No.: TBD
Title: FMF Force Structure Determination Model
Category: Operations and Force Structure
Classification: Unclassified
Sponsor: FMFPAC
Performing Activity: CNA
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
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: TBD
Sponsor: FMFPAC
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

To identify the optimum manning and equipment for each CEB.

SCN: 29-920303
Title: **Crisis Interaction Requirements Study (CIRS) - Phase II**
Category: Operations and Force Structure
Classification: Secret
Sponsor: HQMC (SO/LIC, PP&O)
Performing Activity: KAPOS Associates
Time Frame: Mid-Range
Status: In progress
DTIC No.: Special project - DTIC No. not assigned
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: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

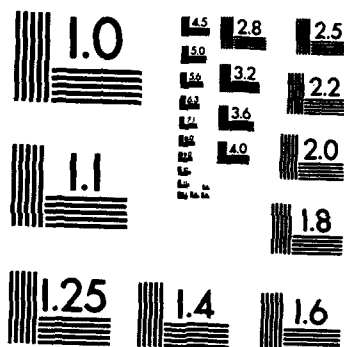
Improve continuity of medical care, planning, evacuation, regulating, responsiveness, and logistics throughout the MAGTF. Investigate the options of restructuring the medical services under a medical command (Medical Service Support Element).

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 STANDARD REFERENCE MATERIAL 1010a
 (ANSI and ISO TEST CHART No. 2)

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: In progress
DTIC No.: To be assigned upon study completion
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: Secret
Sponsor: MAGTEC
Performing Activity: ASEC
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
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
Performing Activity: TBD
Time Frame: Long Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
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.: TBD
Title: **Validation and Maintenance of the Logistic Factors File (LFF) for the Marine Corps**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: HQMC (I&L)
Performing Activity: CNA
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-920405
CNA No.: TBD
Title: **Use of Alternate Support to Perform Maintenance that is Beyond Inherent Command Capabilities**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: MCAGCC
Performing Activity: CNA
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-920406
Title: **Amphibious Warfare School CSS Sustainment and Supportability Capabilities**
Category: Installations and Logistics
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: ASEC
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
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 (WFC)
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
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: 29-920501
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: In progress
DTIC No.: To be assigned upon study completion
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.: TBD
Title: Simulation Offset to Live-Fire Training
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: MAGTEC
Performing Activity: CNA
Time Frame: Mid-Range
Status: In progress
DTIC No.: To be assigned upon study completion
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
Title: LAV-Air Defense (AD) COEA
Category: Science, Technology, Systems, and Equipment
Classification: TBD
Sponsor: LAVPM
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
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: Secret
Sponsor: MCCDC
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

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

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

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

SCN: 29-920507
CNA No.: TBD
Title: USMC Requirements for Air Tactical Refueling Beyond the Year 2005
Category: Science, Technology, Systems, and Equipment
Classification: Unclassified
Sponsor: HQMC (APW)
Performing Activity: CNA
Time Frame: Long Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-920601
Title: Marine Corps Lessons Learned System
Category: Management
Classification: Unclassified
Sponsor: MCCDC
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
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: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
Summary:

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

SCN: 29-920701
Title: Inter-Agency Terrorism Response Awareness Program
Category: Intelligence
Classification: TBD
Sponsor: ASD (SOLIC)
Performing Activity: KAPOS
Time Frame: Short Range
Status: In progress
DTIC No.: Special Access Program - No number will be assigned
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: In progress
DTIC No.: To be assigned upon study completion
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: In progress
DTIC No.: To be assigned upon study completion
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
Title: Overview of Mission Area Factors for
Planning and Programming of Expeditionary
Operations
Category: Intelligence
Classification: Secret NOFORN
Sponsor: HQMC (INTEL)
Performing Activity: TBD
Time Frame: Mid-Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
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: Intelligence
Classification: Confidential
Sponsor: HQMC (C4I2)
Performing Activity: TBD
Time Frame: Short Range
Status: To be initiated in FY92
DTIC No.: To be assigned upon study completion
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 (MIIDS/IDB) and/or other classified and open source data bases.

APPENDIX 1

STUDIES CONTROL NUMBERING SYSTEM FY 1989 - 1990

1. All SCNs contain the Marine Corps DTIC accession indicator "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/Personnel/Force Structure
- 02 = Intelligence
- 03 = Operations/Plans/Scenarios
- 04 = Combat Service Support (I&L)
- 05 = Training
- 06 = Ground Combat
- 07 = Aviation
- 08 = Medical
- 09 = Command, Control, Communications
- 10 = Amphibious Warfare
- 11 = Special Operations/Security
- 12 = Science and Technology (R&D)
- 13 = Mission Area Analysis
- 14 = Navy Sponsored Study
- 15 = Army Sponsored Study
- 16 = Air Force Sponsored Study
- 17 = OSD Sponsored Study
- 18 = Miscellaneous

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

APPENDIX 2

STUDIES CONTROL NUMBERING SYSTEM FY 1991

1. All SCNs contain the Marine Corps DTIC accession indicator "29" 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.