Headquarters Marine Corps

Command, Control,
Communications, and Computers
(C4)

Marine Corps
Information Assurance
Operational Standard

013 Network Operations (NetOps)
Command and Control (C2)
Reporting Structure

V 1.0

February 15, 2005

FOREWARD

Marine Corps Information Assurance Operational Standards (IAOS) are issued by the Marine Corps Enterprise Network (MCEN) Designated Approval Authority (DAA). The IAOS series provides modules that guide the implementation of policy direction established in MCO 5239.2. The modules provide procedural, technical, administrative, and supplemental guidance for all information systems, used in the automatic acquisition, storage, manipulation, management, movement, control, display, switching, interchange, transmission, or receipt of data within the MCEN as well as other USMC information systems. Each module focuses on a distinct subject and describes a standard methodology for planning, implementing and executing an element of the Marine Corps Information Assurance Program.

This module, "Network Operations, Command and Control Reporting Structure," outlines the new reporting structure for executing Global Network Operations within the Marine Corps.

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SECTION 1.0 INTRODUCTION

1.1 PURPOSE

The purpose of the United States Marine Corps (USMC) IA Operational Standard 013 Network Operations (NETOPS) Command and Control (C2) Structure outlines the new reporting structure for executing Global Network Operations within the Marine Corps. This Operational Standard is effective on 1 March 2005.

1.2 Background

The Department of Defense Global Information Grid (GIG), of which the Marine Corps Enterprise Network (MCEN) is a subset, represents a global battlespace within which we must operate and defend. Recognizing this, USSTRATCOM released reference (a), which organizes the DoD for global NETOPS, with emphasis on supporting the Combatant Commanders. The current NETOPS structure used by the Marine Corps, established by reference (b), does not adequately support this new Joint NETOPS Concept of Operations (CONOPS). The Marine Corps must establish a NETOPS Command and Control Structure that aligns with the current operational and functional Chains of Command. This Operational Standard establishes a new NETOPS Command and Control Structure for the Marine Corps.

1.3 Objectives

Establish a revised NETOPS C2 structure in order to:

1.3.1 Better safeguard network and information resources.

1.3.2 Streamline the NETOPS C2 process.

1.3.3 Realign NETOPS execution to improve support for the warfighter.

1.4 Scope

This OPSTD applies to all USMC commands, and the NMCI vendor, who manages and operates general service (i.e., NIPRNET and SIPRNET) network and information technology resources in support of Marine Corps business and warfighting operations.

These standards are in strict conformance with applicable Federal laws and regulations, DoD directives and instructions, and other directive material contained in Section 5.0 of this document.

1.5 Cancellation

None.

1.6 Distribution

This document is approved for limited distribution. DoD components and other federal agencies may obtain copies of this manual through controlled Internet access only (limited to .mil and .gov users). Copies are located on the HQMC C4/CP/IA web page http://www.hqmc.usmc/C4/CP/IA/Documents/OpStandards

1.7 Recommendations

Recommendations for change or amendment to these standards may be submitted in writing through the HQMC C4 IA Branch. Recommendations will be evaluated and coordinated with the Marine Corps Network Operations and Security Command (MCNOSC) before taking the necessary action to change or amend this particular standard.

1.8 Effective date

This Operational Standard is effective 1 March 2005.

SECTION 2.0   MARINE CORPS NETOPS C2 CONSTRUCT

2.1. General Concept

2.1.2 Per references (c), (d), (e) and (f), the MCNOSC will send operational directives and advisories to the 14 senior MARFOR and Supporting Establishment (SE) Commands identified in paragraph 2.2 and to the NMCI vendor, as the NETOPS situation requires or as directed by higher authority.

2.1.2 Each of these senior MARFOR and SE Commands will accomplish directed actions and provide the appropriate feedback and compliance reporting to the MCNOSC pertaining to information technology (IT) assets under their respective control, to include all subordinate organizations (e.g., bases, posts, stations and operating forces) within the command.

2.1.3 The NMCI vendor (i.e., EDS) will accomplish directed actions and provide the appropriate feedback and compliance reporting to the MCNOSC for all IT assets under its control in the Marine Corps' Community of Interest in NMCI (USMC NMCI COI). The MCNOSC will consolidate all Marine Corps and NMCI vendor compliance reports for submission to the JTF-GNO, HQMC C4, or other higher headquarters, as directed.

2.1.4 The NETOPS C2 Structure supports operations involving garrison and deployed force systems on the NIPRNET, SIPRNET, Coalition Networks (e.g. CENTRIXs, CRONOs) and the Defense Research and Engineering Network (DREN).

2.2. NETOPS C2 Chain Of Command Structure

The 14 senior MARFOR and SE Commands and their respective major subordinate organizations are identified below:

2.2.1 COMMARFORCENT
   Other USMC units, when assigned in-theater.

2.2.2 COMMARFOREUR
   Other USMC units, when assigned in-theater.

2.2.3 COMMARFORLANT
   II MEF (when not assigned to another theater)
   Other USMC units, when assigned in-theater.

COMMARCORBASESLANT
COMMARCORPSBASES EAST

MCAS Cherry Point	MCB Camp Lejeune
MCAS Beaufort	MCRD Parris Island
MCAS New River	MCLB Albany
MCAF Quantico	Djibouti
Blount Island Command	

2.2.4 COMMARFORNORTH
Other USMC units, when assigned in-theater.

2.2.5 COMMARFORRES
MOBCOM
4TH MARDIV (when not assigned to another theater)
4TH MAW (when not assigned to another theater)
4TH FSSG (when not assigned to another theater)

2.2.6 COMMARFORSOUTH
Other USMC units, when assigned in-theater.

2.2.7 COMMARFORSTRAT
MCNOSC
Other USMC units, when assigned.

2.2.8 COMMARFORPAC
I MEF (when not assigned to another theater)
III MEF (when not assigned to another theater)
Other USMC units, when assigned in-theater.
COMMARFORJAPAN
COMMARFORK
COMMARCORBASESPAC
COMMARCORPSBASES WEST

MCAS MIRIMAR	MCAS YUMA
MCAS CAMP PENDLETON	MCRD SAN DIEGO
MCB 29 PALMS	MWTC BRIDGEPORT
MCLB BARSTOW	MCB CAMP PENDLETON

COMMARCORBASES WESTPAC
CG BASES JAPAN

MCB CAMP BUTLER	MCAS FUTENMA
MCAS IWAKUNI	CAMP FUJI

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MCB HAWAII
MCAF K-BAY
CAMP SMITH
CAMP MUJUK

2.2.9 CMC (AR)

2.2.10 CG, MCCDC
EFDC
MCWLF
TECOM
CG BASES NCR
MCB QUANTICO
HENDERSON HALL

2.2.11 CO, MARBKS WASHINGTON

2.2.12 CG, MCRC
COMMANDER EASTERN RECRUITING REGION
COMMANDER WESTERN RECRUITING REGION

2.2.13 CG, MCSC
MCTSSA

2.2.14 DRPM EFV

SECTION 3.0   NETOPS TASKS

3.1 MCNOSC

The MCNOSC is responsible for the following:

3.1.1 Develop and maintain NETOPS Situational Awareness as it pertains to the MCEN.

3.1.2 Disseminate NETOPS directed actions and advisory information to the senior MARFOR and SE Commands identified in paragraph 2.2 (i.e., MARFORCENT, MARFOREUR, MARFORLANT, MARFORNORTH, MARFORPAC, MARFORRES, MARFORSOUTH, MARFORSTRAT, CMC, MCCDC, MARBKS WASH, MCRC, MCSC and DPRM EFV.)

3.1.3 Receive and aggregate NETOPS reports from the senior MARFOR and SE Commands listed in paragraph 2.2 and submit to JTF-GNO, HQMC C4, COMMARFORSTRAT and/or other higher headquarters as directed.

3.1.4 Notify MARFORSTRAT HQS immediately upon NETOPS events that trigger any one of CMDRMARFORSTRAT Critical Information Requirements (CCIRs). CCIRs provided via separate correspondence due to classification.

3.2 Senior MARFOR and SE Commands

MAFORS and Major SE Commands identified in paragraph 2.2 shall:

3.2.1 Provide and keep current, command and subordinate organization primary and alternative points of contact information to the MCNOSC. These points of contact (POC) will assist the MCNOSC with gaining and maintaining NETOPS situational awareness and serve as the conduit for feedback and compliance reporting. This POC information shall be provided to the MCNOSC by 15 February 2005 and will subsequently be updated as changes occur.

3.2.2 Establish an internal NETOPS C2 structure within the command to facilitate the rapid flow of directed actions, information and reporting within all subordinate organizations. The reporting structure listed in paragraph 2.2 is based upon input from MARFOR and SE Commands during execution of reference (g). This reporting

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structure will be used unless and until changes are coordinated between HQMC C4, MARFORSTRAT and all affected MARFOR and SE Commands.

3.2.3 Ensure that NETOPS directed actions are accomplished on all affected IT assets that are under the control of the command, to include all subordinate organizations. IT assets under the control of Marine Corps commands include non-NMCI (e.g., legacy and tactical), NMCI assumption of responsibility (AOR) status, and systems that are administered (i.e., sysadmin) by the government but are connected to the NMCI. For systems in NMCI AOR status, EDS will perform all the directed actions and report in a timely manner to the local supported command.

3.2.4 Receive and aggregate NETOPS reports from all subordinate organizations, and the NMCI vendor for AOR assets, and submit to the MCNOSC. Reports to MCNOSC will be broken out by major commands and subordinate organizations as listed in Para 2.2 to conform with and support the operational requirements of USSTRATCOM and the regional Combatant Commanders.

3.2.5 Notify MCNOSC immediately upon CND events, which trigger any of CMDRMARFORSTRAT Critical Information Requirements (CCIRs). CCIRs provided via separate correspondence due to classification.

3.3 EDS

Electronic Data Systems (EDS) shall:

3.3.1 Provide and keep current, primary and alternate POC information to the MCNOSC. These POCs will be linked to the senior MARFOR and SE Commands listed in Para 2.2 . EDS POCs will assist the MCNOSC with gaining and maintaining NETOPS situational awareness, and will serve as a conduit for feedback and compliance reporting. POC information will include name, NIPRNET email, SIPRNET email, voice and fax telephone numbers, and procedures for emergency recall (24X7 contact point). POC information will initially be reported via email to the MCNOSC Command Center (`commandcenter@mcnosc.usmc.mil`) within 96 hours after receipt of this OPSTD. This information will subsequently be updated as changes occur.

3.3.2 Establish an internal structure to facilitate the rapid flow of NETOPS directed actions, information and reporting. While this reporting structure may not mirror exactly the reporting structure identified in Para 2.2 due to centralized technical control being implemented in the NMCI environment, EDS will provide a responsible POCs

capable of providing necessary reporting and situational awareness relative to the affected commands.

3.3.3 Disseminate NETOPS directed actions and advisory information issued from MCNOSC to appropriate NMCI vendor organizations.

3.3.4 Ensure that NETOPS directed actions are accomplished on all affected IT assets that are under the control of the NMCI vendor. IT assets under the control of EDS include cutover or fully transitioned NMCI systems. EDS does not control Marine Corps assets that are administered (i.e. , sysadmin) by the government but are attached to NMCI (e.g., legacy application servers). Compliance with directed actions and reporting for these assets will be accomplished by the government. Nor does EDS control assets in NMCI AOR status. EDS will perform NETOPS directed actions on NMCI AOR assets, but will report through the local supported Marine Corps command.

3.3.5 Receive and aggregate NETOPS reports for all NMCI vendor controlled assets within the USMC NMCI COI and submit to the MCNOSC. Reporting to MCNOSC will be broken out by commands and bases/posts/stations as listed in Para 2.2 to conform with and support the operational requirements of USSTRATCOM and the regional Combatant Commanders.

SECTION 4.0   COORDINATING INSTRUCTIONS

Assets in NMCI AOR status remain so until cutover, which occurs in two steps. First, network cutover takes place. At network cutover, management of wide area network connectivity (i.e., NIPRNET or SIPRNET) supporting a base/post/station passes from the MCNOSC to EDS.   At network cutover, all internal network infrastructure (e.g., routers, switches) enters cutover status. After network cutover, only workstations (seats) remain in AOR status.   After network cutover is accomplished, workstations will be individually cutover from AOR status. EDS will implement NETOPS directed actions on cutover assets, but will report through its own internal chain to the MCNOSC.

There are IT assets that are on networks in NMCI AOR status, where systems management and administration is contractually the responsibility of EDS, but is still being done by the government. EDS is directed to assume responsibility for these assets and provide systems management and administrative support to them by not later than 30 days after receipt of this OPSTD. Marine Corps commands are directed to relinquish systems management and administration of assets upon the request of EDS. EDS and Marine Corps commands will report any unresolved issues, through their respective internal chains, to the MCNOSC for resolution.

SECTION 5.0   REFERENCES

(a) USSTRATCOM doc dtd 5 May 2004 (subj: Joint CONOPS for Global Information Grid NETOPS)

(b) CMC Washington DC msg 060930ZMar1998 (subj: Interim USMC NOC CONOPS)

(c) CMC Washington DC msg 221124ZApr2003 (s)

(d) CMC Washington DC msg 271527ZJun2003 (subj: MARADMIN 313-03)

(e) COMMARFORSTRAT msg 181556ZJun2004 (subj: MARFORSTRAT CONOPS and Implementation Plan in Support of Computer Network Defense)

(f) MCNOSC msg 240338ZJul2003 (subj: Implementation of Serialized Messages from the MCNOSC to Promulgate MCEN Operational Directives and Advisories)

(g) MCNOSC msg 161736ZJun2004   (subj: MCEN OPDIR 29-04)

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SECTION 6.0   ACRONYM LIST

AOR	Assumption of Responsibility
C2	Command and Control
C4	Command, Control, Communications and Computers
CCIR	CMDRMARFORSTRAT Critical Information Requirements
CND	Computer Network Defense
COI	Community of Interest
CONOPS	Concept of Operations
DAA	Designated Approval Authority
EDS	Electronic Data Systems
GIG	Global Information Grid
IA	Information Assurance
IAOS	Information Assurance Operational Standard
IT	Information Technology
NETOPS	Network Operations
NIPRNET	Non-Secure Internet Protocol Router Network
NMCI	Navy/Marine Corps Intranet
OPSTD	Operational Standard
SE	Supporting Establishment
SIPRNET	Secret Internet Protocol Router Network