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Classification downgrade executed by:

JAMES H. DICKINSON
Major General, U.S. Army
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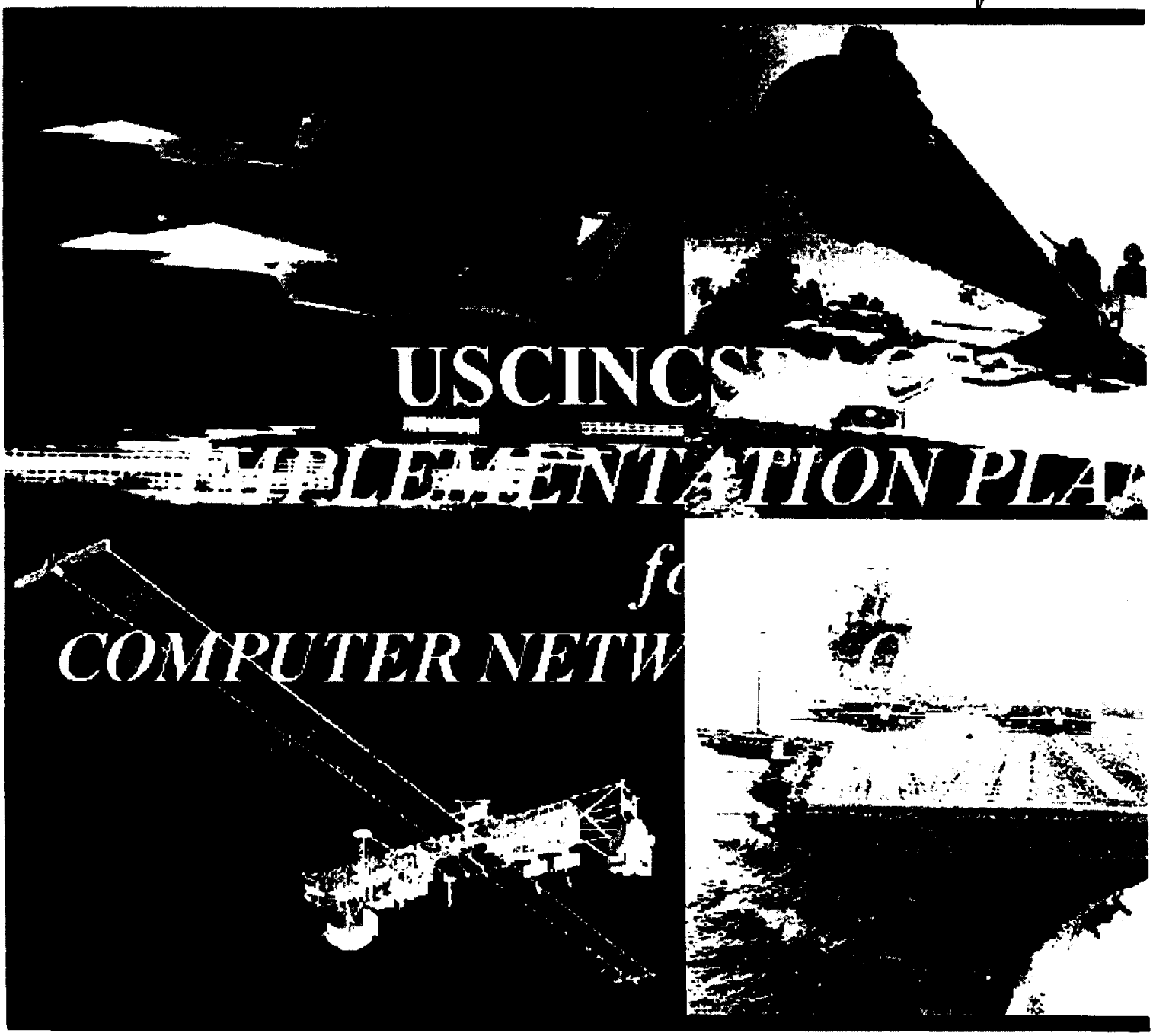
U.S. Strategic Command



USCINCS
IMPLEMENTATION PLA
fo
COMPUTER NETW

UNITED STATES SPACE COMMAND

MAY 13 2001

MEMORANDUM FOR DISTRIBUTION

FROM: USCINCSPACE
250 S. Peterson Blvd Ste 116
Peterson AFB CO 80914-3010

SUBJECT: Approved USCINCSPACE Implementation Plan for Computer Network Operations

1. The USCINCSPACE Implementation Plan (I-Plan) for Computer Network Operations (CNO) is approved and provided for your use. It details the merging of specific Computer Network Defense (CND) and Computer Network Attack (CNA) activities under a single operational commander, and includes refined roles and responsibilities between the Headquarters (HQ) USSPACECOM staff, the Joint Task Force for Computer Network Operations (JTF-CNO) and the Joint Information Operations Center (JIOC).

2. This document delineates additional resource requirements for the mission, as well as current efforts to obtain those resources. It does not replicate or replace existing previous USCINCSPACE I-Plans or CONOPs for CND or CNA. Rather, it details improvements and changes based on 18 months of experience, and represents the next step in the evolution of this entirely new mission.

RALPH E. EBERHART
General, USAF
Commander in Chief

Attachment:
USCINCSPACE CNO I-Plan, 13 Apr 01 ~~(S/NF)~~

DISTRIBUTION
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~~Derived From: OASD/C3I, DODI S-3600.2~~
~~Reason: 1.5(a), (e), and (g)~~
~~Declassify On: X1, X3, X4~~

This memorandum is UNCLASSIFIED upon removal of the attached document.

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HEADQUARTERS, U.S. SPACE COMMAND
250 S Peterson Blvd, Suite 116
Peterson AFB, CO 80914-3010
11 April 2001

USCINCSPACE IMPLEMENTATION PLAN (IPLAN) FOR THE ESTABLISHMENT OF THE JOINT TASK FORCE – COMPUTER NETWORK OPERATIONS (JTF-CNO) FROM THE PREVIOUS JOINT TASK FORCE – COMPUTER NETWORK DEFENSE (JTF-CND) (U)

SECTION 1 – INTRODUCTION (U)

1.1 (U) Introduction. In accordance with the Unified Command Plan (UCP), USCINCSPACE serves as the "military lead for Computer Network Defense (CND) and Computer Network Attack (CNA)." Separate Implementation Plans (IPLANs) were developed and submitted prior to assuming those responsibilities in October 1999 and October 2000 respectively. Having gained significant mission experience over the past 18 months, USCINCSPACE has decided to merge specific CND and CNA activities under a single operational commander. The establishment of the Joint Task Force – Computer Network Operations (JTF-CNO) will assume the combined CND and CNA activities. This CNO IPLAN represents the next step in the evolution of these fledgling mission areas, and describes USCINCSPACE's intent and approach to include refined roles, responsibilities, and command relationships between the JTF-CNO, the Joint Information Operations Center (JIOC), and the US Space Command Headquarters (USSPACECOM) staff. This IPLAN also delineates additional requirements for the mission, as well as current efforts to obtain needed resources.

1.2 (U) Overview. Roles and responsibilities outlined in this IPLAN will result in a more efficient use of available resources to provide more effective CND and CNA support to CINCs. Merging the JTF-CND and Deputy Director of Operations for CNA (DDO-CNA) at the JTF-CNO will consolidate several CNA and CND planning support functions along with enhancing our ability to conduct CND operations. The JIOC will continue to provide traditional Information Operations (IO) planning and exercise support to the CINCs, with the JTF-CNO providing CND and CNA planning support as part of a consolidated team effort. The Headquarters USSPACECOM (HQ) staff will coordinate these support efforts and include space support as appropriate. In addition, the HQ staff will also continue to perform those functions not transferred to the JTF-CNO (such as policy development, requirements, etc.).

1.3 (U) IPLAN Organization. This IPLAN is structured by organizational roles and responsibilities. Each section delineates appropriate mission tasks and functions for accomplishing CNO operational mission execution among the HQ staff, the JTF-CNO and the JIOC. The final section, Resources, provides a detailed analysis of the manpower and funding requirements necessary to accomplish the roles and missions outlined in the previous sections. No definitional changes are intended, nor is there any intent to include

Computer Network Exploitation (CNE) or other activities currently performed by the Intelligence Community (IC) pursuant to IC authorities under the JTF-CNO. We recognize that much work needs to be done to clarify roles, responsibilities, and authorities in executing and supporting these mission areas. However, this document reflects direction from USCINCSPACE to establish a command and control structure through which available authorities can be efficiently exercised. It does not establish new authority, or expand or limit any existing authority that, prior to this reorganization, was available to USCINCSPACE, CJTF-CND, or DDO-CNA.

1.4 (U) Mission. To better implement the UCP tasking, USCINCSPACE has approved the following CNO mission statement:

> (U) "Subject to authority and direction of USCINCSPACE, JTF-CNO will, in conjunction with the CINCs, Services and Agencies (C/S/As), coordinate and direct the defense of DoD computer systems and networks; coordinate and, when directed, conduct computer network operations (less CNE) in support of CINCs' and national objectives."

1.5 (U) CINC's Vision. Operationalize Computer Network Defense and Computer Network Attack to be fully integrated with air, land, sea and space across the full spectrum of conflict.

1.6 (U) IPLAN Development Approach. A CND/A task analysis was conducted to ensure the proper distribution of the resources approved for HQ staff, JTF-CNO, and the JIOC, and ascertain the need for additional resources. Each specified or implied task performed by HQ staff, JTF-CNO, or JIOC was examined for consistency with the following areas:

a) (U) USCINCSPACE CND and CNA IPLANs

b) (U) USSPACECOM CND and CNA CONOPs

c) (U) JTF-CND Mission Analysis Briefing (Jan 01)

d) (U) CINC's integrated vision for CND and CNA

e) (U) Current divisions of responsibility to support the required capability (task level)

f) (U) New or additional tasks currently being performed by the HQ staff, JTF-CNO and JIOC that are not identified by current documentation

1.7 (U) IPLAN Development Assumptions. While these missions are rapidly, evolving, previous experience and current guidance have led to the identification of several assumptions that were used in developing this IPLAN.

1.7.1 (U) The CND and CNA CONOPs are sound, and no *fundamental* changes are planned at the current time. This IPLAN will only recommend changes *by exception*, and may in some cases amplify or further define roles and responsibilities between JTF-CNO, JIOC and HQ staff.

1.7.2 (U) This IPLAN has been compared with and is consistent with the JIOC IPLAN (dated Feb 01).

1.7.3 (U) Per USCINCSPACE direction, integration of Space and CNO missions will be maintained as appropriate. This IPLAN describes command and control (C2) and staff-to-staff relationships necessary to the successful pursuit of the CNO and Space missions. This includes sufficient "situational awareness" between JTF-CNO, JIOC and the HQ staff in all areas of the mission.

1.7.4 (U) JTF-CNO is the "operational" arm for the USCINCSPACE CND and CNA missions. With this in mind, roles, missions, and corresponding resources are designed for the conduct of operations and operational support by the JTF. Policy, requirements, and other areas not directly involved with operations are placed in appropriate organizations outside the JTF.

1.7.5 (U) The JTF-CNO's computer network defense mission remains intact with any modifications necessitated by the re-subordination of the JTF-CNO under command authority of the USCINCSPACE outlined in this IPLAN.

1.7.6 (U) In general, the US Space Command HQ staff provides support to the CINCs for strategic/long-term policy, doctrine, planning, requirements and legal CNO needs. JTF-CNO provides CND and CNA operational (including planning) support. JIOC will provide all other areas of IO planning expertise.

1.8 (U) Milestones. USSPACECOM has adopted a phased approach to taking the JTF-CNO from an initial operational capability (IOC) in April 2001 to a full operational capability (FOC) by October 2003, depending on the availability of resources.

TASK	TARGET DATE
Draft CNO IPLAN	27 March 2001
Establish JTF-CNO IOC	2 April 2001
CINC approves CNO IPLAN and resource requirements	25 April 2001
USCINCSPACE Request to JCS for JMVB	1 May 2001
Draft CNO CONOP	6 June 2001
Deliver CNO IPLAN to JS and OSD	Summer 2001
CINC approves CNO CONOP	1 September 2001
Deliver CNO CONOP to JS and OSD	Fall 2001
JTF-CNO provisional FOC	1 October 2003

Table 1-1 USCINCSPACE Tasks and Target Dates (U)

1.9 (U) Policy Guidance. This CNO IPLAN draws from key policy and guidance detailed in the following documents:

a) (U) CJCS "Personal For" Message (S), 211925Z Jan 99, SECDEF Guidance on Unified Command Plan (U). Provides guidance recommended by the combatant commanders and approved by the SECDEF concerning UCP 99. The Chairman's "Personal For" message directed the assignment of CND and CNA to USCINCSPACE for support roles to the DoD and CINCs, including responsibility for the JTF CND. The message also provides CJCS support for re-designation of the JTF-CND into an organization responsible for both the attack and defense missions.

b) (U) DoD Directive S-3600.1 (S/NF), 9 Dec 96, Information Operations (IO) (U). Establishes overarching policy and assigns responsibilities for IO including defensive information operations (DIO).

c) (U) DoD Instruction S3600.2 (S), 6 Aug 98, Information Operations (IO) Security Classification Guidance (U). Prescribes guidance on classifying information about IO within the DoD.

d) (U) CJCSI 3210.01A (S), 6 Nov 98, Joint Information Operations Policy (U). Provides joint policy guidance and assigns responsibilities for IO, including CND.

e) (U) Joint Publication 3-13, Joint Doctrine for Information Operations, 9 Oct 98. Provides doctrine, definitions, process, protection, detection and assessment, restoration, and attack responses for IO.

f) (U) CJCSI 6510.01C, Information Assurance and Computer Network Defense, 12 Dec 00. Provides policy, definitions, responsibilities, and procedures associated with defensive IO including CND. Specifically, the instruction provides the framework for CND under information assurance, protection and defense procedures, reporting responsibilities and procedures, and guidance concerning education, training, and awareness.

g) (U) Charter, JTF-CND, SECDEF approved, 4 Dec 98. Provides mission, functions, and tasks of the existing JTF-CND.

h) (U) JTF-CND Concept of Operations, 30 Dec 98. Provides detailed concepts for JTF-CND operations. Establishes baseline for this CND IPLAN.

i) (U) CJCS Memorandum, CM-510-99, Subject: Information Operations Conditions, 10 Mar 99. Establishes Information Operations Conditions (INFOCON) for DoD, including guidance and responsibilities for authorizing and communicating INFOCONs as part of information operations throughout DoD.

j) (U) DoD Directive 8530.1, Computer Network Defense, 11 Jan 01. Establishes CND policy, definitions, and responsibilities necessary to provide the essential structure and support to USSPACECOM for the CND within DoD information systems and computer networks.

k) (U) USSPACECOM CND IPLAN, 15 Sep 99. Delineates USSPACECOM mission for CND, roles and responsibilities, and command and other relationships.

l) (U) USCINCSPACE CNA IPLAN, 26 Jun 00. Delineates USSPACECOM mission for CNA, roles and responsibilities, and command and other relationships.

m) (U) USSPACECOM/J39 CND CONOP, 14 Oct 99. Describes how USCINCSPACE executes responsibilities for the CND mission.

n) (U) USSPACECOM/J39 CNA CONOP, 30 Jun 00. Describes how USCINCSPACE executes responsibilities for the CNA mission.

SECTION 2 – INTELLIGENCE (U)

(U) 2.1 ~~(S/NF)~~ Introduction. Intelligence support to the CND and CNA requirements-to-execution process has been addressed in detail in the previous USCINCSPACE CND and CNA IPLAN and CONOP documents. For the purposes of this USCINCSPACE CNO IPLAN, details provided in previous intelligence portions of the above documents will not be repeated unless needed for context. This section addresses the refined organizational structure and responsibilities that have resulted from evolutionary work over the past two years between the USSPACECOM J2, JTF-CND J2, DDO-CNA, Intelligence Community (IC), CINCs, and Services.

(U) 2.2 ~~(S/NF)~~ Overview. Intelligence support to the CNO mission (CND and CNA) continues to evolve following the signing of UCP-99. The assumption of the CND mission on 01 Oct 99 drove the requirements for rapid manpower acquisition decisions and the development of groundbreaking intelligence support processes by the USSPACECOM and JTF-CND J2s. For intelligence, this entails a complex set of roles and responsibilities that will be shared between the USSPACECOM J2 and JTF-CNO J2 organizations, based on joint warfighting doctrine. Those roles and responsibilities are the result of long-term, cooperative efforts on the part of USSPACECOM J2 and JTF-CND J2 in coordination with the CINCs, the Intelligence Community (IC), and DDO-CNA to refine intelligence support to the CNO mission. The division of responsibilities and processes detailed below provides immediate intelligence support to the CNO mission, while providing a joint intelligence support architecture that will grow in capabilities to support future CNO requirements. Additional intelligence personnel will be required at the JTF-CNO to ensure that intelligence capabilities grow, commensurate with the maturing of the CNO mission.

2.3 (U) JTF-CNO Intelligence Roles and Responsibilities. The following paragraphs describe the JTF-CNO Directorate of Intelligence (J2) roles and responsibilities.

2.3.1 (U) Intelligence Fusion and Integration in Support of CNO Current Operations. Provide predictive tactical indications and warning (I&W) of impending threat CNA for DoD. For current operations intelligence support, coordinate with USSPACECOM, the C/S/As, and IC to refine and standardize processes for the databasing, rapid processing, retrieval and reporting of CND operational and intelligence data. Assess adversary response to CNA operations.

2.3.2 (U) Intelligence Fusion and Integration in Support of CNO Strategic/Theater Support/OPLANs. Coordinate through USSPACECOM J2, C/S/As, and IC to refine key reporting and databasing capabilities. Assist in the review of national-level foreign threat documents and provide input to USSPACECOM planning documents and doctrinal publications.

(U) 2.3.3 ~~(S/NF)~~ Conduct CNO Collection Management. Develop JTF-CNO and component Priority Intelligence Requirements (PIRs), in coordination with the USSPACECOM J2. Support collection requirements issues relating to CONPLAN 3900, as required. Submit time-sensitive/ad-hoc/crisis collection requirements to the IC in support of the JTF-CNO mission (through USSPACECOM J2 for supporting and information reasons). Submit non-time sensitive collection through the USSPACECOM J2 or supported CINC J2 in accordance with joint doctrine. Coordinate with the USSPACECOM J2 for refinement of standing collection requirements relating to CNO.

(U) 2.3.4 ~~(S/NF)~~ Joint Intelligence Preparation of the Battlespace for CNO. Conduct short-term operational threat assessments in support of the JTF-CNO mission. Coordinate reach-back to the USSPACECOM J2 and IC for short-term operational intelligence support. Support production responsibilities of the USSPACECOM J2 through foreign threat analysis and reporting. Assist the USSPACECOM J2 in coordinating and developing databases and information processing capabilities that support all-source, granular, and near real-time analysis.

(U) 2.3.5 ~~(S/NF)~~ Monitor and Assess Adversary CNA and CNE Activities. Assess all-source current intelligence of adversary CNA and CNE activities in support of JTF-CNO defensive mission requirements. Provide 24x7 current intelligence reporting and input to tactical Indications and Warning (I&W).

(U) 2.3.6 ~~(S/NF)~~ Monitor and Assess Adversary CND Activities. Assess all-source current intelligence of adversary CND activities and system vulnerabilities in support of JTF-CNO offensive mission requirements.

(U) 2.3.7 ~~(S/NF)~~ Conduct Intelligence Support to CNO Planning. Coordinate and provide direct intelligence support to CINC CNA crisis action planning efforts, as requested by the supported CINC through USSPACECOM, to include deployment of intelligence personnel. Coordinate supported CINC crisis action planning support with the USSPACECOM J2. Conduct reach-back for all-source and nodal analysis expertise to the USSPACECOM J2.

(U) 2.3.8 ~~(S/NF)~~ Provide Intelligence Support to CNA Targeting. Provide input to electronic target file development at USSPACECOM J2. Conduct updates to JTF-CNO J2 CNA target folders. Provide support to the CINC BDA cell/process as requested.

(U) 2.3.9 ~~(S/NF)~~ Coordinate with the IC for target access to support current JTF-CNO mission operations. Coordinate with embedded JTF-CNO J2 personnel within the national agencies to ensure current target access. Support JTF-CNO J3 throughout the target development, coordination, deconfliction and approval process to ensure access requirements are met.

(U) 2.3.10 ~~(S/NF)~~ Support DoD CNA and IC CNE Deconfliction. Facilitate all aspects of the CNA coordination and deconfliction process through close coordination with

embedded JTF-CNO intelligence personnel within the national agencies and key IC offices and principals. Advise and assist the JTF-CNO J3 on intelligence issues relating to ongoing CNE and the impact on deconfliction and approval processes for CINC CNA plans. Apprise the USSPACECOM J2 of any IC issues associated with deconfliction.

(U) 2.3.11 ~~(C/NF)~~ Coordinate, Direct, Plan, and Task DoD Counterintelligence (CI) Support to CNO. Act as the lead CI coordination authority for USCINCSPACE. Provide coordination, deconfliction, facilitation, and integration of Law Enforcement (LE) and CI network investigations. Ensure USCINCSPACE and CJTF-CNO are apprised of significant computer network investigations. Provide threat reporting in support of the JTF-CNO J2 and the Counterintelligence Support Office (CISO). Coordinate with the National Infrastructure Protection Center (NIPC) and provide surge capability in joint investigative matters having national impact. Responsible for LE/CI databasing of investigative information.

2.3.12 (U) Integrate CNO Intelligence Support Processes for Exercises. Support JTF-CNO involvement in theater/joint exercises as required/requested.

2.3.13 (U) Coordinate Leveraging of IC to Support CNO – Management. Conduct close coordination with the NIC based on physical proximity and Direct Liaison Authority (DIRLAUTH) relationships to support USSPACECOM J2 and JTF-CNO J2 goals and programs.

2.3.14 (U) JTF-CNO Billets. The baseline intelligence billets at JTF-CND is nine (9) billets. The JTF-CNO's requirement is for 15 fifteen additional J2 billets to meet the requirements for standing up the JTF-CNO. The USSPACECOM J2 has transferred 12 billets (10 CND/CNA billets and two (2) baseline billet) to the JTF-CNO J2 to support the above CNO roles and responsibilities. The three (3) additional JTF-CNO J2 billets requested will be addressed as new requirements to the Joint Staff and the Joint Manpower Validation Board (JMVB). The JTF-CNO J2 requirement also includes 13 technical support contractors, the command has four (4) existing position and requires nine (9) additional positions.

2.4 (U) J2 Intelligence Roles and Responsibilities. The following paragraphs describe the USSPACECOM Directorate of Intelligence (NSP/J2) roles and responsibilities.

(U) 2.4.1 ~~(S/NF)~~ Intelligence Fusion and Integration in Support of CNO Current Operations. Advocate with C/S/As and IC to develop processes and capabilities that enable predictive tactical warning of foreign CNA. Continue to refine CND reporting and databasing capabilities in coordination with C/S/As and IC in support of JTF-CNO threat CNA assessment and attribution. Coordinate intelligence production in support of JTF-CNO missions.

(U) 2.4.2 ~~(S/NF)~~ Intelligence Fusion and Integration in Support of CNO Strategic/Theater Support/OPLANs. Continue to refine strategic-level, long-term threat analysis, reporting,

and databasing capabilities to provide strategic/operational indications and warning of foreign CNA. Provide intelligence support to USSPACECOM efforts to operationalize defense of the Defense Information Infrastructure (DII), including the intelligence annex to OPLAN 3900. Support Theater CINC CNO planning requirements, as requested. Provide key subject matter expertise in support of CNO doctrine.

(U) 2.4.3 ~~(S/NF)~~ CNO Collection Management. Refine USSPACECOM PIRs in support of CND CONPLAN 3900. Assist supported CINCs, as requested, in the development of CNA-specific PIRs driving collection for CINC deliberate and crisis action planning. Coordinate and advocate with the IC on behalf of supported CINCs on collection issues driving CNO production. Assist in the refinement of standing collection requirements for CND and CNA, as requested by the supported CINCs. Provide collection management oversight for the CNO mission.

(U) 2.4.4 ~~(S/NF)~~ Coordinate Joint Intelligence Preparation of the Battlespace for CNO. Maintain intelligence analysis and production oversight and coordination with the C/S/As and IC. Manage the development of intelligence databases. Develop and refine capabilities to perform adversary infrastructure nodal analysis. Within a federated process, coordinate the accomplishment of CINC nodal analysis requirements with the C/S/As and IC. Refine mid to long-term all-source analytical capabilities in support of the CNO mission.

(U) 2.4.5 ~~(S/NF)~~ Monitor and Assess Adversary CNA and CNE Capabilities. Conduct and/or coordinate long-term, strategic threat assessments of adversary CNA and CNE capabilities in support of USSPACECOM and JTF-CNO defensive mission requirements.

(U) 2.4.6 ~~(S/NF)~~ Monitor and Assess Adversary CND Capabilities. Conduct and/or coordinate long-term, strategic threat assessments of adversary CND capabilities and vulnerabilities in support of USSPACECOM and JTF-CNO offensive mission requirements.

(U) 2.4.7 ~~(S/NF)~~ Intelligence Support to CNO Planning. Coordinate, provide, and/or advocate DoD and IC intelligence analysis and production support to CINC CNA deliberate and crisis planning, as requested by the supported CINC, and in accordance with Joint Doctrine. Coordinate all CNA deliberate and crisis planning support efforts with the JTF-CNO J2. Provide direct intelligence support to USSPACECOM CONPLAN 3900 and UCP-directed CND mission responsibilities, while assisting supported CINCs with their CND requirements, as requested.

(U) 2.4.8 ~~(S/NF)~~ Provide Intelligence Support to CNA Targeting. In coordination with the JTF-CNO J2, conduct and coordinate federated nodal analysis, as requested by the supported CINC, in support of CINC CNA targeting requirements. Develop electronic target files in conjunction with the JTF-CNO J2 and support the provision of updates to CNA target folders as requested. Provide support to the CINC BDA cell/process as requested. Continue to advocate for essential baseline database and planning support

capabilities that effectively connect multiple intelligence and operational elements essential to the nodal analysis and targeting effort. A primary example is the Dynamic Information Operations Decision Environment (DIODE) database.

(U) 2.4.9 ~~(S/NF)~~ Coordinate and Advocate with the Intelligence Community for Target Access. Advocate with the IC for target access as required/requested by the JTF-CNO J2. Coordinate with the JTF-CNO J3 and J2 to ensure the complexities of target access are overcome at key junctures in the planning, coordination, deconfliction, and approval processes.

(U) 2.4.10 ~~(S/NF)~~ Support DoD CNA and IC CNE Deconfliction. Provide overall guidance, support, and advocacy for the JTF-CNO J2 and J3 in support of the CNA coordination and deconfliction process. Provide technical nodal analysis and systems intelligence expertise, as requested by the JTF-CNO J2 and J3, to support CNA coordination and deconfliction.

(U) 2.4.11 ~~(C/NF)~~ Coordinate, Direct, Plan, and Task DoD CI Support to CNO. The CISO provides overarching guidance, policy and advocacy for CI support to CNO. Responsible for CI portions of the intelligence annex to CONPLAN 3900, CI PIRs, and CI collection plans. Provide CI policy and guidance for criminal investigation organizations that support CNO. Conduct investigations, operations, collection, analysis, and production efforts in support of CINC CNO requirements. Develop CI offensive operations in order to support CNA targeting or deception and denial programs. Responsible for national-level coordination with CI agencies that support CNO.

2.4.12 (U) Integrate CNO Intelligence Support Processes for Exercises. Coordinate intelligence support to major CINC/Joint exercises. Support JTF-CNO J2 exercise requirements.

2.4.13 (U) Coordinate Leveraging of IC to Support CNO – Management. Provide coordination, leadership and advocacy for a broad range of CNO intelligence requirements. These requirements range from gaining critical program accesses necessary to support CINC CNA planning and operations to coordinating community-wide forums in support of the overall CNO mission.

2.5 (U) Intel Billets. The billets for the USSPACECOM J2 for CND and CNA mission support, approved to date, is 32 billets (seven (7) through General Defense Intelligence Program (GDIP) and 25 through the JMVB). USSPACECOM is retaining 22 of the approved CND and CNA billets to support the above CNO roles and responsibilities.

SECTION 3 – CNO Operations (U)

3.1 (U) Introduction. The conduct of CNO Operations will remain largely unchanged from those processes already detailed in the existing USSPACECOM CND and CNA IPLAN and respective CONOP documents. The changes resulting from the new organizational construct, and the attendant realignment of existing resources and new resources supporting this construct, are more appropriately characterized as operational *refinements* rather than broad procedural or role changes. Accordingly, they will have minimal impact on commands, organizations, and other entities external to USSPACECOM and its components, and should be largely transparent to them. The net result will be organizational efficiencies and mission synergy that will better serve the supported commander through improved interfaces, clearer distinction of mission roles and operational responsibilities ("lanes in the road"), and enhanced responsiveness to operational requirements.

3.2 (U) Overview. The treatment of CNO, for the purposes of this document, will necessarily be separated into distinct CND and CNA operations discussions. This is due to the unique nature of each mission area and the discrete differences in roles and responsibilities for each of the entities involved.

3.3 (U) Computer Network Defense Operations.

3.3.1 (U) JTF-CNO. As the military's primary operations center to monitor and respond to malicious activities and intrusions against the DII, the JTF-CNO will continue to leverage the technical capabilities of DISA's Global Network Operations and Security Center (GNOSC) and the DoD-Computer Emergency Response Team (DoD-CERT) in support of their daily operations. The CND operations focus will be more procedural and operational, requiring close coordination across the community (other CINCs, Services, JS, OSD, DoD agencies, DISA, the IC, NSA, law enforcement agencies (LEA), NIPC, industry, and others) for information sharing, analysis, and assessment support. Subject to the authority and direction of USCINCSPACE, JTF-CNO will, in conjunction with the C/S/As, be responsible for coordinating and directing the defense of military information systems and computer networks. This includes the coordination of DoD defensive actions with non-DoD government agencies and appropriate private organizations. JTF-CNO will also provide inputs to HQ staff for policy, planning, rules of engagement (ROE), requirements and mission processes to enhance mission execution.

3.3.1.1 (U) Transitioning USSPACECOM's CND mission from JTF-CND to JTF-CNO will usher in a more robust watch center to provide initial detection, assessment, reporting and response to intrusions 24x7, 365 days per year. The JTF-CNO watch center will coordinate and synchronize the activities of information assurance organizations to include reporting to higher headquarters through the Space Operations Center (SPOC), lateral organizations (e.g., NIPC, National Security Incident Response Center, CERT-Coordination Center, etc.) and lower organizations (Service CERTs).

They are responsible for monitoring the status of DoD information systems and networks (approximately 2.3 million computers and over 10,000 networks), tracking incidents, and reporting incidents on IC and special computer networks (e.g., Sensitive but Unclassified Internet Protocol Router Network (NIPRNET), Secret Internet Protocol Router Network (SIPRNET), Joint Worldwide Intelligence Communications System (JWICS), NSAnet, etc.). They will also work with the LE/CI division to fuse LE/CI threat warnings/alerts and pass on malicious activities for further investigation. Finally, this branch will fuse all their information sources to assess whether DoD is under a strategic threat CNA event and the likely impact to specific military operations (e.g., IC, NIPC, SPOC, C'S/As, etc.).

(U) 3.3.1.2 ~~(S//NF)~~ There is general agreement between the Service OPSDEPS, ASD-C3I, DJS, DIRNSA, and USCINCPACE that a requirement exists for USSPACECOM to host a continuing series of CNA-focused wargames and to provide support to the CNA portions of CINC exercises. To date USSPACECOM has executed two wargames dedicated to CNA, is in the process of developing the third in the series and is actively supporting numerous CINC exercises. The JTF-CNO will share a significant amount of the responsibility for supporting wargames, exercises and modeling and simulation. The requirement is for an aggressive series of wargames and exercises to explore the most effective CNA Command and Control (C2) relationships and organizational structures among USSPACECOM, its components, the Services, Agencies, the Joint Staff, OSD, and the National Command Authorities. Of primary concern is USSPACECOM's and the JTF-CNO's role in coordinating with a number of critical DOD and Intelligence Community organizations to successfully execute a CNA operation. This coordination process is the key connection between the operational commander who must integrate CNA into Joint warfighting operations and the NCA who must consider the use of CNA in the broadest possible context in order to make informed decisions approving the use of CNA weapons. It is also vital to develop the modeling and simulation capabilities to simulate and explore courses of action during wargames and exercise. Section 6, Resources provides details on the resources required to accomplish the above tasks.

3.3.1.3 (U) A new capability to be provided by the JTF-CNO organization is the CINC Support Teams. These teams will be task organized to provide CNO support to each CINC: SOUTHCOM/TRANSCOM, CENTCOM/SOCOM, PACOM/STRATCOM, and EUCOM/JFCOM. The JTF-CNO will provide CNO expertise and facilitate integration of CNO capabilities to assist the supported commander as well as educating the supported CINC/JTF component command staff on the use of CNO. The CINC Support Team leader will ensure CNO is integrated into the respective CINC's planning, operations, training, and execution. The collective goal is to implement these responsibilities in a measured, effective manner to ensure JTF-CNO can provide the warfighter the best possible support.

3.3.2 (U) HQ USSPACECOM. The HQ staff will turn to JTF-CNO for analysis of CNO events to include after action reports. The JTF-CNO is in the best position to correlate and fuse information obtained during an event and develop a finished product that addresses the operational impact, tactics used, profile of the attacker, and the response actions to mitigate the malicious activity. The SPOC will assist in managing

requests for information from the different staffs and C/S/As to prevent the JTF-CNO from being deluged with inquiries that could impact their ability to complete their analysis of an event. Occasionally, if the JTF-CNO requests assistance, USSPACECOM J6 will provide technical support to work through long-term analysis projects.

(U) 3.4 ~~(S/NF)~~ Computer Network Attack Operations. The primary organizational change under the JTF-CNO entails subsuming the former DDO-CNA under CJTF-CNO; JTF-CNO will assume responsibility for CNA operations. The CNA operations structure previously described in the USSPACECOM CNA IPLAN and CONOP remains otherwise fundamentally unchanged, to include all organizational relationships with external entities (e.g., IC, Information Operations Technology Center (IOTC)).

(U) 3.4.1 ~~(S/NF)~~ In this capacity, JTF-CNO will assist supported CINCs by facilitating the integration/deconfliction of CNA, CND, and CNE activities with appropriate C/S/As, assist in obtaining CNA course of action (COA) approval from the National Command Authority (NCA), and facilitate staffing of CNA COAs throughout the National Capital Region (NCR). JTF-CNO will synthesize CNA requirements of supported CINCs, coordinate with C/S/As and the IOTC to identify CNA operational capabilities, and prioritize CNA tasking and requirements for the IOTC, in coordination with the Joint Staff and USSPACECOM. In accordance with the Joint Operation Planning and Execution System (JOPES) Integrated Joint Special Technical Operations (IJSTO) review and approval process, JTF-CNO will assist supported CINCs in CNA operational planning and provide standard mission planning, execution, and exercise support to CINCs in development of objectives and Joint Mission Essential Task Lists (JMETLs) for CNA. Finally, JTF-CNO will assist in assessing technical and operational effectiveness of DoD CNA operations and monitor CNA capability readiness.

3.4.2 (U) HQ USSPACECOM. The HQ staff will accomplish traditional HQ staffing functions for the development, support, and execution of the CNA mission, to include coordination of non-operational CNA tasks and issues, as well as overall coordination of all support to CINCs. Consistent with UCP language to "conduct CNA operations," USCINCSPACE may deploy and/or employ CNA forces as specified in accordance with JOPES directives. In conjunction with JTF-CNO, USCINCSPACE will assist in obtaining NCA approval for CNA deployment/employment, and assist in deconflicting all DoD CNA operations with CND and CNE operations across the C/S/As, to include obtaining CNA COA approval from NCA. The Headquarters will also continue to provide Special Technical Operations (STO)/counter-space integration with CNA planning and capabilities. The HQ staff will work with JTF-CNO to assess the operational effectiveness of CNA operations and the readiness of CNA capabilities. The HQ staff will also coordinate and support organizing, planning, and participation in supported CINC and component exercises, as well as the integration of CNA into joint and multi-command exercises.

3.5 (U) JIOC. The JIOC will assist supported CINCs with integrating IO planning support (less CNO) into planning documents. The JTF-CNO will provide CND and CNA planning expertise and will assume the CNA planning/coordination role previously

assigned to the JIOC in the CNA CONOP. Consequently, planning support from USSPACECOM will likely consist of elements from JIOC, JTF-CNO and HQ staff. This is discussed further in Section 4 of this IPLAN. To ensure the JTF-CNO is adequately staffed to meet its roles and responsibilities by October 03 six (6) approved JIOC 02 billets are being transferred to the JTF-CNO. To provide the expertise required at the JIOC to provide CND/A planning support four (4) additional billets for the JIOC will be addressed as new requirements to the Joint Staff and to the JMVB.

3.6 (U) CNO Operations Billets. The billets approved to date for USSPACECOM J3 CND and CNA operations is 31 billets. The baseline operations billets at the JTF-CND is nine (9) billets. The JTF-CNO requirement is for 32 additional operations billets to meet the roles and responsibilities of the JTF-CNO. USSPACECOM is transferring 24 operations billets (14 CNO billets, three (3) USSPACECOM baseline J3 billets, four (4) J6 CNO billets and three (3) JIOC CND/A billets) to JTF-CNO to perform the roles and responsibilities discussed in this section. The eight (8) additional JTF-CNO J3 billets will be addressed as new requirements to the Joint Staff and to the JMVB. The JTF-CNO J3 requirement also includes 13 technical support contractors. The command has six (6) existing technical support contractors and requires seven (7) additional positions to be funded. HQ USSPACECOM is retaining 16 billets and will address seven (7) additional billets as new requirements to the Joint Staff and the JMVB.

SECTION 4 - PLANS, REQUIREMENTS AND POLICIES (U)

4.1 (U) Introduction. This section discusses USCINCSPACE support to CINC planning, requirements collection and advocacy, and CNO policy development responsibilities. It is important to note that CNO acts as a force multiplier and enhances or enables a variety of USSPACECOM missions and is integrated into those efforts. Therefore, the USSPACECOM planning, requirements and policy activities are integrated to support each mission process.

4.2 (U) Plans. Planning requirements address deliberate and crisis action planning efforts as well as specific planning functions each organization will be required to conduct to satisfy the USCINCSPACE CNO mission. USSPACECOM planning efforts can be broken down into the following areas: Space and Counter-Space planning, IO planning and CND/A planning. Operational support provided by USSPACECOM will be coordinated through the SPOC, which works closely with USSPACECOM Liaison Officers (LNOs) located at the supported CINC's headquarters. The following matrix captures the USSPACECOM planning responsibilities by organization. The JIOC and JTF-CNO provide planning support to USCINCSPACE for IO and CND/A in the same manner they provide it to any other supported Joint Force Commander. Table 4-1 depicts the lead organization for the each area of operational planning support.

Deliberate Planning Support Matrix				
	Space	**Counter-Space**	**IO**	**CND/CNA**
USSPACECOM	SPJ5B	SPJ32	JIOC	JTF-CNO
Other CINCs	SPJ5B	SPJ32	JIOC	JTF-CNO
Crisis Action Planning Support Matrix				
	Space	**Counter-Space**	**IO**	**CND/CNA**
USSPACECOM	SPJ36	SPJ32	JIOC	JTF-CNO
Other CINCs	SPJ36 (JSST)	SPJ32	JIOC	JTF-CNO

Table 4-1 Operational Planning Support Lead (U)

4.3 (U) Deliberate Planning Support.

4.3.1 (U) Computer Network Defense/Attack Support. USSPACECOM will support other Combatant Commanders for CND/A planning through the JTF-CNO. USSPACECOM will coordinate, advise and assist Combatant Commanders to plan and carry out CND/A planning (OPLANs, CONPLANs, and TEP development as well as drafting appendixes and annexes to these plans). The JTF-CNO and JIOC will work closely together to ensure all CND/A plans are integrated into regional IO plans and are in concert with USSPACECOM overall strategic IO and CND/A planning.

4.3.2 (U) Counter-Space Support. USSPACECOM provides regional and strategic counter-space planning support through the USSPACECOM J32. Counter-space support includes assisting the USSPACECOM J5 planning effort for OPLANs, CONOPs and TEP development and coordination on regional and strategic Counter-Space planning efforts. The JTF-CNO and JIOC will coordinate with USSPACECOM J32 and J5 to ensure CNO and IO measures are incorporated into all counter-space plans and are evaluated for effectiveness.

4.3.3 (U) Information Operations Support. USSPACECOM provides IO planning support to the Combatant Commanders through the JIOC. The JIOC, with augmentation from the JTF-CNO Regional Support Teams for CND/A, will provide regional and theater IO planners to develop synergistic IO plans and IO annexes to planning documents.

4.3.4 (U) Space Support. USSPACECOM provides regional and strategic space planning support through the USSPACECOM J5. This support includes the development and coordination of strategic, tactical and regional space OPLANs, CONPLANs, CONOPs and TEPs to support the regional and strategic space missions.

4.4 (U) Crisis Action Planning Support. USSPACECOM will support the Combatant Commanders crisis action planning efforts the same way the Command supports deliberate planning. Crisis action planning support includes planning efforts focused on Space, Counter-space, Information Operations and CND/A plans development and the integration of CND/A into these planning documents.

4.4.1 (U) Computer Network Defense and Attack (CND/A). The JTF-CNO will support and conduct CND/A crisis action planning support using JTF-CNO Regional Support Teams. These teams will work closely with the components, agencies and organizations that deal with CND/A in support of all crisis action planning. The JTF-CNO will also coordinate with the JIOC support teams during crisis action planning to ensure that the CND/A plans are in concert with and complement the overall IO plan.

4.4.2 (U) Counter-Space Support. USSPACECOM will support Combatant Commanders' counter-space crisis action planning through the USSPACECOM J32. The USSPACECOM J32 will work closely with the USSPACECOM J5, JTF-CNO and JIOC to ensure CND/A and IO are incorporated into counter-space crisis action plans. The JTF-CNO and JIOC will support USSPACECOM J32 counter-space crisis action planning efforts by drafting the appropriate annexes and appendixes to counter-space plans and ensure CND/A and IO plans complement one another and enhance the overall counter-space plan.

4.4.3 (U) Space Support. USSPACECOM will support the Combatant Commanders' space crisis action planning efforts through the SPOC. The SPOC has the lead for organizing and convening the USSPACECOM Crisis Action Team (CAT). The CAT will draft the appropriate space support appendixes to theater plans.

4.4.4 (U) JTF-CNO. JTF-CNO Regional Support Teams will proceed directly from JTF-CNO and will report to the supported commander either as an individual team or as an element of a larger team team organized and provided by USSPACECOM. Support from a variety of USSPACECOM organizations is more likely and therefore requires greater centralized coordination due to overlaps between CNO and space missions that reside within SAP and classified planning channels.

4.4.5 (U) JIOC. With the exception of CND/A, the JIOC will support and conduct all facets of IO (less CNO) crisis action planning. They will coordinate with the JTF-CNO for CND/A expertise and support to IO plans. The JTF-CNO and JIOC will coordinate on all Space plans to ensure that IO and CND/A plans are in concert and enhance the overall Space Support planning effort.

4.5 (U) Requirements. Through close coordination with the C/S/As, USCINCSPACE is responsible for gathering, collating, developing, prioritizing and advocating CNO requirements in accordance with CJCSI 3170.01. Additionally, if directed by the Joint Resource Oversight Council (JROC), USSPACECOM is responsible for developing a CNO Capstone Requirements Document (CRD). This includes collecting and reviewing CINCs' and DoD Agencies' mission needs/requirements and conducting a thorough operational assessment of current and future mission requirements. USSPACECOM will assess current, programmed and future capabilities needed to fulfill identified CNO mission needs, identify and prioritize resource shortfalls into a defensible set of deficiencies and recommendations, and assess progress towards attaining defined USSPACECOM operational concepts.

4.5.1 (U) USSPACECOM. Through close coordination with the C/S/As, USSPACECOM will develop, collate, prioritize, and advocate CNO plans, concepts, and mission-level requirements. Using established mechanisms, USSPACECOM will assist in development and support of command and DoD partnerships with selected industry, academia and allies, including development of necessary memoranda of agreement/ understanding (MOA/MOU). USSPACECOM will sponsor and support CNO mission-level and capstone requirements for the Joint Warfighting Capabilities Assessment (JWCA) and JROC.

4.5.2 (U) JTF-CNO. The JTF-CNO will provide advice and support to HQ staff in the development of CNO mission needs/requirements. These responsibilities include providing input to the USSPACECOM requirements collection process and participating in and providing technical expertise for direct support to the USSPACECOM CNO Mission Area Assessment Working Group (MAWG).

4.5.3 (U) JIOC. The JIOC will collect, review and prioritize CINCs' IO mission needs/requirements. The will provide input to USSPACECOM requirements collection process and participate in and provide technical expertise for direct support to the USSPACECOM CNO MAWG.

4.6 (U) Policy. The advent of new and evolving warfare areas or capabilities requires the corresponding development of National and DoD policies to ensure the capabilities are employed in accordance with the law and in support of national geo-military-political objectives. USCINCSPACE, as the military lead for CND and CNA, will lead C/S/A coordination during the development of Joint and DoD CND and CNA policies. To accomplish this, USSPACECOM will leverage existing liaison and coordination relationships with the C/S/As to maintain an understanding of policy issues impacting employment of CND and CNA capabilities. USSPACECOM will advocate these policy issues through the established Joint Staff and OSD policy development processes. USCINCSPACE's goal is to provide warfighters with definitive CND and CNA policy guidance for execution of their assigned missions.

4.6.1 (U) USSPACECOM. USSPACECOM will develop and coordinate with OSD, Joint Staff and C/S/A, regarding DoD CND and CNA policies. USSPACECOM will advocate DoD CND and CNA policies within the Joint Staff and OSD policy development processes, and advocate and support the development of an integrated national concept and strategy for CNO. CNO standing rules of engagement (SROE) will be developed and recommended to the Joint Staff.

4.6.2 (U) JTF-CNO. JTF-CNO will provide advice and support to USSPACECOM in the development of CND and CNA policies and doctrine needs and issues.

4.6.3 (U) JIOC. The JIOC will provide technical advice and support to USSPACECOM in the development of DoD IO policies and doctrine.

4.7 (U) Plans Billets. The billets approved to date for USSPACECOM J5 CND and CNA mission support is 11 billets. Three (3) J5 billets were transferred to USSPACECOM J8 for CNO resource planning support. The baseline planning billets at the JTF-CND is four (4) billets. The JTF-CNO requirement is for five (5) additional J5 billets to meet the roles and responsibilities of the JTF-CNO. To help satisfy the increase in workload at the JTF-CNO discussed in this section, USSPACECOM will transfer one (1) CNO billet and one (1) JIOC CND/A billet to the JTF-CNO. The three (3) additional JTF-CNO J5 billets requested will be addressed as new requirements to the Joint Staff and to the JMVB. The JTF-CNO J5 requirement also includes four (4) technical support contractors. The command has two (2) existing technical support contractors and requires two (2) additional positions to be funded. HQ USSPACECOM will retain seven (7) J5 planning billets on the HQ staff.

SECTION 5 – CNO MISSION SUPPORT

5.1 (U) Introduction. The primary focus of this section is to address the organizational structure and responsibilities that have resulted from evolving the JTF-CNO into a more responsive and integrated CND/A component of USSPACECOM.

5.2 (U) Overview. The JTF-CNO requires a mission support staff as it grows to meet its global mission and remain DoD's primary operations center to monitor and respond to an increasing number of attacks and intrusions against DoD computer systems and networks. To improve the unity of command, the JTF-CNO/J1/J4/J6/J8 support functions will be combined under the Support Services Directorate and will be headed by a GS-15 Director. Currently, one O-4 position and one Civil Service position man the JTF-CNO/J1/J4/J6/J8. This Directorate was originally manned to support the JTF-CND organization of 35 personnel, but growing the JTF-CNO to 145 will make this Directorate severely under-manned. The Support Services Directorate will be responsible for personnel management, property management, information systems support, administration support, resource management and contracting management and other support needs of the JTF-CNO. An increase in manpower is required to ensure the JTF-CNO/J2/J3/J5 Directorates are not encumbered with mission support tasks and are able to devote their full attention to meeting the Warfighting CINCs' CNO requirements.

5.3 (U) Administration and Personnel Directorate (J1).

5.3.1 (U) NORAD-USSPACECOM J1 (NSP/J1). NSP/J1 provides overall management of personnel and administration on behalf of USCINCSPACE. NSP/J1 will develop personnel policies, administer military and civilian personnel within the command and provide assistance requested by the JTF-CNO.

5.3.2 (U) JTF-CNO J1. The JTF-CNO J1 is responsible for all aspects of personnel support to the CJTF-CNO, his staff, and JTF-CNO components. This directorate coordinates with NSP/J1 to resolve personnel issues with Service personnel offices and other CINC J1 staffs. They oversee preparation of performance reports and appraisals (OERs/Fitreps/Awards, etc.) for (projected) 48 military, 44 Civil Servants, and 12 LNOs. Smart use of administrative pooling will provide the JTF-CNO a robust and efficient capability to meet the administrative needs to track White House-to-DEPSECDEF-to-Joint Staff-to-CINC level correspondence and taskings. The administration section will also be responsible for coordinating travel for JTF-CNO personnel.

5.4 (U) Logistics and Resources Directorates (J4/8).

5.4.1 (U) NORAD-USSPACECOM J4 (NSP/J4). NSP/J4is responsible for developing logistics plans, and for coordinating and supervising supply, maintenance, repair, transportation, construction, and related logistics activities. Since logistics support is a Service responsibility, the primary thrust of joint logistics operations is to coordinate

Service programs. The NSP/J4 focus is overseeing command-wide construction programs (e.g., new HQ building), bed-down of personnel, and advocating additional floor space to meet mission requirements. NSP/J4 will assist JTF-CNO in any logistics or construction requirements identified by CJTF-CNO.

5.4.2 (U) NORAD-USSPACECOM J8 (NSP/J8). NSP/J8 serves as the resource focal point for USSPACECOM. They provide fiscal guidance to all USSPACECOM component commands to include the JTF-CNO. NSP/J8 collects spending requirements and submits them to the Services through components during Program Objective Memorandum (POM) development. They advise USCINCSPACE on the extent to which the major programs and policies affecting Space and CNO conform to strategic plans and projected budget requirements. They also support the JTF-CNO in fiscal management of allocated funding and works any budgetary shortfalls during execution year.

5.4.3 (U) JTF-CNO/J4/J8. JTF-CNO has combined logistics and resources into a single branch to efficiently manage these key disciplines. The budget analysis branch will supervise budget development and execution on behalf of the CJTF. Currently, the annual budget of the JTF-CND is $3.1M. The JTF-CNO budget will grow to a projected annual budget of $22M. This increase in obligation authority dictates that a full time budget analyst be provided to the JTF-CNO to ensure the funding allocated to this operational unit is efficiently spent. There is a reciprocal increase in technical support to ensure the JTF-CNO has the manpower required to successfully execute the global mission. Twelve technical support personnel are currently assigned to the JTF-CNO. The JTF-CNO will grow its technical support to approximately 41 billets, an increase of potentially 29 billets. A contracting officer will be added to the JTF-CNO to manage technical support requirements. This will also enable the JTF-CNO to directly address any surge demands required to obtain the technical expertise they need to respond to new cyber threats against the DII. Finally, the JTF-CNO requires a property manager to manage facilities and ensure equipment accountability.

5.5 (U) Command, Control, Communications, and Computer (C4) Directorate (J6).

5.5.1 (U) NORAD-USSPACECOM/J6 (N-SP/J6). In addition to their traditional role of handling command responsibilities for communications, network information assurance (IA), spectrum management, and global SATCOM support, N-SP/J6 takes on the added responsibility as the CND/IA Integrator to provide strategic support to the JTF-CNO. In this capacity, N-SP/J6 will develop and advocate DoD-wide technical architectures, policy, procedures, requirements, standards, technology, and training to ensure JTF-CNO operational CND direction is successfully executed through the technical IA channels (to include Chief Information Officers, Designated Approval Authorities, network managers, and system administrators). The following paragraphs address the key strategic CND/IA integration areas for which N-SP/J6 is lead.

5.5.1.1 (U) Foster industry and non-DoD technical CND/IA partnerships. This includes participating in industry forums like the National Security Telecommunications Advisory Committee (NSTAC). N-SP/J6 has the command lead in representing the CNO mission

area in a consortium of federal departments, agencies, and various elements of the telecommunications industry. They will provide inputs on a wide range of policy and technical issues related to telecommunications, information systems, information assurance, infrastructure protection and other areas of interest related to CNO. Information exchange is the primary purpose for industry partnership. N-SP/J6 will ensure the information they gain by participating in these meetings is shared throughout the Command, but especially with the JTF-CNO to enhance the JTF-CNO's day-to-day execution of its assigned mission.

5.5.1.2 (U) Develop Joint CND/IA training certifications and exercise standards. The successful execution of the CNO mission is highly dependent on trained and qualified system administrators and network managers. N-SP/J6 will continue in their advocacy role to gain more manpower and resources to support this mission. They will help develop a training program capable of evolving a raw recruit or new Civil Servant into a qualified CNO resource based on an acceptable career path. N-SP/J6 will co-chair a DoD IA Training and Certification Working Group with the Navy. N-SP/J6 will also provide technical assistance in developing CNO exercise standards to maintain command and DoD-wide readiness and increase proficiency. Finally, they will advocate incorporating CNO into exercises and wargames and provide exercise support to a regional CINC if directed to do so.

5.5.1.3 (U) Act as technical advisor for CND/IA strategic issues. Strategic issues include participating in IAVAs, DITSCAP, Top Secret and Below Interfaces (TSABI) reviews, Joint Monthly Readiness Review (JMRR), and Information Operations Condition (INFOCON) developmental efforts. N-SP/J6 will advocate JTF-CNO positions/issues and, if necessary, develop policy/procedures to be discussed with OASD/C3I, the Defense Information Assurance Panel (DIAP), and Joint Staff/J6K. Additionally, they co-chair the USSPACECOM CNO MAWG to discuss and identify future requirements for the CNO mission area.

5.5.1.4 (U) Advocate Defense Information Infrastructure (DII)/Global Information Grid (GIG) CND/IA Protection Strategy. Developing an effective defense-in-depth IA protection strategy requires that network nodes, sensors, and reporting structures are in-place and optimized to assure rapid identification and correlation of all malicious activity. N-SP/J6 is better suited to take on long term projects including conducting a DoD Network Impact Study (e.g., SIPRNET to NIPRNET/Internet Interconnectivity feasibility) and co-chairing a sensor grid study (how best to protect DISN gateways to enterprise/ enclave level networks) with HQ DISA. N-SP/J6 also leads the development effort for a DoD network common operations picture.

5.5.1.5 (U) Command-wide CND/IA Situational Awareness. The N-SP/J6 will establish a USSPACECOM Joint Communications Control Center (JCCC) to manage all communications systems and networks that NORAD and USSPACECOM rely on during joint operations and exercises. The JCCC will serve as the single point of contact and have the responsibility for all USSPACECOM C4 matters. The JCCC will perform planning, execution, technical direction, and management of all Command information

systems to include the protection and defense of computer networks in coordination with the JTF-CNO. The JCCC will also provide technical support and advise to the SPOC and provide the JTF-CNO and SPOC with the ground truth on how well CNO direction is being executed.

(U) 5.5.1.6 ~~(S/NF)~~ JTF-CNO J6. This Directorate provides the necessary C4 support for the JTF-CNO to meet its information technology needs. Two technical support personnel will provide local area network management and system administration support. This will include administration and maintenance of NIPRNET, SIPRNET and JWICS networks the JTF-CNO needs to execute the CNO mission. Also, technical support personnel will provide knowledge management of all information products, support to current operations, and scheduling and operation of video-teleconferencing equipment. They will also be responsible for administering and maintaining any other special systems that may reside in the JTF-CNO such as PDAS, STO or SAP systems.

5.6 (U) PAO, LE/CI, JA and Director of Technology. The original CNO requirement for USSPACECOM included one PAO billet, one (1) JA billet and one (1) J1 billet. To date, only the JA billet has been validated. The JTF-CNO requirement is for one PAO billet, two LE/CI billets, two (2) JA billets and three Director of Technology billets. The baseline number in these areas totals two (2) billets. USSPACECOM has transferred two (2) baseline billets to satisfy the immediate need. The remaining four (4) billets requested will be addressed as new requirements to the Joint Staff and to the JMVB. The JTF-CNO requirement for these areas also includes four (4) technical support contractors. USSPACECOM has no existing technical support contractors and requires four (4) additional technical support contractors.

5.7 (U) J1/4/6/8 and Command Group Billets. The billets approved to date for the USSPACECOM J6 CND and CNA mission support is 20 billets. The baseline billets at the JTF-CND is two (2) J/1/4/6/8 billets and two (2) Command Group billets. The JTF-CNO requirement is for an additional nine (9) J1/4/6/8 billets and five (5) Command Group billets. To help satisfy the increase in workload at the JTF-CNO USSPACECOM will transfer four (4) J6 CNO billets and two JIOC CND/A billets to the JTF-CNO. The eight (8) (five (5) J1/4/6/8 and three (3) Command Group) additional billets for the JTF-CNO requested will be addressed as new requirements to the Joint Staff and the JMVB. The JTF-CNO requirement also includes 11 (seven (7) J1/4/6/8 and four (4) Command Group) technical support contractors. USSPACECOM has no existing technical support contractors and requires 11 additional technical support contractors.

SECTION 6 – RESOURCES (U)

6.1 (U) Introduction. This section identifies the resources and the processes needed to perform the CNO mission at USSPACECOM and JTF-CNO through the Future Years Defense Program (FYDP). We have reviewed and realigned existing billets and funding from HQ USSPACECOM to the JTF-CNO and developed a strategy for requesting the remaining disconnects (both billets and funding) via the Planning, Programming and Budgeting System (PPBS) processes.

6.2 (U) JTF-CNO Transition. From its inception under the SECDEF charter in 1998, the JTF-CND received funding support from the Defense Information Systems Agency (DISA). This section provides a brief background of the JTF-CNO manning and funding decisions required to transition JTF-CND resourcing from DISA to USSPACECOM beginning in FY02, and to transition the JTF-CND and DDO-CNA into the JTF-CNO effective April 2001.

6.3 (U) Military and Civil Service. Figure 6-1 depicts the approach to fulfilling the JTF-CNO manpower requirements based on the original CJTF-CNO resource projections. A mission analysis conducted by CJTF concluded that a total of 101 military and civil service billets were needed to adequately meet both CND and CNA mission requirements. The red, yellow and green shaded areas represent subjective, notional capability assessment levels based on a requirement of 101 billets.

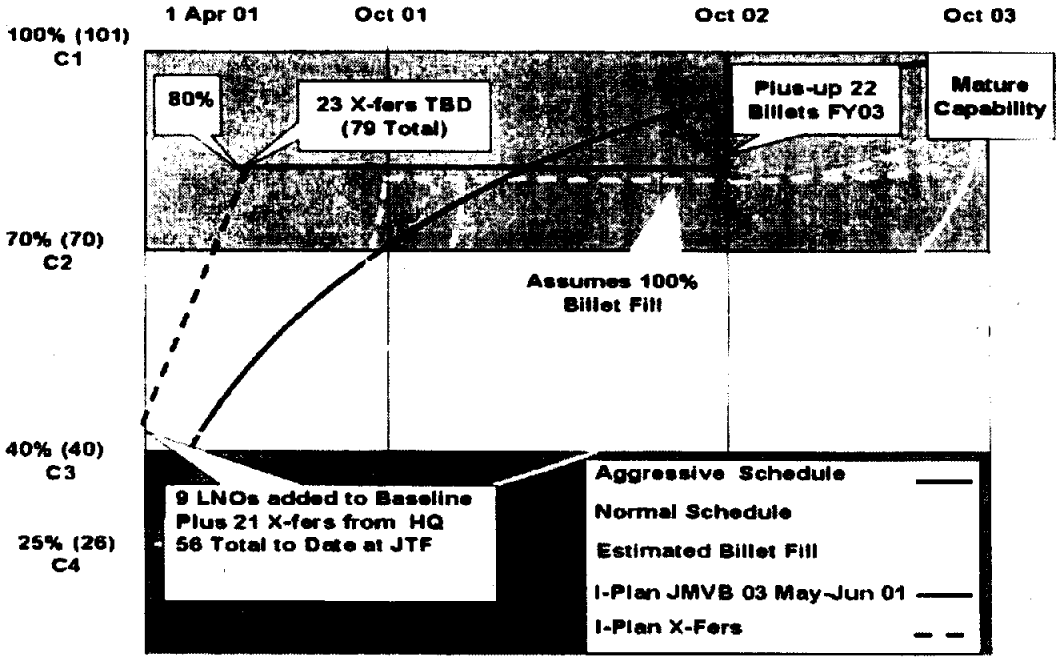


Figure 6-1 JTF-CNO Military/Civilian Manning

6.4 (U) Resourcing. The normal schedule for resourcing a JTF over the FYDP prevented the JTF-CNO from reaching full operational capability and satisfy all mission requirements. JTF-CNO started with a billet level of 26 to perform the entirely new CND mission (depicted by the red shaded area). The JTF-CNO also received nine (9) LNOs from various mission partners (LE/CI, etc.). An additional 21 billets were transferred from the HQ staff to the JTF-CNO in Oct 00 largely in support of the new CNA mission. This brought the JTF-CNO billet level to 56 (depicted by the yellow shaded area). To complete the billet requirement, an additional 23 billets were identified for transfer to the JTF-CNO. Additional billets will be requested via the JMVB to reach the required number of billets by Oct 02.

6.5 (U) Technical Support. The JTF-CNO technical support requirements are depicted in Figure 6-2. Funding for the additional 29 technical support billets was added to the original baseline of 12 to satisfy mission requirements in the conclusions section of the CJTF-CNO mission analysis.

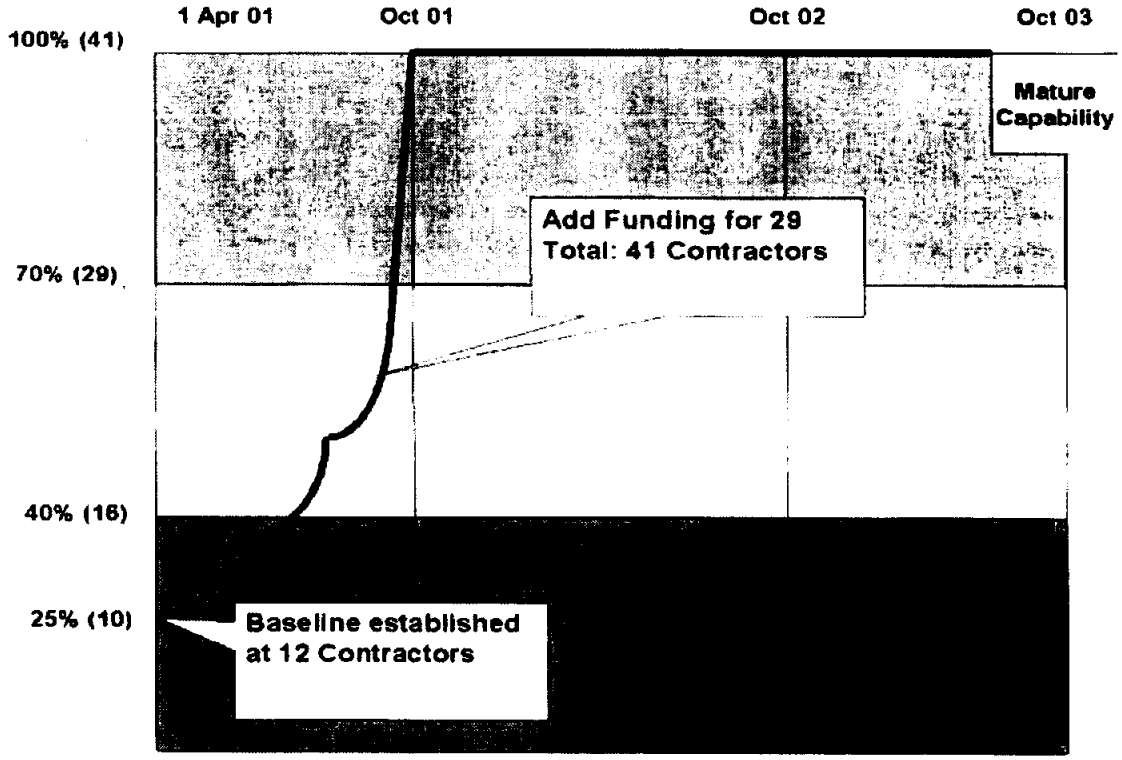
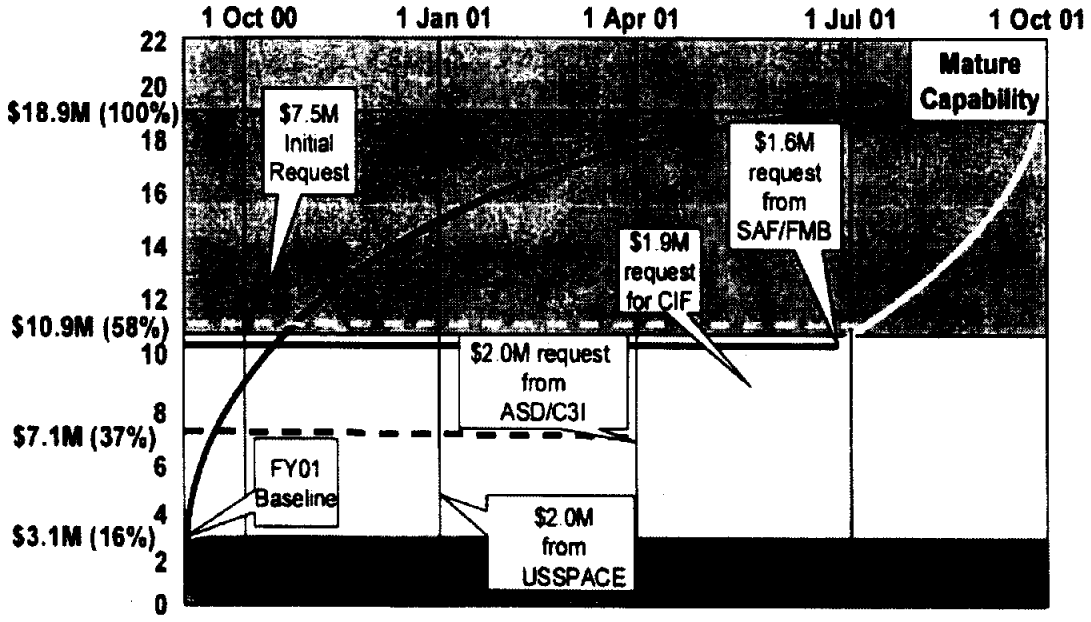


Figure 6-2 JTF-CNO Technical Support Requirements (U)

6.6 (U) JTF-CNO Funding.

6.6.1 (U) JTF-CNO Funding Requirements for FY01. The baseline funding level provided by DISA to the JTF-CNO in FY01 of $3.1M (see Figure 6-3). The JTF-CNO requested an additional $7.5M in new funding to support their expanding mission requirements, bringing their baseline funding level to $10.6M. USSPACECOM developed a normal funding strategy to satisfy the JTF-CNO funding requirements through a combination of internal and external funding sources. USSPACECOM provided $2M to the JTF-CND in FY01 for facility improvements/expansion and manpower (civilian and contractor). Other FY01 requests pending approval are: $2M from ASD (C3I), $1.9M in CINC Initiative Funds (CIF) funding and $1.6M from the Air Force (Budget Execution Review).



(U) Figure 6-3 JTF-CNO Funding Requirements for FY01

6.6.2 (U) JTF-CNO Funding Requirements for FY02-FY07. Beginning in FY02, USSPACECOM will assume responsibility for funding the JTF-CNO (vice DISA). Figure 6-4 depicts the JTF-CNO funding requirements for the FY02 through FY07 FYDP. The number one funding priority for JTF-CNO is manpower. In addition to the baseline funding for operations and maintenance (O&M) previously provided by DISA, USSPACECOM will allocate $5.5M for increased technical support and funding for 25 transferred Civil Service positions as they are hired beginning in FY02. Approximately $2.2M will be funded to support the increased O&M budget required to implement the JTF-CNO roles and missions outlined in this IPLAN. Once a 71% funding level is achieved, and execution is proceeding smoothly, USSPACECOM will work with the JTF-CNO to outline the modeling and simulation, exercise and wargaming support requirements and the corresponding increase in funding. Finally, USSPACECOM will

address any additional civilian pay increases resulting from the requested JMVB in the summer of 2001.

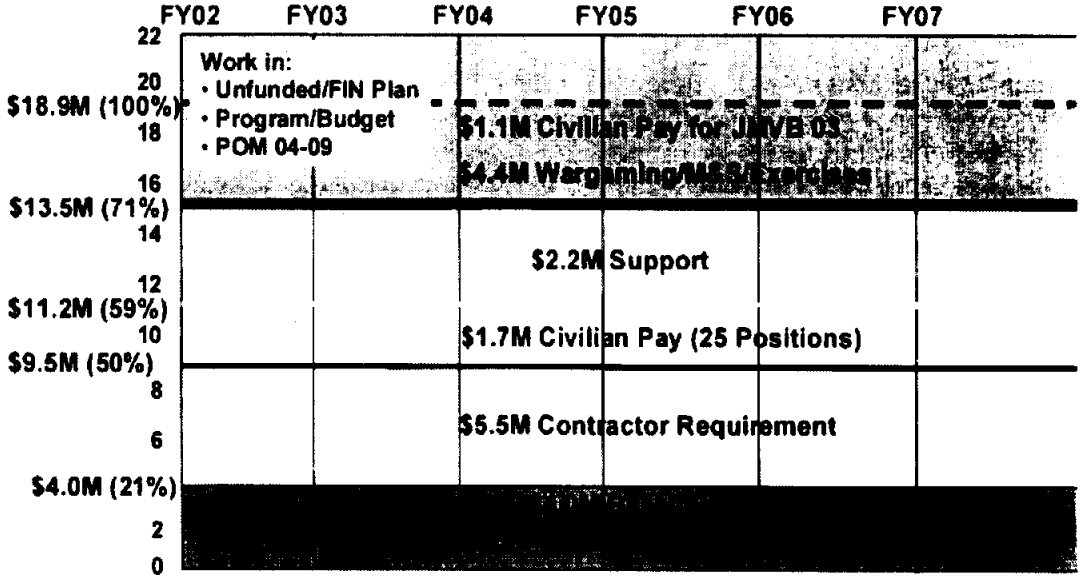


Figure 6-4 JTF-CNO Funding Requirements for FY01 to FY 07 FYDP (U)

6.6.3 (U) Funding Cycle. Key PPBS funding activities that established the current baseline are depicted in Table 6-1.

Date of Action	*PPBS Vehicle*	*Action*
24 Nov 98	*PBD 85*	*$ to DISA for JTF-CND Operations*
16 Aug 99	*PDM FY 01-05*	*$ to USSPACECOM for CND/A*
22 Dec 99	*PBD 713*	*Additional $ to USSPACECOM for CND*
22 Aug 00	*PDM FY 02-07*	*$ for USSPACECOM, JTF-CND and JIOC*
14 Dec 00	*PBD 23*	*$ transferred to USSPACE from DISA for JTF-CND*

Table 6-1 Current JTF-CNO Funding Baseline (U)

6.6.4 (U) Baseline. The current baselines created by the activities above still fall short of CNO mission needs and are being addressed through appropriate PPBS channels. Available funding has been realigned to meet the most immediate needs of the JTF-CNO and USSPACECOM for the CNO mission. While the disconnect amounts and realignment amounts have been coordinated with both organizations as well as OSD, the Joint Staff, and the Air Force (the Air Force is the executive agent for USSPACECOM), they may be adjusted once actual funding is received by N-SP/J8 for inclusion in PPBS activities. All funding requests should be fully staffed, prioritized, validated and approved by the CJTF-CNO before forwarding to USSPACECOM.

6.6.5 (U) Shortfalls. USSPACECOM will work with OSD, the Joint Staff and the Air Force to address shortfalls during PPBS exercises. Specific requirements and timelines are the Programming Processes (resulting in the Program Objective Memorandum (POM) or the Amended Program Objective Memorandum (APOM)) and the Program Review (resulting in the Program Decision Memorandum (PDM)).

6.6.5.1 (U) POM/APOM. The POM/APOM sets forth all FYDP funding requirements for all appropriations beginning two years from the current fiscal year. All JTF-CNO POM/APOM requirements will be sent to NSP/J8 for inclusion in the USSPACECOM POM/APOM submission. The inputs, to include disconnects, initiatives and offsets will be sent to N-SP/J8 each December. NSP/J8 will issue a formal "call" to the JTF-CNO each November/December time frame requesting this input.

6.6.5.2 (U) Program Review. Once the POM/APOM is sent to OSD (approximately May of each year) a review will begin—the outcome of that review is the Program Decision Memorandum (PDM). As the PDM is being prepared, the Joint Staff or OSD may call for issue outlines/issue papers. All JTF-CNO issue outlines and issue papers will be sent to N-SP/J8 for submission to the Air Staff, the Joint Staff, and OSD during each Program Review cycle. N-SP/J8 will manage the inputs throughout the process.

6.6.6 (U) Budgeting Processes.

6.6.6.1 (U) Budget Review. The budget review begins once the Budget Estimate Submission (BES) is submitted to OSD (approximately September of each year). OSD will issue Program Budget Decisions (PBDs) to the Joint Staff for comment and the Joint Staff will forward them to the Unified Commands. All JTF-CNO PBD reclamas and Major Budget Issues (MBI) submissions will be sent to N-SP/J8 for submission to the Air Staff, the Joint Staff and OSD during each Budget Review cycle. N-SP/J8 will manage the inputs throughout the process.

6.6.6.2 (U) O&M Financial Plan. This IPLAN portrays one year of O&M funding requirements for the upcoming fiscal year. O&M requirements will be both for funded and unfunded items and will require specific justification. The O&M financial plan is due to the Air Staff in March of each year. N-SP/J8 will issue a formal "call" to the JTF-CNO each December. All JTF-CNO financial plan submissions will be sent to N-SP/J8 for submission to the Air Staff.

6.6.7 (U) Execution Year Funding Process (Budget Estimate Review (BER), unfunded requirements).

6.6.7.1 (U) O&M Unfunded Requirements. O&M funding may be inadequate during the execution year. When a shortfall occurs, it should be well justified, then forwarded to N-SP/J8. Normally, unfunded requirements will be called for each May. Any out-of-cycle unfunded requirement must be fully staffed/justified before forwarding to N-SP/J8.

The JTF-CNO unfunded requirements will be blended into the overall USSPACECOM unfunded requirements list.

6.6.7.2 (U) Other Procurement Funding Requirements. Any time the unit or system cost exceeds $100,000, an item will likely need to be procured using 3080 funding. Requests for those funds will also be sent to N-SP J8. These requirements will be forwarded on an as-needed basis.

6.6.8 (U) Special Funding Needs. CIF and C2IP funds come from the Joint Staff vice the Air Force. CIF funds may be requested at any time through N-SP/J8 in accordance with guidance in CJCSI 7401.01A. C2IP funds may only be requested once a year and guidance is issued each March.

6.6.9 (U) Funding Documents. Funding documents contain the legal limits for spending appropriated funds. These documents will flow to the JTF-CNO/J8 office from N-SP/J8.

6.7 (U) Table of Allowance (TOA). The FY 01 allocation for CNO is $17.6M million for HQ USSPACECOM and the JTF-CNO. In FY01, the JTF-CNO portion ($5.1M) is located within the DISA baseline. Beginning in FY02, JTF-CNO funding transfers from DISA to USSPACECOM. Funding within the FYDP (based upon the FY03-07 Amended Budget Estimate Submission (ABES) as adjusted by Program Budget Decisions (PBD)) is displayed below in Table 6-2. The amounts for FY02 and out-years are projections and should be used for planning purposes, but are subject to Congressional, OSD, and Air Force adjustments.

	Air Force TOA ($ in millions)—Excludes MILCON						
	FY 01	FY 02	FY 03	FY04	FY 05	FY 06	FY 07
USSPACECOM CNO	12.5	12.8	11.7	12.2	13.0	13.4	14.0
USSPACECOM CNO PROCUREMENT		9.8	2.3				
JTF-CNO O&M	5.1	13.5	13.1	13.3	13.4	13.4	13.5
TOTAL PROGRAM	17.6	36.1	27.1	25.5	26.4	26.8	27.5
DISCONNECT	5.5	5.6	5.6	5.6	5.7	5.7	5.7
TOTAL REQUIREMENT	23.1	41.7	32.7	31.1	32.1	32.5	33.2

Table 6-2 Projected JTF-CNO Funding (U)

6.8 (U) Billets. The following table provides a listing of the CND and CNA billets on the HQ staff and the JIOC that remain in place or have been or are being transferred to the JTF-CNO. The figure follows the Key provided.

#	PARA	LINE	TITLE	SVC	GRADE	SKILL	VAL'ED	YR/ JTF	
KEY			**USSPACECOM Approved Billets** / **Approved Billets Transferred to JTF-CNO** / **Unvalidated Billets** / **Proposed JIOC Billets to Transfer to JTF CNO**						
1	0003	002	CHIEF OPERATIONAL LAW	F	O5	51J4	Y	FILL	
1	8000	003	EXECUTIVE SECRETARY	F	GS7	3A071	Y	FILL	
2	8100	001	CHIEF, PLANS & PROGRAMS BR	F	O5	16R4	Y	FILL	
3	8100	002	PLANS AND PROGRAMS ANAL	F	GS13	65F4	Y	FILL	
1	2130	002	DEPUTY CHIEF	F	GS13	33S4	Y	FILL	
2	2130	004	CND/A PLANNER	F	GS11	14N4	GDIP*		
3	2130	005	CHIEF, J2 WATCH	N	E8	9304	Y JTF	01T	J2
4	2359	001	INTELLIGENCE SPECIALIST	F	GS13	14N3	Y	FILL	
5	2359	002	INTELLIGENCE SPECIALIST	F	GS11	14N3	Y	FILL	
6	2359	003	INTELLIGENCE SPECIALIST	F	GS12	14N3	Y	FILL	
7	2359	004	INTELLIGENCE SPECIALIST	F	GS12	14N3	Y	FILL	
8	2359	005	INTELLIGENCE SPECIALIST	F	GS12	14N3	Y	FILL	
9	2359	006	CNA INTELLIGENCE ANALYST	F	GS11	14N4	Y JTF	01T	J2
10	2359	007	CNA INTELLIGENCE ANALYST	F	GS11	14N4	Y JTF	01T	J2
11	2359	008	CNA COLLECTION MANAGER	F	GS11	14N4	Y JTF	01T	J2
12	2359	009	INTELLIGENCE ANALYST	F	GS12	14N4	GDIP*	01	
13	2359	010	INTELLIGENCE OFFICER	F	GS12	14N4	GDIP	01	
14	2359	011	CNO INTELLIGENCE ANALYST	F	GS12	14N4	Y JTF	01T	J2
15	2359	012	SPECIAL DUTY OFFICER	F	GS12	14N4	GDIP*	01	
16	2359	013	CND OPS OFF/DET 1	N	E6	9304	Y JTF	01T	DET
17	2359	014	DEPUTY J2 WATCH NCO	N	E6	9304	Y JTF	01T	J2
18	2359	015	J2 WATCH NCO	N	E6	9304	Y JTF	01T	J2
19	2359	016	SPECIAL DUTY OFFICER	F	GS	14N4	GDIP*	01	

Table 6-3 Manpower Information - All CNO Billets (U)

#	PARA	LINE	TITLE	SVC	GRADE	SKILL	VAL'ED	YR/ JTF	
20	2359	017	J2 WATCH NCO	N	E6	9304	Y JTF	01T	J2
21	2359	018	STRATEGIC INTELLIGENCE	F	GS13	14N4	Y	01	
22	2359	019	STRATEGIC INTELLIGENCE	A	O3	34A00	Y	FILL	
23	2359	020	STRATEGIC INTELLIGENCE	F	GS12	14N4	GDIP*	01	
24	2359	021	INTEL OPERATIONS	F	GS13	14N4	Y	01	
25	2359	022	INTELLIGENCE OFFICER	F	GS12	14N4	GDIP*	01	
26	2359	024	INTELLIGENCE OFFICER/DET 1	F	GS13	14N3	Y JTF	01T	DET
27	2359	027	COMM COMP SPEC/TECH ANAL	F	GS12	33S3	Y	01	
28	2359	028	COMM COMP SPEC/TECH ANALYST	F	GS11	33S3	Y	FILL	
29	2420	004	COMM COMP SPEC/SYS SPT	F	GS13	33S3	Y	01	
30	2420	009	COMM COMP SPEC/TECH ANAL	F	GS12	33S4	Y	01	
31	2420	010	COMM COMP SPEC/TECH ANAL	F	GS12	33S4	Y	01	
32	2420	011	COMM COMP SPEC/TECH ANAL	F	GS11	33S4	Y	01	
1	3113	001	CNA EXERCISE PLANNING OFF	A	O4	30A00	Y	01	
2	3113	002	CND EXERCISE PLANNING SP	F	GS12	13S4	Y FILL	01	
3	3120	001A	DIVISION CHIEF	F	O5	13S4	Y	01	
4	3210	003	CND READINESS OFFICER	F	GS12	13S4	Y FILL	01	
5	3311C	001	J39, CHIEF CNA OPERATIONS	A	O5	25A00	Y JTF	01T	J3
6	3311C	002	CNA OPERATIONS PLANNER	F	O4	13S4	Y JTF	01T	J3
7	3311C	003	CNA SECURITY MANAGER	F	GS8	13S4	Y JTF	01T	J3
8	3311C	004	CNA SUPPORT: NSA/IOTC	F	O5	13S4	Y	FILL	
9	3311C	005	CNA OPS OFFICER/DET 1	F	GS13	13S4	Y JTF	01T	DET
10	3311C	006	DEPUTY DIRECTOR DET 2	A	O4	30A00	Y JTF	01T	DET
11	3311C	007	DEPUTY J5	A	O4	02A00	Y JTF	01	J5
12	3311C	009	CND OPERATIONS ANALYST	N	O4	1000	Y JTF	01	J3
13	3311C	010	CND PLANS OFF	M	O4	9910	Y	01	
14	3311C	011	CND/A PLANS OFFICER	F	O4	13S4	Y	FILL	
15	3311C	012	CNA COORD	N	O4	1300	R		
16	3311C	013	CNA COORD	A	O4	30A00	R		
17	3311C	014	CNA COORD	A	O4	30A00	R		
18	3311C	015	CNA COORD	N	O4	1300	R		
19	3311C	016	CNA COORD	F	O4	13S4	R		
20	3311C	017	CNA COORD	A	O4	30A00	R		

Table 6-3 Manpower Information - All CNO Billets (U)

#	PARA	LINE	TITLE	SVC	GRADE	SKILL	VAL'ED	YR/ JTF	
21	3311C	018	CNA COORD	F	O4	13S4	R		
22	3311C	019	CNA COORD	F	O5	13S4	Y	01	
23	3311C	020	CNO TRAINING	F	GS13	13S4	Y JTF	01	J3
24	3900	002	OPERATIONS ASSISTANT	F	GS7	3C071	Y	FILL	
25	3900	003	CND OPERATIONS ANALYST	F	GS12	13S4	Y JTF	01	J3
26	3910	001	CNA OPS REQS PLNR	F	O4	13S4	Y	01	
27	3910	003	CND OPERATIONS SPECIALIST	F	GS12	13S4	Y	FILL	
28	3910	004	DEPUTY J1	F	GS13	36P4	Y JTF	01	J1
29	3910	005	CNO CINC PLANNER	A	O4	30A00	Y JTF	01	J5
30	3910	006	CNO CINC PLANNER	N	O4	1300	Y JTF	01	J5
31	3910	007	CNA OPS OFF/DET 2	F	GS12	13S4	Y JTF	01T	DET
32	3910	008	CNA OPS NCO	F	E6	3C071	Y	01	
33	3920	001	CND INTEGRATION MGR	F	GS12	13S4	Y	FILL	
34	3920	002	RED TEAM OPERATIONS	F	GS13	13S4	Y JTF	01	DET
35	3920	003	JTCB LEAD	A	O4	30A00	Y	01	
36	3920	004	CNA SECURITY MGR	F	GS12	33S3	Y FILL	01	
37	3920	007	INFO MGT & SECURITY NCO	N	E5	0000	Y	01	
38	3900	001	J39 DIVISION CHIEF	N	O6	1300	Y	FILL	
1	5900	001	CND BRANCH CHIEF	N	O5	1300	Y	FILL	
2	5910	001	POLICY DEVELOPMENT OFF	N	O5	1000	Y	FILL	
3	5910	003	REQUIREMENTS OFFICER	F	GS12	33S4	Y	FILL	
4	5910	004	DELIBERATE PLANS OFFICER	A	O4	30A00	Y	FILL	
6	5910	006	SYSTEMS DEVELOPMENT OFF	F	GS12	33S4	Y	FILL	
7	5920	001	POLICY DEVELOPMENT OFFICER	A	O5	30A00	Y	FILL	
9	5920	004	CNA PLANS OFFICER	F	GS12	33S4	Y	FILL	
10	5920	005	FOREIGN DISCLOSURE OFF	F	GS12	14N4	Y JTF	01	J5
1	6900	002	COMPUTER SPECIALIST	F	GS14	33S4	Y	01	
2	6900	004	COMPUTER SPECIALIST	F	GS11	33S4	Y	01	
3	6900	007	INFO CENTER SUPERVISOR	N	E7	2739	Y	FILL	
4	6900	008	INFO SYS ANALYST/OPERATOR	A	E6	74B3O	Y	FILL	
5	6900	009	CINC SUPP TEAM	F	GS12	33S3	Y JTF	01	J3
6	6900	010	NET INFRASTRUCTURE SPEC	F	GS11	33S3	Y JTF	01	J3
7	6910	001	INFO SYS OFFICER	A	O4	30A00	Y	FILL	
8	6910	002	LEAD POLICY OFF	F	GS13	33S4	Y	01	

Table 6-3 Manpower Information - All CNO Billets (U)

#	PARA	LINE	TITLE	SVC	GRADE	SKILL	VAL'ED	YR/ JTF	
9	6910	003	DEPUTY J4/8	F	GS13	65F4	Y JTF	01	J4
10	6910	004	CINC SUPPORT TEAM	F	GS12	33S4	Y JTF	01	J3
11	6910	005	PDAS TECH	M	E7	4066	Y JTF	01	J1
12	6910	006	CINC SUPPORT TEAM	F	GS11	33S3	Y JTF	01	J3
13	6910	007	CONTRACT OFFICER	F	GS11	64P4	Y JTF	01	J1
14	6930	002	COMPUTER SPECIALIST	F	GS13	33S4	Y	FILL	
15	6930	003	PROPERTY MANAGER	F	E7	3C071	Y JTF	01	J1
16	6930	004	INFO SYS ANALYST/OPERATOR	A	E7	74B4O	Y	FILL	
17	6940	001	COMM AND INFO OFFICER	N	O4	1100	Y	FILL	
18	6940	002	COMPUTER SPECIALIST	F	GS12	33S4	Y	01	
19	6940	005	INFO CENTER SUPERVISOR	N	E7	2739	Y	FILL	
20	6940	007	INFO SYS ANALYST/OPERATOR	A	E5	74B2O	Y	FILL	
			HQ BASELINE BILLETS TO JTF						
1	3000	12	DEPUTY JTF CNO	N	O7	1000	JTF	FILL	S
2	3000	13	DIRECTOR J3	F	O6	16G4	JTF	FILL	J3
3	3000	15	DEPUTY DIRECTOR/DET 1 & 2	F	O6	16G4	JTF	FILL	J3
4	2400	001	DIRECTOR J2	N	O6	1610	JTF	01T	J2
5	2359	029	CNA OPS OFFICER/DET 1	F	O4	14N4	Y JTF	01T	DET
			PROPOSED JIOC BILLETS TO JTF						
1	03000	008	CNA EXERCISE PLANNING OFF		GS12	13S4	JTF	01	J3
2	03000	012	CNA OPS PLANNER		GS12	13S4	JTF	01	J3
3	03000	010	CNO OPERATIONS PLANNER		GS12	13S4	JTF	01	J5
4	03000	004	CNA STRATEGIC PLANNER		GS13	13S4	JTF	01	J3
5	03000	006	LAW ENFORCEMENT ANALYST		GS12	13S4	JTF	01	J1
6	03000	014	CI ANALYST		GS12	13S4	JTF	01	J1
			JMVB ISSUES FOR JTF						
1	0100	006	CHIEF OF STAFF JTF-CNO	F	GS15	16G4	R	02	S
2	0100	007	TECHNICAL ANALYST	F	GS12	33S4	R	02	S
3	0100	008	SJA	F	O5	51J4	R	02	J1
4	0100	009	DEP SJA	A	O4	55A00	R	02	J1
5	0100	010	CHIEF ADMIN SUPPORT	F	GS11	3A071	R	02	J1
6	0100	011	ADMIN ASST	F	GS7	3A071	R	02	J1
7	0100	012	ADMIN ASST	F	GS7	3A071	R	02	J1
8	0100	013	PUBLIC AFFAIRS SPECIALIST	F	GS13	35P4	R	02	J1
9	0200	011	CHIEF J2 CNO ANALYST	F	GS14	14N4	R	02	J2

Table 6-3 Manpower Information - All CNO Billets (U)

#	PARA	LINE	TITLE	SVC	GRADE	SKILL	VAL'ED	YR/ JTF	
10	0200	012	INTELLIGENCE TECH	F	GS9	14N4	R	02	J2
11	0200	013	CNA INTELLIGENCE ANALYST	F	GS13	14N4	R	02	J2
12	0300	011	OPS KNOWLEDGE MGR	F	GS12	33S4	R	02	J3
13	0300	012	CNA OPS NCO	F	E6	3C071	R	02	J3
14	0300	013	DIA SUPPORT	F	GS13	14N4	R	02	J3
15	0300	014	J31. CHIEF CINC SUPPORT TEAM	N	O5	1100	R	02	J3
16	0300	015	J3 VICE DIRECTOR OPERATIONS	F	GS15	13S4	R	02	J3
17	0300	016	CNA EXERCISE PLANNING	F	GS12	13S4	R	02	J3
18	0300	017	DEPUTY DIRECTOR, DET 1	A	O5	30A00	R	02	DET
19	0300	018	CNO PLANNER	M	O4	9910	R	02	J5
20	0300	019	J37 TRAINING AND EXERCISE	F	05	13S4	R	02	J3
21	0500	006	J5 CNO POLICY, DOC. REQS COORD	F	GS12	16R4	R	02	J5
22	0500	007	J5 FOREIGN DISCLOSURE SPEC	F	GS11	14N4	R	02	J5
			JMVB ISSUES FOR JIOC						
1	03000	023	AIR OPS SPECIALIST	F	O4	12FG3	R	02	
2	03000	027	INTELLIGENCE ANALYST	F	GS	0132	R	02	
3	06000	009	IO M&S SPECIALIST	N	O4	9735	R	02	
4	06000	010	IO M&S SPECIALIST	A	03	53A00	R	02	

KEY	USSPACECOM Approved Billets	Approved Billets Transferred to JTF-CNO	Unvalidated Billets	Proposed JIOC Billets to Transfer to JTF CNO

Table 6-3 Manpower Information – ALL CNO Billets (U)

6.9 (U) USSPACECOM Billets. The following table provides the billets to remain on the HQ staff. The figure follows the key provided.

#	PARA	LINE	TITLE	SVC	GRADE	SKILL	VAL'ED	YR/ JTF	
KEY			**USSPACECOM Approved Billets**		**Reclama Billets for JMVB Consideration**				
1	0003	002	CHIEF OPERATIONAL LAW	F	O5	51J4	Y	FILL	
1	8000	003	EXECUTIVE SECRETARY	F	GS7	3A071	Y	FILL	
2	8100	001	CHIEF, PLANS & PROGRAMS BR	F	O5	16R4	Y	FILL	
3	8100	002	PLANS AND PROGRAMS ANAL	F	GS13	65F4	Y	FILL	
1	2130	002	DEPUTY CHIEF	F	GS13	33S4	Y	FILL	
2	2130	004	CND/A PLANNER	F	GS11	14N4	GDIP		
4	2359	001	INTELLIGENCE SPECIALIST	F	GS13	14N3	Y	FILL	
5	2359	002	INTELLIGENCE SPECIALIST	F	GS11	14N3	Y	FILL	
6	2359	003	INTELLIGENCE SPECIALIST	F	GS12	14N3	Y	FILL	
7	2359	004	INTELLIGENCE SPECIALIST	F	GS12	14N3	Y	FILL	
8	2359	005	INTELLIGENCE SPECIALIST	F	GS12	14N3	Y	FILL	
12	2359	009	INTELLIGENCE ANALYST	F	GS12	14N4	GDIP	01	
13	2359	010	INTELLIGENCE OFFICER	F	GS12	14N4	GDIP	01	
15	2359	012	SPECIAL DUTY OFFICER	F	GS12	14N4	GDIP	01	
19	2359	016	SPECIAL DUTY OFFICER	F	GS	14N4	GDIP*	01	
21	2359	018	STRATEGIC INTELLIGENCE	F	GS13	14N4	Y	01	
22	2359	019	STRATEGIC INTELLIGENCE	A	O3	34A00	Y	FILL	
23	2359	020	STRATEGIC INTELLIGENCE	F	GS12	14N4	GDIP*	01	
24	2359	021	INTEL OPERATIONS	F	GS13	14N4	Y	01	
25	2359	022	INTELLIGENCE OFFICER	F	GS12	14N4	GDIP*	01	
27	2359	027	COMM COMP SPEC/TECH ANAL	F	GS12	33S3	Y	01	
28	2359	028	COMM COMP SPEC/TECH ANAL	F	GS11	33S3	Y	FILL	
30	2420	004	COMM COMP SPEC/SYS SPT	F	GS13	33S3	Y	01	

Table 6-4 Manpower Information – USSPACECOM CNO Billets (U)

#	PARA	LINE	TITLE	SVC	GRADE	SKILL	VAL'ED	YR/ JTF	
31	2420	009	COMM COMP SPEC/TECH ANAL	F	GS12	33S4	Y	01	
32	2420	010	COMM COMP SPEC/TECH ANAL	F	GS12	33S4	Y	01	
33	2420	011	COMM COMP SPEC/TECH ANAL	F	GS11	33S4	Y	01	
1	3113	001	CNA EXERCISE PLANNING OFF	A	O4	30A00	Y	01	
2	3113	002	CND EXERCISE PLANNING SP	F	GS12	13S4	Y FILL	01	
3	3120	001A	DIVISION CHIEF	F	O5	13S4	Y JTF	01	J3
4	3210	003	CND READINESS OFFICER	F	GS12	13S4	Y FILL	01	
8	3311C	004	CNA SUPPORT: NSA/IOTC	F	O5	13S4	Y	FILL	
13	3311C	010	CND PLANS OFF	M	O4	9910	Y	01	
14	3311C	011	CND/A PLANS OFFICER	F	O4	13S4	Y	FILL	
15	3311C	012	CNA COORD	N	O4	1300	R		
16	3311C	013	CNA COORD	A	O4	30A00	R		
17	3311C	014	CNA COORD	A	O4	30A00	R		
18	3311C	015	CNA COORD	N	O4	1300	R		
19	3311C	016	CNA COORD	F	O4	13S4	R		
20	3311C	017	CNA COORD	A	O4	30A00	R		
21	3311C	018	CNA COORD	F	O4	13S4	R		
22	3311C	019	CNA COORD	F	O5	13S4	Y	01	
24	3900	002	OPERATIONS ASSISTANT	F	GS7	3C071	Y	FILL	
26	3910	001	CNA OPS REQS PLANNER	F	O4	13S4	Y	01	
27	3910	003	CND OPERATIONS SPECIALIST	F	GS12	13S4	Y	FILL	
32	3910	008	CNA OPS NCO	F	E6	3C071	Y	01	
33	3920	001	CND INTEGRATION MGR	F	GS12	13S4	Y	FILL	
35	3920	003	JTCB LEAD	A	O4	30A00	Y	01	
36	3920	004	CNA SECURITY MGR	F	GS12	33S3	Y FILL	01	
37	3920	007	INFO MGT & SECURITY NCO	N	E5	0000	Y	01	
38	3900	001	J39 DIVISION CHIEF	N	O6	1300	Y	FILL	
1	5900	001	CND BRANCH CHIEF	N	O5	1300	Y	FILL	
2	5910	001	POLICY DEVELOPMENT OFFICER	N	O5	1000	Y	FILL	
3	5910	003	REQUIREMENTS OFFICER	F	GS12	33S4	Y	FILL	
4	5910	004	DELIBERATE PLANS OFFICER	A	O4	30A00	Y	FILL	
6	5910	006	SYSTEMS DEVELOPMENT OFF	F	GS12	33S4	Y	FILL	
7	5920	001	POLICY DEVELOPMENT OFFICER	A	O5	30A00	Y	FILL	
9	5920	004	CNA PLANS OFFICER	F	GS12	33S4	Y	FILL	

Table 6-4 Manpower Information – USSPACECOM CNO Billets (U)

#	PARA	LINE	TITLE	SVC	GRADE	SKILL	VAL'ED	YR/ JTF	
1	6900	002	COMPUTER SPECIALIST	F	GS14	33S4	Y	01	
2	6900	004	COMPUTER SPECIALIST	F	GS11	33S4	Y	01	
3	6900	007	INFO CENTER SUPERVISOR	N	E7	2739	Y	FILL	
4	6900	008	INFO SYS ANALYST/OPERATOR	A	E6	74B3O	Y	FILL	
7	6910	001	INFO SYS OFFICER	A	O4	30A00	Y	FILL	
8	6910	002	LEAD POLICY OFF	F	GS13	33S4	Y	01	
14	6930	002	COMPUTER SPECIALIST	F	GS13	33S4	Y	FILL	
16	6930	004	INFO SYS ANALYST/OPERATOR	A	E7	74B4O	Y	FILL	
17	6940	001	COMM AND INFO OFFICER	N	O4	1100	Y	FILL	
18	6940	002	COMPUTER SPECIALIST	F	GS12	33S4	Y	01	
19	6940	005	INFO CENTER SUPERVISOR	N	E7	2739	Y	FILL	
20	6940	007	INFO SYS ANALYST/OPERATOR	A	E5	74B2O	Y	FILL	

KEY	USSPACECOM Approved Billets	Reclama Billets for JMVB Consideration	

Table 6-4 Manpower Information USSPACECOM CNO Billets (U)

6.10 (U) JTF-CNO and JIOC Billets. The following table lists the billets that have been or are in the process of being transferred to the JTF-CNO. The figure follows the key provided.

#	PARA	LINE	TITLE	SVC	GRADE	SKILL	VAL'ED	YR/ JTF	
KEY			**Approved Billets Transferred to JTF-CNO**	**Proposed JIOC Billets to Transfer to JTF CNO**		**Reclama Billets for JMVB Consideration**			
3	2130	005	CHIEF, J2 WATCH	N	E8	9304	Y JTF	01T	J2
9	2359	006	CNA INTELLIGENCE ANALYST	F	GS11	14N4	Y JTF	01T	J2
10	2359	007	CNA INTELLIGENCE ANALYST	F	GS11	14N4	Y JTF	01T	J2
11	2359	008	CNA COLLECTION MANAGER	F	GS11	14N4	Y JTF	01T	J2
14	2359	011	CNO INTELLIGENCE ANALYST	F	GS12	14N4	Y JTF	01T	J2
16	2359	013	CND OPS OFF/DET 1	N	E6	9304	Y JTF	01T	DET
17	2359	014	DEPUTY J2 WATCH NCO	N	E6	9304	Y JTF	01T	J2
18	2359	015	J2 WATCH NCO	N	E6	9304	Y JTF	01T	J2
20	2359	017	J2 WATCH NCO	N	E6	9304	Y JTF	01T	J2
26	2359	024	INTELLIGENCE OFFICER/DET 1	F	GS13	14N3	Y JTF	01T	DET
5	3311C	001	J39, CHIEF CNA OPERATIONS	A	O5	25A00	Y JTF	01T	J3
6	3311C	002	CNA OPERATIONS PLANNER	F	O4	13S4	Y JTF	01T	J3
7	3311C	003	CNA SECURITY MANAGER	F	GS8	13S4	Y JTF	01T	J3
9	3311C	005	CNA OPS OFFICER/DET 1	F	GS13	13S4	Y JTF	01T	DET
10	3311C	006	DEPUTY DIRECTOR DET 2	A	O4	30A00	Y JTF	01T	DET
11	3311C	007	DEPUTY J5	A	O4	02A00	Y JTF	01	J5
12	3311C	009	CND OPERATIONS ANALYST	N	O4	1000	Y JTF	01	J3
23	3311C	020	CNO TRAINING	F	GS13	13S4	Y JTF	01	J3
25	3900	003	CND OPERATIONS ANALYST	F	GS12	13S4	Y JTF	01	J3
28	3910	004	DEPUTY J1	F	GS13	36P4	Y JTF	01	J1
29	3910	005	CNO CINC PLANNER	A	O4	30A00	Y JTF	01	J5
30	3910	006	CNO CINC PLANNER	N	O4	1300	Y JTF	01	J5
31	3910	007	CNA OPS OFF/DET 2	F	GS12	13S4	Y JTF	01T	DET

Table 6-5 Manpower Information – JTF-CNO Billets (U)

#	PARA	LINE	TITLE	SVC	GRADE	SKILL	VAL'ED	YR/ JTF	
34	3920	002	RED TEAM OPERATIONS	F	GS13	13S4	Y JTF	01	DET
10	5920	005	FOREIGN DISCLOSURE OFF	F	GS12	14N4	Y JTF	01	J5
5	6900	009	CINC SUPP TEAM	F	GS12	33S3	Y JTF	01	J3
6	6900	010	NET INFRASTRUCTURE SPEC	F	GS11	33S3	Y JTF	01	J3
9	6910	003	DEPUTY J4/8	F	GS13	65F4	Y JTF	01	J4
10	6910	004	CINC SUPPORT TEAM	F	GS12	33S4	Y JTF	01	J3
11	6910	005	PDAS TECH	M	E7	4066	Y JTF	01	J1
12	6910	006	CINC SUPPORT TEAM	F	GS11	33S3	Y JTF	01	J3
13	6910	007	CONTRACT OFFICER	F	GS11	64P4	Y JTF	01	J1
15	6930	003	PROPERTY MANAGER	F	E7	3C071	Y JTF	01	J1
			HQ BASELINE BILLETS TO JTF						
1	3000	12	DEPUTY JTF CNO	N	O7	1000	JTF	FILL	S
2	3000	13	DIRECTOR J3	F	O6	16G4	JTF	FILL	J3
3	3000	15	DEPUTY DIRECTOR/DET 1 & 2	F	O6	16G4	JTF	FILL	J3
4	2400	001	DIRECTOR J2	N	O6	1810	JTF	01T	J2
5	2359	029	CNA OPS OFF/DET 1	F	O4	14N4	Y JTF	01T	DET
			PROPOSED JIOC BILLETS TO JTF						
1	03000	008	CNA EXERCISE PLANNING OFF		GS12	13S4	JTF	01	J3
2	03000	012	CNA OPS PLANNER		GS12	13S4	JTF	01	J3
3	03000	010	CNO OPERATIONS PLANNER		GS12	13S4	JTF	01	J5
4	03000	004	CNA STRATEGIC PLANNER		GS13	13S4	JTF	01	J3
5	03000	006	LAW ENFORCEMENT ANALYST		GS12	13S4	JTF	01	J1
6	03000	014	CI ANALYST		GS12	13S4	JTF	01	J1
			JMVB ISSUES FOR JTF						
1	0100	006	CHIEF OF STAFF JTF-CNO	F	GS15	16G4	R	02	S
2	0100	007	TECHNICAL ANALYST	F	GS12	33S4	R	02	S
3	0100	008	SJA	F	O4	51J4	R	02	J1
4	0100	009	DEP SJA	A	O4	55A00	R	02	J1
5	0100	010	CHIEF ADMIN SUPPORT	F	GS11	3A071	R	02	J1
6	0100	011	ADMIN ASST	F	GS7	3A071	R	02	J1
7	0100	012	ADMIN ASST	F	GS7	3A071	R	02	J1
8	0100	013	PUBLIC AFFAIRS SPECIALIST	F	GS13	35P4	R	02	J1
9	0200	011	CHIEF J2 CNO ANALYST	F	GS14	14N4	R	02	J2
10	0200	012	INTELLIGENCE TECH	F	GS9	14N4	R	02	J2
11	0200	013	CNA INTELLIGENCE ANALYST	F	GS13	14N4	R	02	J2

Table 6-5 Manpower Information – JTF-CNO Billets (U)

#	PARA	LINE	TITLE	SVC	GRADE	SKILL	VAL'ED	YR/ JTF	
12	0300	011	OPS KNOWLEDGE MGR	F	GS12	33S4	R	02	J3
13	0300	012	CNA OPS NCO	F	E6	3C071	R	02	J3
14	0300	013	DIA SUPPORT	F	GS13	14N4	R	02	J3
15	0300	014	J31, CHIEF CINC SUPPORT TEAM	N	O5	1100	R	02	J3
16	0300	015	J3 VICE DIRECTOR OPERATIONS	F	GS15	13S4	R	02	J3
17	0300	016	CNA EXERCISE PLANNING	F	GS12	13S4	R	02	J3
18	0300	017	DEPUTY DIRECTOR, DET 1	A	O5	30A00	R	02	DET
19	0300	018	CNO PLANNER	M	O4	9910	R	02	J3
20	0300	019	J37 TRAINING AND EXERCISE	F	05	13S4	R	02	J3
21	0500	006	J5 CNO POLICY, DOC, REQS COORD	F	GS12	16R4	R	02	J5
22	0500	007	J5 FOREIGN DISCLOSURE SPEC	F	GS11	14N4	R	02	J5

KEY	Approved Billets Transferred to JTF-CNO	Proposed JIOC Billets to Transfer to JTF CNO	Reclama Billets for JMVB Consideration

Table 6-5 Manpower Information – JTF-CNO Billets (U)

ANNEX A - GLOSSARY

(U) Key terms used in this IPLAN are defined in Joint Publication 3-13, *Joint Doctrine for Information Operations*, dated 9 October 1998; Joint Publication 1-02, *DoD Dictionary of Military Terms*; NSTISSI No 4009, *National Information Systems Security (INFOSEC) Glossary*, dated January 1999 or in this annex. Definition sources are indicated in brackets.

Attack Assessment	(DoD) An evaluation of information to determine the potential or actual nature and objectives of an attack for the purpose of providing information for timely decisions. [JP 1-02]
Computer Network Attack	(U) Operations to disrupt, deny, degrade, or destroy information resident in computers and computer networks, or the computers and networks themselves. [DODD S-3600.1]
Computer Network Defense	(U) Measures taken to protect and defend information, computers, and networks from disruption, denial, degradation, or destruction. [CJCSI 6510.01B]
Computer Network Exploitation	(U) Intelligence collection and enabling operations to gather data from target or adversary automated information systems (AIS) or networks. [DODD S-3600.1]
Computer Network Intrusions	(U) Unauthorized access to an information system. [CJCSI 6510.01b Change 1]
Computer Network Operations	(U) CND and CNA. [Original]

Concept of Operations	(U) A verbal or graphic statement, in broad outline, of a commander's assumptions or intent in regard to an operation or series of operations. The concept of operations frequently is embodied in campaign plans and operation plans; in the latter case, particularly when the plans cover a series of connected operations to be carried out simultaneously or in succession. The concept is designed to give an overall picture of the operation. It is included primarily for additional clarity of purpose. Also called commander's concept. [JP 1-02]
Coordinating Authority	(U) A commander or individual assigned responsibility for coordinating specific functions between two or more Military Departments or two or more forces of the same Service. The commander or individual has the authority to require consultation between the agencies involved, but does not have the authority to compel agreement. In the event that essential agreement cannot be obtained, the matter shall be referred to the appointing authority. Coordinating authority is a consultation relationship, not an authority through which command may be exercised. Coordinating authority is more applicable to planning and similar activities than to operations. [JP 1-02]
Defense Information Infrastructure	(U) The shared or interconnected system of computers, communications, data applications, security, people, training, and other support structures serving DoD local, national, and worldwide information needs. The Defense Information Infrastructure connects DoD mission support, command, and control, and intelligence computers through voice, telecommunications, imagery, video, and multimedia Service. It provides information processing and Service to subscribers over the Defense Information Systems Network and includes command and control, tactical, intelligence, and commercial communications systems used to transmit DoD information. [JP 1-02]

Defensive Information Operations	(U) The integration and coordination of policies and procedures, operations, personnel, and technology to protect and defend information and information systems. Defensive information operations are conducted through information assurance, physical security, operations security, counter-deception, counter-psychological operations, counterintelligence, electronic warfare, and special information operations. Defensive information operations ensure timely, accurate, and relevant information access while denying adversaries the opportunity to exploit friendly information and information systems for their own purposes. [JP 1-02]
Indications & Warning (I&W)	(U) Those intelligence activities intended to detect and report time-sensitive intelligence information on foreign developments that could involve a threat to the United States or Allied military, political or economic interests or to US citizens abroad. It includes forewarning of enemy actions or intentions; the imminence of hostilities; insurgency; nuclear/non-nuclear attack on the United States, its overseas forces, or Allied nations; hostile reactions to US reconnaissance activities; terrorists' attacks; and other similar events. [JP 1-02]
Information Assurance	(U). Information Operations that protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and non-repudiation. [JP 1-02]
Intrusion	(U) Unauthorized access to an information system. [Original]
Joint Task Force	(U) A joint force that is constituted and so designated by the Secretary of Defense, a combatant commander, a sub-unified commander, or an existing joint task force commander. [JP 1-02]

Mission Partner	(U) Any individual(s) or organization(s), interrelated with the USCINCSPACE CNO mission to facilitate information sharing, e.g., C/S/As, the intelligence community, other US government, US civil or commercial organizations, and allies or coalition participants. [Original]
Operationalize	(U) To replace ad hoc processes and procedures with standard operating procedures based on clearly defined responsibilities and timelines. This includes incorporating CNA operations into the joint operation planning and execution process. [Original]
Operations	(U) Actions by mission partners to help direct and coordinate tasks to protect against an attack or intrusion, respond to, and restore DII capabilities critical to the assigned CNA mission. [Original]
Operations Support	(U) Actions by mission partners to support CNA operations; e.g., those who provide indications and warning, analytical support and tools, etc. [Original]
Support	(U) Actions by mission partners to contribute to CNA mission accomplishment by providing policy, doctrine, guidance, standards, R&D, etc. [Original]

ANNEX B - ACRONYMS

AAR	After Action Report
AG/L	Access Gain/Loss
AF	Air Force
BDA	Battle Damage Assessment
C2IP	Command and Control Initiative Program
C/S/A	Commanders in Chief, Services, and Agencies
CAT	Crisis Action Team
CERT	Computer Emergency Response Team
CI	Counterintelligence
CIF	CINC Initiative Funds
CINC	Commander in Chief
CJCSI	Chairman, Joint Chiefs of Staff Instruction
CJTF	Commander, Joint Task Force
CNA	Computer Network Attack
CND	Computer Network Defense
CNE	Computer Network Exploitation
CNO	Computer Network Operations
COA	Course of Action
CONOP	Concept of Operations
CONPLAN	Concept Plan
COOP	Continuity of Operations Plan
DCI	Director, Central Intelligence
DCID	Director Central Intelligence Directive
DDO-CNA	Deputy Director of Operations for Computer Network Attack
DIA	Defense Intelligence Agency
DIAP	Defense Information Assurance Program
DII	Defense Information Infrastructure

DIRLAUTH	Direct Liaison Authorization
DISA	Defense Information Systems Agency
DoD	Department of Defense
DODD	Department of Defense Document
FOUO	For Official Use Only
FFI	Full Force Integration
FYDP	Future Years Defense Program
GNOSC	Global Network Operations and Security Center
HQ	Headquarters
IA	Information Assurance
IC	Intelligence Community
ICW	In Conjunction With
IJSTO	Integrated Joint Special Technical Operations
INFOCON	Information Operations Condition
IO	Information Operations
IOC	Initial Operating Capability
IOTC	Information Operations Technology Center
IPL	Integrated Priority List
IPLAN	Implementation Plan
I&W	Indications and Warning
JA	Judge Advocate
JIC	Joint Intelligence Center
JIOC	Joint Information Operations Center
JMETL	Joint Mission Essential Task List
JMRR	Joint Monthly Readiness Review
JOPES	Joint Operation Planning and Execution System
JP	Joint Publication

JROC	Joint Requirements Oversight Council
JMVB	Joint Staff Manpower Validation Board
JTF	Joint Task Force
JTF-CND	Joint Task Force for Computer Network Defense
JTF-CNO	Joint Task Force for Computer Network Operations
JWCA	Joint Warfighting Capabilities Assessment
JWICS	Joint Worldwide Intelligence Communications System
LE	Law Enforcement
LEA	Law Enforcement Agency
LNO	Liaison Officer
LRP	Long Range Plan
MAWG	Mission Area Assessment Working Group
MOA	Memorandum of Agreement
MOU	Memorandum of Understanding
M&S	Modeling and Simulation
NCR	National Capital Region
NIC	National Intelligence Center
NIPC	National Infrastructure Protection Center
NIPRNET	Non-classified Internet Protocol Router Network
NSA	National Security Agency
O&M	Operations and Maintenance
OCC	Operational Concept Champion
OPLAN	Operations Plan
OSD/C3I	Office of the Secretary of Defense for Command, Control, Communications, and Intelligence
PBD	Program Budget Decision
PDM	Program Decision Memorandum

PIR	Priority Intelligence Requirement
POM	Program Objective Memorandum
PPBS	Planning, Programming and Budgeting System
ROE	Rules of Engagement
SJA	Staff Judge Advocate
SPOC	Space Operations Center
SROE	Standing Rules of Engagement
STO	Special Technical Operations
TEP	Theater Engagement Plan
UCP	Unified Command Plan
US	United States
USAF	United States Air Force
USCINCSPACE	Commander in Chief, United States Space Command
USSPACECOM	United States Space Command

ANNEX C - BIBLIOGRAPHY

1. (U) CJCS "Personal For" Message (S), 211925Z Jan 99, SECDEF Guidance on Unified Command Plan (U). Provides guidance recommended by the combatant commanders and approved by the SECDEF concerning UCP 99. The Chairman's "Personal For" message assigned CND and CNA to USCINCSPACE for support roles to the DoD and CINCs, including responsibility for the Joint Task Force (JTF) CND.

3 (U) DoD Instruction S3600.2 (S), 6 Aug 98, Information Operations (IO) Security Classification Guidance (U). Prescribes guidance on classifying information about IO within the DoD.

4 (U) CJCSI 3210.01A, (S), 6 Nov 98, Joint Information Operations Policy (JIOP) (U). Provides joint policy guidance and assigns responsibilities for IO.

5 (U) Joint Publication 3-13, Joint Doctrine for Information Operations, 9 Oct 98. Provides doctrine, definitions, process, protection, detection and assessment, restoration, and attack responses for IO.

6 (U) Director, Central Intelligence Directive (DCID) 7/3, TS/SCI, Information Operations (U), 1 July 1999. Sets forth the responsibilities of IC components in the conduct and coordination of IO, intelligence, and related support to IO.

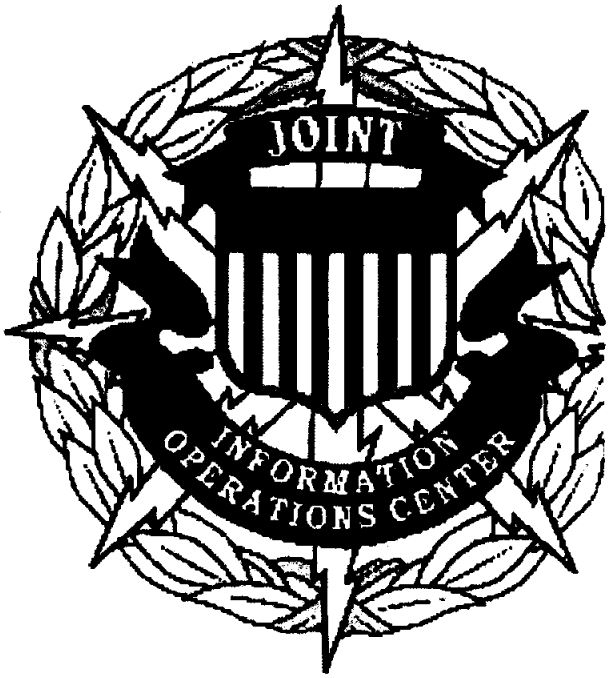
7 (U) CJCSM 3122.03A, (U), 1 Jun 96, Joint Operation Planning and Execution System Volume II Planning Formats and Guidance (U). This manual sets forth administrative instructions and formats to govern the development of operation plans submitted for review to the CJCS.

8 (U) CJCSI 3170.01A, (U), 10 Aug 99, Requirements Generation System (U). Establishes policies and procedures for the requirements generation system.

9 (U) ASD/C3I Message (S/NF), 0071442Z Jun 99, No Subject. The purpose of the message is to clarify and to reaffirm the mission of the IOTC.

UNITED STATES
SPACE COMMAND

JOINT TASK FORCE
COMPUTER NETWORK OPERATIONS


JOINT
INFORMATION
OPERATIONS CENTER