CHAIRMAN OF THE JOINT CHIEFS OF STAFF INSTRUCTION

J-4

DISTRIBUTION: A, B, C, JS-LAN, S

CJCSI 6723.01B

31 July 2009

GLOBAL COMBAT SUPPORT FAMILY OF SYSTEMS REQUIREMENTS MANAGEMENT AND GOVERNANCE STRUCTURE

References: See Enclosure E.

1. <u>Purpose</u>.

   a. This instruction republishes the Chairman of the Joint Chiefs of Staff (CJCS) instruction covering the Requirements Management and Governance Structure (RMGS) for the Global Combat Support System (GCSS) Family of Systems (FOS) (hereinafter referred to simply as the GCSS FOS) and the Global Combat Support System-Joint (GCSS-J) mission application (formerly known as GCSS combatant commander/joint task force or GCSS-CC/JTF).

   b. The GCSS FOS RMGS consists of a General/Flag Officer Steering Group (GOSG), a Planners' Board (PB), and standing and situational-dependent working groups (WGs) to: review functional requirements for systems integration; foster net-centric and services-centric interoperability; provide for security and information assurance across the GCSS FOS; synchronize capability fielding schedules; propose and, if applicable, approve the policies and procedures that help the Department of Defense (DOD) meet joint combat support and combat service support (CS/CSS) joint logistics information as well as visibility requirements supporting the joint force commanders (JFCs).

   c. This RMGS addresses issues that cut across the GCSS FOS and facilitates the delivery of the required joint logistics operational capability in a timely manner. It brings together the Joint Capabilities Integration and Development System (JCIDS) (reference a), and the acquisition and planning, programming, budgeting, and execution system (PPBES) communities in a partnership to identify and resolve cross-cutting GCSS FOS issues. It assigns supporting responsibilities for the Office of the Secretary of Defense (OSD), Joint Staff, Services, Defense agencies, combatant commands, and other

activities. DOD acquisition oversight of the GCSS FOS is governed under the DOD 5000 series issuances and an OSD(NII) sponsored overarching integrated product teams (OIPTs), when assigned for GCSS family member systems.

2. Cancellation. CJCSI 6723.01A, 8 April 2002, current as of 10 May 2006, is hereby canceled.

3. Applicability. This instruction applies to OSD, the Joint Staff, combatant commands, Services, Defense agencies, and other activities.

4. Policy

  a. The GCSS FOS is the key enabler to achieve the visibility requirements of the Focused Logistics Joint Functional Concept (FL JFC) (reference b) and the combatant commands. This key enabler is essential during peace, contingency, crisis, and war in support of the joint warfighter across the full range of military operations (ROMO). It provides the JFC and staff the necessary logistics information visibility to support unity of effort and enable freedom of action. The RMGS provides oversight necessary for the GCSS FOS to meet operational CS/CSS information requirements of the President of the United States, the Secretary of Defense, the Joint Staff, combatant commands, the JTF, and its components. While references c and d provide some guidance on managing and overseeing FOS and capabilities, overarching OSD policy has not yet been approved. The GCSS FOS RMGS is established to review functional requirements for systems integration; to foster systems and data interoperability and information assurance across the GCSS FOS; to synchronize capability fielding schedules; and to propose and, if applicable, approve the policies and procedures that help the DOD meet joint logistics information and visibility requirements.

  b. CS/CSS include the essential capabilities, functions, activities, and tasks necessary to mobilize, move to, and sustain all elements of operating forces to and within a theater or operational area, and to return them to home station. Within the national and theater logistics capabilities and systems, it includes, but is not limited to, that information support rendered by Service, component and supporting agency forces ensuring the aspects of supply, maintenance, transportation/distribution, engineering services, force health protection, installation support, personnel and financial support services, acquisition and operational contract support, and other logistics services required by naval, aviation, and ground combat forces to permit those units to accomplish their missions throughout the ROMO. CS/CSS encompasses those activities necessary across the ROMO and throughout the joint logistics environment (JLE) that result in sustained force readiness for the JFC and CCDR.

c. The GCSS FOS RMGS will establish and maintain liaison with other Defense, interagency, multinational, and other activities that are engaged in managing functional logistics requirements, budgeting, and acquiring materiel and systems to accomplish their missions across the ROMO. This liaison will ensure that changes to processes, procedures, information exchange requirements, and the GCSS FOS are synchronized with combatant command requirements; that information between functional systems can be found, understood, and exchanged; and that applications warranting integration into the GCSS FOS are identified and incorporated. The GCSS FOS RMGS serves as a forum to facilitate selection for migration and integration into GCSS-J of all information technology applications that satisfy CCDR and JFC logistics information, visibility, monitoring, and control requirements.

d. The GCSS FOS RMGS provides a forum for the operational, functional, acquisition, and financial management community stakeholders to integrate GCSS supporting programs in accordance with the key performance parameters (KPPs) and critical information exchange requirements approved by the Joint Requirements Oversight Council (JROC), and to coordinate policy and mission priorities in support of the overall GCSS effort.

e. The GCSS GOSG will partner with existing management and oversight structures within the DOD, Joint Staff, and other organizations currently supporting worldwide CS/CSS systems to implement and support the developing GCSS FOS.

f. The GCSS FOS, when fully modernized, fielded and integrated, will be a comprehensive, global array of net- and services-centric logistics information exchange capabilities operating on the Global Information Grid (GIG). GCSS FOS will provide the Secretary of Defense, OSD, Joint Staff, combatant commands, Services, Defense agencies, JTFs, and Service components with secure, integrated information exchange, and dissemination capabilities necessary to manage joint logistics CS/CSS, and command and control of joint logistics capabilities. GCSS FOS RMGS encompasses the policies, procedures, and FOS to provide the CS/CSS information for planning, executing, and monitoring of mobilization, deployment, employment, sustainment, readiness, redeployment/retrograde, and force regeneration activities associated with logistics command, control, and global force management in support of military operations.

g. The GCSS FOS will be compliant with the GIG requirements and will adhere to GIG policies and architecture as well as the GCSS initial capabilities document (ICD) (reference f) and subsequent JCIDS-related documents as appropriate. The GCSS FOS will use an integrated net-centric and services-oriented architectural approach (references m and n) as its foundation for interoperability, effectiveness, and efficiency.

h. The envisioned end state for GCSS is a net-centric and services-oriented architecture providing an information-centric environment, allowing DOD and other unanticipated users to access shared data, applications, and information services regardless of location: any authorized user; any networked computer; anyplace; anytime. Since GCSS is not a single acquisition program but rather a FOS acquisition programs and fielded systems, it is critical that individual programs and fielded systems that comprise the FOS follow the Net-Centric Data Strategy (NCDS), Net-Centric Services Strategy (NCSS), GIG interoperability and information assurance strategies. The interoperability strategy for GCSS is not based on a specific technology solution, but rather on a common technical direction that will support the GCSS tenets. GCSS will reach these goals by using the following interoperability and information assurance approaches:

(1) User Application Access. Applications will be developed that allow access using services-oriented architecture, Web services, and other net- and services-centric techniques.

(2) Data Interoperability. Common or coordinated schema will be adopted and/or developed, as appropriate, to provide for collaboration and course of action development on demand. Data will be provided via common access mechanisms (e.g., publish and subscribe, Web services, etc.) that will provide the customer real-time actionable information to support information visibility, collaborative planning, and significantly enhanced military decision making.

(3) Security. GCSS will include both classified and unclassified capabilities. Cross-Domain Enterprise Services (CDES) guard technologies will be used to transfer information between security domains (and agency and multinational boundaries). Public key infrastructure (PKI) and roles- and attribute-based access controls technologies will be implemented for user authentication and robust access control. Intrusion detection and other information assurance techniques will be used to detect and protect against unauthorized users and activities.

5. Definitions. See Glossary.

6. Responsibilities. Responsibilities of the Chairman of the Joint Chiefs of Staff (hereinafter Chairman), the office of primary responsibility (OPR), the GOSG, the PB, OSD PSAs, the Joint Staff, the combatant commands, the Services, the Defense Logistics Agency (DLA), the Defense Information Systems Agency (DISA), and other Defense agencies are listed in Enclosure A.

7. Summary of Changes. This instruction incorporates updates to the overall concept of the GCSS FOS as reflected in the GCSS ICD, 24 August 2004. It clarifies the GCSS Strategy and Concept; incorporates recently published

JP 4-0, Joint Logistics Concepts; incorporates updated Joint Capabilities lexicon language; clarifies previously embedded governance structure; refreshes responsibilities and references; incorporates the NCDS.

8. <u>Releasability</u>. This directive is approved for public release; distribution is unlimited. DOD components (to include the combatant commands), other federal agencies, and the public may obtain copies of this directive through the Internet from the CJCS Directives Electronic Library at --
http://www.dtic.mil/cjcs_directives.

9. <u>Effective Date</u>. This instruction is effective upon receipt.

B. E. GROOMS
RADM, USN
Vice Director, Joint Staff

Enclosures:

    A -- Responsibilities
    B -- GCSS FOS Requirements Management and Governance Structure
    C -- Global Combat Support System Family of Systems (FOS)
    D -- New Requirements Request Form (NRRF)
    E -- References
    GL -- Glossary

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ENCLOSURE A

RESPONSIBILITIES

1. <u>Chairman of the Joint Chiefs of Staff</u>. The Chairman of the Joint Chiefs of Staff is responsible for planning guidance for and oversight of CS/CSS and the GCSS FOS. The Chairman's guidance is transmitted through the Director, Joint Staff, and the Joint Staff's Director for Logistics (Director, J-4) for implementation.

2. <u>Joint Requirements Oversight Council (JROC)</u>. Chaired by the Vice Chairman of the Joint Chiefs of Staff, the JROC is responsible for oversight of the requirements and key performance parameters (KPPs) for the GCSS FOS. It reviews and validates the KPPs for the GCSS FOS, and reviews the Joint Capability Integration and Development System (JCIDS) documents and other operational requirements documents for those GCSS programs designated acquisition category I (in accordance with references c and e) or as JROC Special Interest.

3. <u>Office of Primary Responsibility (OPR)</u>. The Joint Staff's Director, J-4 is the OPR for this instruction. Per JROCM 110-00, the Director, J-4 is the functional proponent for GCSS in all aspects except KPP changes which remain reserved to the JROC.

   a. The Director, J-4 is responsible for the GCSS FOS governance, functional requirements, integration, prioritization, and maintenance of the GCSS functional concept of operations (CONOPS).

   b. <u>As the OPR, the Director, J-4 will</u>:

      (1) Ensure warfighter joint logistics information requirements are addressed by the GCSS FOS.

      (2) Ensure the integration and migration of cross-functional applications, to include interfacing of cross-functional databases; point-to-point arrangements will be limited with net- and services-centric and Web-based services as the preferred data exchange means.

      (3) Receive, for information, the Services' and agencies' GCSS and related spending plans, and planning, programming, budgeting, and execution system (PPBES) submissions (including OMB Exhibits 300B) that support Joint and Service joint logistics related information systems requirements across the range of the joint logistics environment, to include modifications to those applications that have been integrated into GCSS FOS and for

applications and associated databases that are planned to migrate into the GCSS FOS or into GCSS-J.

(4) Coordinate and integrates development and implementation plans for the processes, resources and capabilities that support the GCSS FOS in planning, execution and controlling joint logistics operations and capabilities.

(5) Approve GCSS FOS policy (per CJCS guidance) within the Joint Strategic Planning System and on behalf of the Chairman coordinates policy with organizations outside the Chairman's customary purview that are involved in providing logistics support across the joint logistics environment (JLE), e.g., U.S. interagency, multinational, and non-governmental partners.

(6) Ensure the GCSS FOS development strategies are consistent with current Joint Planning Guidance (JPG), National Security and Military Strategies, Unified Command Plan (UCP), Guidance for Development of the Force, and other strategic planning guidance.

(7) Provide periodic GCSS FOS progress reports to the JROC and DOD chief information officer (CIO), as requested.

(8) Serve as chairperson of the GCSS FOS GOSG.

(9) Oversee development of the GCSS integrated operational architecture supporting joint logistics information requirements in order to guide the evolution of the GCSS FOS as they seek to achieve the DOD Net-Centric Data and Services Strategies (NCDS/NCSS).

(10) Oversee, in coordination with the Joint Staff Director for Command, Control, Communications, and Computer Systems (J-6), and ensure the compatibility, interoperability, integration, information assurance, and security of the GCSS FOS as integral components of the GIG.

(11) Ensure, in conjunction with the Joint Staff Director for Intelligence (Director, J-2), the Defense Intelligence Agency (DIA), the National Security Agency (NSA), and the National Geospatial-Intelligence Agency (NGA), that the intelligence and geospatial supportability and valid threat assessments are maintained for and used by the GCSS FOS.

   c. The OPR is assisted by the following RMGS governance structure, which is explained in greater detail in the remaining paragraphs (see Enclosure B for RMGS diagram):

(1) GCSS FOS GOSG.

(2) GCSS FOS PB.

(3) OSD principal staff assistants (PSAs).

(4) WGs (standing and ad hoc).

(5) Joint Staff.

(6) Combatant Commands.

(7) Military Services (including components).

(8) Defense Information Systems Agency (DISA).

(9) Other Defense agencies and organizations.

(10) Other mission partners, e.g., interagency, NATO, multinational organizations, etc.

4. <u>GCSS FOS GOSG</u>. The Director, J-4 chairs the GOSG with members consisting of general/flag (G/FO) and/or Senior Executive Service (SES) representatives from the Joint Staff directorates, Services, DLA, and the combatant commands (specifically from U.S. Joint Forces Command (USJFCOM) and U.S. Transportation Command (USTRANSCOM), and all other combatant commands upon invitation or when the individual combatant command J-4 regards attendance as desired), OSD PSA, DOD CIO, Defense Finance and Accounting System (DFAS), and DISA (see Figure A-1 for GOSG membership). Other DOD agencies/components will be invited to attend as appropriate to agenda topics. The GOSG meets every 4 to 6 months, or as directed by the chairperson. The GOSG will:

a. Act as the primary body charged with decision support for and monitoring the integration of GCSS FOS functional requirements and capabilities.

b. Partner with the DOD CIO and PSA to monitor and guide the development, delivery, and fielding of a net- and services-centric and interoperable GCSS FOS and capabilities.

c. Advise the JROC, as necessary, on priority and execution of GCSS FOS Joint or Service-unique CS/CSS requirements including policy, interoperability, information assurance, synchronization, development and fielding status, funding, implementation plans and JCIDS documentation.

d. Ensure warfighter requirements are met regarding functionality, system interfaces, information assurance, interoperability net-centric and services-oriented architecture (SOA) based data access.

e. Provide the Chairman, Services, combatant commands, and the Joint Staff with information concerning GCSS FOS requirements, objectives, and milestones as necessary.

f. Ensure that Service and agency coordination is accomplished on those actions affecting GCSS-related budgeting and other resources.

g. Identify, discuss, and take action on any unresolved GCSS FOS issues and recommendations forwarded by the PB or presented by a member of the GOSG.

h. Approve new mission functionality to be developed or included within the GCSS FOS (especially within GCSS-J).

i. Provide the GCSS vision, CONOPS, and development direction.

Joint Staff/J-4, **Chair**	USD(C), DUSD (Financial Management)
Joint Staff Directors	USD(P&R), Principal Staff Assistant, Personnel
(J-1/J-2/J-3/J-6/J-7/J-8)	DUSD(L&MR), Principal Staff Assistant, Logistics
Combatant Command Reps	DUSD(A&T), Principal Staff Assistant, Technology
Military Services	ASD(HA), Principal Staff Assistant, Medical
Director, DLA	ASD(NII), Principal Staff Assistant, NII
Director, DFAS	DOD Deputy CIO (DCIO)
Director, DISA	ADUSD(PS), Principal Staff Assistance, Program Support

Figure A-1. GOSG Membership

5. <u>The GCSS FOS Planners' Board (PB)</u>. The GCSS FOS PB is the primary O-6/GS 15 level body charged with the implementation of functional information exchange requirements and interoperability. The PB directs the execution of those actions consistent with OPR-approved CONOPS, development and implementation plans or guidance.

a. <u>Composition of the Board</u>. The Vice Director for Logistics, (Vice Director, J-4), chairs the PB. Members of this board consist of O-6/GS-15 level representatives from the same organizations as the GOSG reflected in Figure A-1. Other DOD activities are invited to attend, as appropriate, based on the agenda. The GCSS FOS PB will meet approximately 1 month before each GOSG, and otherwise as required.

b. <u>Responsibilities</u>. The GCSS FOS PB will:

(1) Evaluate the GCSS FOS technical, functional, interoperability, information assurance, and funding criteria to determine those applications that satisfy the combatant command and JROC identified functional

requirements. Systems and applications fielded or in development that support OPR-approved development and implementation plans will migrate into the GCSS FOS.

(2) Review and resolve other GCSS FOS issues, forwarding those of interest or requiring executive decision to the GOSG.

(3) Direct the creation of WGs with planner-level involvement, as required, to examine issues falling outside the purview of standing activities, functional committees or other boards. Approve charters of the standing and special WG; VJ-4 is the signatory.

(4) Ensure horizontal coordination of proposed functional improvements among all CS/CSS functional areas, including cross community of interest (COI) collaboration as necessary.

(5) Review and approve, as necessary, the GCSS FOS functional CONOPS and the operational, system, and technical DOD Architecture Framework (DODAF)-compliant integrated architectures of the GCSS FOS.

(6) Review the GCSS FOS operational, systems, and technical architectures for compliance with appropriate standards and policy, such as the DOD architecture framework, technical requirements of the Defense Information Standards Repository (DISR) Online, and the GIG.

(7) Review proposals for joint decision support tools (JDST) to ensure compliance with the DODAF and sufficiency for integration into GCSS-J.

6. GCSS WGs. WGs will work with and build upon organizations already chartered by the functional area sponsors and/or PSA and milestone decision authorities (MDA) without duplicating the tasking or responsibilities of those organizations; federation with existing groups is expected. Standing GCSS FOS functional WG have been formed to address issues that cross PSA, Service, agency, and functional boundaries. The WG will also provide coordination and help to synchronize systems within GCSS FOS. Additional WG may be created at the direction of the PB on an ad hoc basis to address other issues. All WG will be chartered by the VJ-4. The Overarching WG (OWG) will provide executive oversight of the functional WGs. General WG structure and responsibilities are outlined below and will follow the general tenets of the *DOD Integrated Product Team (IPT) Rules of the Road* (reference k). See Enclosure B for more detail.

a. Chair. Each WG is designated a chairperson from the Defense organization having primary interest and involvement in the issues assigned.

b. <u>Membership</u>. Membership will be tailored to address the issues assigned to that WG. Core membership may be augmented with other organizational representatives and subject matter experts (SME) to address specific issues within their purview.

c. <u>General Responsibilities</u>. WG will identify, analyze, assess, prioritize, and integrate cross-functional issues including but not limited to security, communications, data, architecture, decision support tools, integration of fielding, resources, and testing. WGs will also address those issues that cut across PSA areas of responsibility and provide recommendations on who should be tasked as the lead to complete necessary actions. To avoid duplication of effort, WG will identify and work closely with other groups engaged in similar management and oversight efforts, including NCSS and NCDS communities of interest (COI) and capabilities portfolio management (CPfM) groups as necessary. WG meet as required to accomplish their objectives. Unless additional resources are provided, each WG member will be expected to spend no more than 6 hours per month on WG activities, including meeting participation, analyses, documents, reports and coordination. Each WG will be chartered (by VJ-4) to define specific roles, responsibilities, and authorities. All functional WG will execute the following general responsibilities:

(1) Monitor GCSS FOS actions and accomplishments with respect to the functional areas addressed by the WG.

(2) Promote information sharing and conduct trend analysis.

(3) Conduct working sessions to review status of work, priorities, and milestones.

(4) Review development and implementation activities to ensure that GCSS GOSG and FOS strategies, requirements, architecture and priorities are being met within their functional areas.

(5) Analyze specific issues assigned by the GCSS GOSG, PB, or WG members and submit a written report of findings as appropriate. Analyses and reports will be accomplished within the limits of resources provided to each WG, but must be rendered as timely as possible.

(6) Conduct meetings, or electronic collaboration, as required to address issues assigned to or designated by the WG.

7. <u>Joint Staff</u>. The Joint Staff directorates, as identified below, provide a flag-level representative to the GOSG; an O-6 representative to the GCSS FOS PB; a representative to the functional WG within their areas of responsibility; and representation to other established and ad hoc WGs, as required. Joint Staff

directorates assist the OPR in all GCSS FOS matters and serve as the Joint Staff points of contact for all GCSS FOS matters related to the directorates' area(s) of responsibility. Joint Staff directorates will identify and initiate staffing on modifications of policy, procedures, and the Joint Reporting Structure (JRS) as an integral part of their support of GCSS FOS integration.

a. <u>Director for Manpower and Personnel, J-1</u>. The Director, J-1 will assist the OPR by exercising functional responsibility for all joint logistics issues relating to manpower and personnel support systems. The Director, J-1 will also:

(1) Coordinate manpower and personnel support system information requirements, those systems related to personnel information visibility, and data access to such systems.

(2) Provide staff expertise with the appropriate functional PSA to support development of capabilities and systems that meet identified requirements.

(3) Provide staff expertise to guide automation of the Joint Personnel Status Report (JPERSTAT) required under the Joint Reporting Structure (JRS) (see reference l) and its integration into GCSS-J.

b. <u>Director for Intelligence, J-2</u>. The Director, J-2 will assist the OPR by coordinating threat validation and intelligence supportability certifications for the GCSS FOS while considering the impact on joint intelligence strategy, policy, and architecture planning. The Director, J-2 also provides risk analysis and assessments.

c. <u>Director for Operations, J-3</u>. The Director, J-3 will assist the OPR by ensuring optimum architectural integration to assure cross-flow of data between joint command and control (JC2), joint logistics functions and information requirements, the Global Command and Control System (GCCS), the Net-Enabled Command Capability, and the GCSS FOS.

d. <u>Director for Logistics, J-4</u>. The Director, J-4 will:

(1) Exercise functions of the OPR, maintaining oversight of all aspects of GCSS FOS policy, procedures, development, implementation, and resource commitment and coordination within the scope of the Chairman and JROC guidance.

(2) Serve as the GCSS FOS functional proponent responsible for coordination of joint logistics environment- and systems-wide functional information requirements.

(3) Monitor joint/advanced concept technology demonstrations (J/ACTD) and advanced technology demonstrations applicable to joint logistics operations and information requirements, steering the integration of appropriate technologies and capabilities into GCSS-J.

(4) Maintain a GCSS Functional Requirements Office (GFRO) to provide day-to-day management and serve as the administrative liaison between the OPR and the users. The GFRO will continue to:

(a) Establish, publish, and maintain this CJCSI outlining the GCSS FOS RMGS.

(b) Perform executive secretariat functions for GOSG and PB, and for other WGs as chartered.

(c) Conduct day-to-day management oversight of GCSS FOS activities including program briefings, marketing strategy, requirements process, documents and deliverables, CONOPS, implementation strategy, and execution.

(d) Interface with combatant commands to periodically revalidate published requirements (CC-129 requirements; reference j) and incorporate new processes, doctrine, and information requirements as they emerge.

e. <u>Director for Command, Control, Communications, and Computer Systems, J-6</u>. The Director, J-6 will assist the OPR by exercising responsibility for all GCSS FOS architecture, security, NCDS/NCSS and information assurance (IA) compliance. The Director, J-6 will provide scrutiny and guidance concerning matters of system security and information assurance, including processing appropriate systems security documentation. The Director, J-6 will assist by documenting the warfighter mission area (WMA) integrated services-oriented operational architecture. Additionally, the Director, J-6 will:

(1) Provide technical representation to appropriate GCSS WG.

(2) Present GCSS FOS interoperability issues to the Military Communications and Electronics Board (MCEB) and other venues as required.

(3) Certify JCIDS documents, review information support plans, and certify interoperability and Clinger-Cohen Act compliance documentation for all GCSS FOS-related acquisition programs in accordance with references h and i.

(4) Work to assure a common baseline of hardware and software on the GIG, SIPRNET, and NIPRNET, that transparently support GCSS FOS

operations especially in support of NCDS/NCSS compliance, services-oriented architecture and associated NCES, and other Web services and technologies.

   f. <u>Director for Operational Plans and Interoperability, J-7</u>. The Director, J-7 will assist the OPR by exercising responsibility for all GCSS FOS deliberate and adaptive planning capabilities and in the development and coordination of joint doctrine. The Director, J-7 will designate an individual as a member of the WG and configuration management boards to ensure rapid acceptance and dissemination of software upgrades and patches across the Adaptive Planning and Joint Planning and Execution Community.

   g. <u>Director for Force Structure, Resources, and Assessment, J-8</u>. The Director, J-8 will:

      (1) Coordinate with OPR for GCSS FOS PPBES matters.

      (2) Assist the OPR by coordinating with Assistant Secretary of Defense (Networks, Information and Integration) on acquisition matters.

      (3) Assist the OPR by coordinating requirements validation and other JCIDS documents through the JROC process.

8. <u>OSD PSAs</u>. OSD functional PSA will assist the OPR by coordinating functional requirements for implementation under GCSS FOS within their areas of responsibility. In addition, each PSA will:

   a. Provide G/FO or equivalent representatives to the GOSG.

   b. Provide O-6 or equivalent representatives to the PB.

   c. Provide representatives to WGs, as appropriate.

   d. Coordinate the integration of mission applications within functional areas of responsibility.

   e. Serve as the functional proponent for the insertion of advanced technologies into the GCSS FOS and as the functional proponent for J/ACTD as appropriate.

9. <u>Combatant commands</u>. The combatant commands will:

   a. Provide, upon invitation, G/FO representatives to the GOSG. USJFCOM and USTRANSCOM are permanent members. A combatant command may send its director of logistics (or J-4 equivalent) in the absence of a G/FO.

b. Provide, on invitation, an O-6 representative to the PB. USJFCOM and USTRANSCOM are permanent members.

c. Provide representatives to functional WGs as appropriate; USTRANSCOM and USJFCOM are standing members, with others as required/desired.

d. Provide points of contact (POC) for ongoing information sharing on matters pertaining to the GCSS FOS.

e. Identify joint logistics requirements to the Joint Staff J-4 OPR and support GCSS FOS testing as required. See New Requirements Request Form at Enclosure D.

f. Facilitate and promote NCDS- and NCSS-based information sharing throughout their commands including components and other mission partners.

10. Military Services (including the U.S. Coast Guard) and combat support agencies (CSAs) will:

a. Provide a G/FO representative to the GOSG.

b. Provide O6 level representatives to PB.

c. Provide representatives to WG, within their area of responsibility.

d. Provide POC for ongoing information sharing on matters pertaining to the GCSS FOS.

e. Establish Service GCSS FOS POC for planning and coordinating functional and technical Service efforts related to GCSS FOS development, resources and information/data accessibility.

f. Plan, program, and budget, upon identification of specific requirements (within fiscal constraints), the resources required to support the following:

(1) Changes to existing Service systems that provide data to GCSS FOS in accordance with NCDS/NCSS, GIG, and integrated architectural guidance.

(2) Fielding, operation, maintenance, and training of system and application upgrades.

(3) Ensuring candidate GCSS FOS applications meet Service Oriented Architecture, DODAF, NCDS, NCSS and Net-Centric Operational Warfare Reference Model (NCOW-RM) requirements.

(4) Assure movement away from the tradition need-to-know paradigm to the NCDS/NCSS-based paradigm of need-to-share, making joint logistics data visible, accessible and understandable across the GIG and in support of the full ROMO.

(5) Necessary supporting internal initiatives.

g. Provide for information to the Joint Staff J-4 and J-6, Service GCSS FOS and related spending plans and PPBES submissions including the OMB Exhibits 300B that support joint and Service GCSS FOS and related requirements. Include modifications to those system applications that have been integrated into GCSS FOS and for developing or fielding applications or databases planned to be integrated into the GCSS FOS.

h. Provide information about proposed GCSS FOS-related activity that may impact Service resources and program objective memorandum(s) (POMs) through membership on the PB, the GOSG, and supporting WG. Staff decisions affecting Service and agency resources and POMs through normal Service coordination procedures.

i. Develop net-centric and services-oriented architecture GCSS systems and provide the GCSS-J access to authoritative source data to meet specific warfighter joint logistics informational requirements.

11. <u>Defense Information Systems Agency (DISA) will</u>:

a. Serve as the architect, engineer, and materiel developer for the capstone GCSS-J capability. (NOTE: The current DISA acquisition title is GCSS combatant commander/joint task force or GCSS-CC/JTF, but is also referred to and is undergoing a formal name change to GCSS-J). In addition, provide technical oversight for GCSS FOS development and integration efforts and will:

(1) Develop and maintain the overall GCSS services-oriented architecture for GCSS-J and the extended GCSS FOS.

(2) Provide system engineering support to the GCSS FOS to ensure interoperability and the delivery of integrated capabilities.

(3) Lead, with the support of the OPR, an agile development process to more rapidly enhance GCSS-J capabilities and more rapidly establish capabilities to fulfill the needs of the joint warfighting community to meet the requirements of the Combatant Command-129 Information (Exchange) requirements.

(4) Develop and maintain core information technology, Net-Centric Enterprise Services (NCES) and capabilities required across the FOS including the PKI and CDES. Develop and define a trusted partner certification (TPC) relationship with developers, contractors and government agencies for rapid acceptance and distribution of software patches and upgrades in order to maintain the GCSS-J capability as current, useful, and up to date on a worldwide basis as is practicable.

(5) Provide technical oversight and participate, as appropriate, in all FOS testing activities.

(6) Perform technical reviews and assessments of new functional capabilities/applications, technologies, and commercial products for applicability to, integration into, and impacts on the FOS.

(7) Conduct and develop innovative ways and means of rapid capability development, testing, and fielding to include the implementation of agile development methodologies.

(8) Support any other required FOS engineering and technical effort as requested by the Joint Staff, J-4 or other authoritative bodies.

b. Serve as the program manager for GCSS-Joint (GCSS-J) by providing program control, planning, tracking, oversight, training, testing, and direction of activities within DISA to:

(1) Facilitate the rapid integrated delivery of joint logistics information and capabilities to the CCDR and JTF level.

(2) Develop, integrate, and field capabilities through the GCSS-J program in accordance with the requirements and priorities specified by the Combatant Commands, the Joint Staff J-4, the GCSS requirements identification process and periodic program guidance memoranda.

(3) Develop and maintain GCSS-J configuration control and management with direct user involvement in accordance with the DOD configuration management policies to ensure complete traceability of requirements through capability delivery and customer satisfaction.

(4) Develop funding estimates that support GCSS-J requirements for both SIPRNET and NIPRNET based capabilities and align funding to support approved GCSS-J development requirements, implementation plans and Director, J-4 guidance. Provide these estimates and proposed allocation of funds to the Director, J-4 and GCSS FOS GOSG as requested.

(5) Provide periodic updates to the Director, J-4 and the GCSS FOS GOSG on program development, capabilities integration, and budget execution.

(6) Provide logistics, sustainability, technical, and help desk support for GCSS-J.

12. Other Defense agencies and organizations will:

a. Collaborate in the development and implementation of GCSS FOS requirements related to their activities as requested by the Director, J-4 or as tasked by the appropriate PSA.

b. Determine the impact and feasibility (procedural and technical) of GCSS FOS information exchange requirements and develop services-oriented architectures and integrated data environments (IDEs) to facilitate the net- and services-centric delivery of their data/information through GCSS-J to the JFCs and staff.

c. Support the OPR by planning, programming, budgeting, and funding GCSS FOS interface requirements and necessary internal initiatives within fiscal constraints.

d. Provide, at invitation, O-6 planner or civilian equivalent representatives to the PB, as required.

e. Provide, at invitation, a G/FO or civilian equivalent representative to the GOSG, as required.

f. Provide representation to WGs, as required.

g. Provide a POC for ongoing information sharing on matters pertaining to the GCSS FOS.

h. Assure alignment of automated information systems with the NCDS and NCSS and provide for services-oriented-architecture-supported data interfaces for data of interest to the GCSS FOS and GCSS-J.

13. GCSS FOS program managers (PM) will:

a. Provide information to the integration and resources WG on program schedules.

b. Participate in GCSS FOS WG to provide background, fielding schedules, POM submission, shortfalls, successes, and other areas of mutual concern.

c. Identify cross-program issues for exploration and resolution by GCSS FOS management actions.

d. Conduct detailed analysis of the GCSS and CC-129 data requirements to determine the authoritative data source/repository to assure timely data availability to GCSS-J and other FOS members as necessary.

e. Pursue net- and services-centric development efforts to enable the paradigm shift from the former need-to-protect to the net-centric need-to-share.

f. Within program constraints, establish Web-services based access to or move legacy data into IDEs to more rapidly enable data and information sharing.

g. Assure alignment of automated information systems with the NCDS and NCSS and provide for services-oriented-architecture-supported data interfaces for data of interest to the and GCSS-J integrated architecture; and promotes interoperability, integration, and security within the GCSS FOS and externally; chaired by OSD NII/DCIO.

ENCLOSURE B

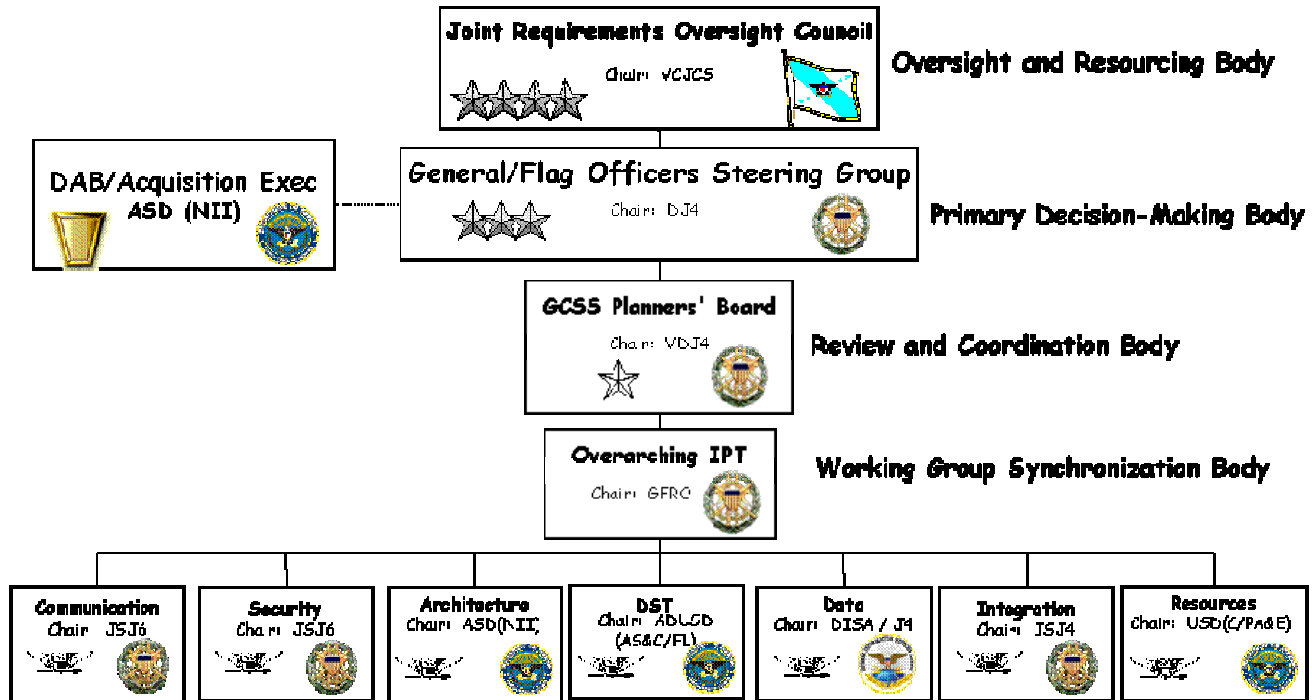GCSS FOS REQUIREMENTS MANAGEMENT
AND GOVERNANCE STRUCTURE

Figure B-1. GCSS FOS RMGS

1. <u>Joint Decision Support Tool (JDST) WG</u>. Addresses models and simulations as well as emerging technology required to create information from data to support more rapid and fully informed decision making for the joint force commander; assists in identifying initiatives to develop a suite of decision support tools through J/ACTD or other initiatives; and assists in determining the best avenues to develop tools where no initiative exists; chaired by DUSD(AS&C), (Advanced Concepts).

2. <u>Data WG</u>. Addresses integration of and access to required data; addresses functional interoperability and interfaces between systems; conducts outreach coordination with other (data/NCDS) communities of interest (COI); co-chaired by J-4 Knowledge-Based Logistics Division Chief (KBLD) and the DISA GCSS PMO.

3. <u>Integration WG</u>. Synchronizes among GCSS FOS programs and with other functional areas for delivery of interoperable functional capability; provides a mechanism through which the FOS can synchronize testing and development of their programs in conjunction with joint exercises; chaired by J-4 Deputy Director for Strategic Logistics (DDSL).

4. <u>Resources WG</u>. Reviews and assesses the fiscal health of each FOS program; monitors delivery schedules and progress toward delivery of planned functional capability; chaired by the J-4 KBLD.

5. <u>Testing WG</u>. Addresses the testing requirements across the GCSS FOS to ensure test plans and schedules are completed as needed and that adequate resources are identified; establishes and maintains a means of end-to-end (E2E) assessment of the overall status of the GCSS FOS individually and most importantly as a collective whole; chaired by the Joint Interoperability Test Command (JITC), the DOD Operational Test Activity (OTA) for GCSS. GCSS FOS and GCSS-J.5.

6. <u>Overarching WG</u>. Provides oversight and coordination between the functional WGs to ensure issues and concerns are addressed timely and appropriately; chaired by the Joint Staff J-4 Deputy Director for Strategic Logistics (DDSL).

7. <u>Communication WG</u>. Addresses end-to-end supporting infrastructure requirements and capabilities, as well as strategic GCSS communications efforts; chaired by the J-6.

8. <u>Security WG</u>. Addresses issues associated with the protection of classified, controlled unclassified information (CUI) and sensitive but unclassified (SBU) information as well as information assurance and issues associated with the ability to access required information and the TPC relationship between GCSS, GCCS, and the GCSS FOS development community; chaired by DISA PMO.

9. <u>Architecture WG</u>. Ensures that integrated architecture views of GCSS and the FOS components are developed in accordance with the DOD architecture framework (DODAF) and other applicable direction; are consistent with each other and overarching architectures such as the GIG integrated architecture

ENCLOSURE C

GLOBAL COMBAT SUPPORT SYSTEM FAMILY OF SYSTEMS

1. The GCSS is a strategy and FOS concept that establishes requirements for data fusion and interoperability and information assurance across combat support/combat service support (CS/CSS) information systems and between CS/CSS and C2 and intelligence functions in support of the Joint Warfighter -- independent yet interoperable systems through services-oriented architectures and Web-based technology.

2. A FOS is a set or arrangement of independent systems that can be arranged or interconnected in various ways to provide different or additional capabilities beyond those of the independent systems (resulting in a synergistic effect). The mix of systems can be tailored to provide desired capabilities dependent upon the situation or the informational context required. The GCSS FOS consists of Service and Defense agency authoritative information systems from which actionable, real time, accurate data can be accessed; it may also include other mission partner systems as available and appropriate. In addition, joint decision support tools (JDSTs) will translate this data into meaningful joint logistics information for the decision maker.

3. GCSS provides for unimpeded access to information regardless of source, and envisions the ability to fuse information from disparate sources into a cohesive and common operational picture (COP) for the JFC, tailorable and extensible to local requirements. GCSS-J is the capstone joint logistics mission application enabling this strategy.

4. GCSS family member systems are generally positioned at the top of a grouping of functionally similar information systems, e.g., the Global Transportation Network (GTN) sits atop all of the distribution, deployment, and transportation information systems of the Department, including radio frequency in transit visibility (RF-ITV). Primary family members, sometimes referred to as capstone capability systems, are thereby responsible for the general oversight of their given functional capability areas regardless of the direct ownership or resource sponsorship of subordinate/feeder information systems. Family members remain responsible to the overall GCSS program for the fidelity, access, accuracy, completeness, timeliness and understandability of their processes, data and systems. Family members are expected to operate in a net- and services-centric environment including an IDE to more fully enable the ready exchange and fusion of their respective portions of the information requirements of the JFC.

5. The JROC, through the approved GCSS FOS ICD, reference f, this instruction and the GCSS GOSG have designated the members of the GCSS FOS. Following is a list of currently identified primary family members which

may change over time as members are added and deleted based on their ability to fulfill the information and data needs of the joint force commander or as systems modernize and converge into more modern, capable, net- and services-centric capabilities.

   a. The GCSS FOS consists of the following primary systems and their components:

   (1) GCSS Air Force (GCSS-AF).

   (2) GCSS Army (Field/Tactical) (GCSS-A).

   (3) GCSS Marine Corps (GCSS-MC).

   (4) Navy GCSS-related (logistics data) net-centric capabilities or initiatives.

   (5) Global Transportation Network (GTN).

   (6) DLA Asset Visibility (DLA-AV).

   (7) DLA IDE.

   (8) Defense Integrated Military Human Resources System (DIHMRS).

   (9) Defense Health Information Management System (DHIMS).

   (10) DISA's GCSS-J.

   (11) DFAS IDE.

   (12) Special Operations Forces Total Asset Visibility (SOF-TAV).

NOTE: The DLA **I**DE and **G**TN **C**onvergence (IGC) effort currently underway will result in merging capabilities into the IGC unified data environment and the sun setting of GTN.

ENCLOSURE D

GCSS-J NEW REQUIREMENTS REQUEST FORM

1. Attributes of a well-written requirement include considering the following:

    a. <u>Complete</u>. Are all the expected inputs, outputs, and actions specified?
This includes format, expected capabilities (sorting/filtering, etc.), source,
expected/acceptable response time, accuracy, range of values, and frequency.

    b. <u>Clear/Concise</u>. Is the requirement clear and unambiguous?

    c. <u>Feasible.</u> Does the requirement seem feasible with respect to
technology?

    d. <u>Testable</u>. Is the requirement testable? Would an independent testing
party be able to determine how/if the requirement has been satisfied?

2. A description of the various fields of the requirement request form are as
follows:

    a. <u>POC Name</u>. The POC name, along with the DSN and email address,
should identify the person to contact if additional information or discussion is
required.

    b. <u>Description of Desired Functionality</u>. The description may be as simple
as requesting a new input parameter for an existing report, or as complex as
defining a new capability to support a current operational need. Provide a
detailed description of the desired functionality.

    c. <u>Desired Input or Access Point</u>. For new reports or changes to existing
reports, identify the desired input parameters. Identify which, if any, of the
parameters are mandatory or optional. Define which logical operators
(<>,=,>=, starts with..., etc.) should apply to the particular input. For an
enhancement to an existing capability or a new capability, identify what the
trigger/starting point should be.

    d. <u>Desired Output/Result</u>. For new reports or changes to existing reports,
identify the desired output. Identify any requirement for specific column
ordering, column headers, etc. For new capabilities, identify what the end
product would be.

    e. <u>User Story</u>. A user story is a small snippet of text that describes the
user's requirement, that the materiel developer can then decompose to design
and determine the technical approach for implementation. Example: As a

USCENTCOM portal user, I need to be able to control the visibility of commodity groups on the map so I can manage the amount of data displayed on the map at any time.

   f. <u>CC-129 Requirement Supported</u>. Identify the combatant command-129 requirement(s) that this request supports.

   g. <u>Functional Area Supported</u>. Identify what functional area this request supports: (Health Services, Engineering, Log Services, Personnel Services, Log Ops, Supply Chain Management (Supply, Munitions, POL, Distribution or Maintenance), or Logistics Planning.

   h. <u>Capability Supported</u>. If this request supports an existing capability, identify what capability it supports. (See page 4 for list of current GCSS capabilities).

   i. <u>Data Source(s)/Classification</u>. Identify any existing data sources that you believe can provide the desired output. Identify the classification of the data source, the service/agency owner, and any known POC contact information for the data owner.

   j. <u>Priority</u>. Identify whether you consider this functionality to be a High, Medium, or Low priority for your command/activity.

   k. <u>Comments/Discussion</u>. Provide any additional discussion or comments that will help in understanding the requested functionality. Include, for example, the rationale for the request, the desired objective, the anticipated user group, and impact on operations. Also, if a new query, identify the minimum set of functionality that will make the query useful for your work activity. This is necessary in case the full extent of the request cannot be satisfied at one time.

GCSS-J New Requirements Request Form (NRRF)

POC Name:		Rank/Grade	Date:
PH Number:	Email Address:		Organization:

Description of Desired Functionality:

Desired Input or Access Point:

Desired Output / Result:

User Story:

CC129 Requirement(s) Supported:

Functional Area(s) Supported:

Capability Supported (see attached list):

Suggested Data Source(s) / Classification:

Priority (High, Medium, Low):			
Discussion (expand as necessary):			
DISA Comments:	**Date:**	**OPR:**	
JSJ4 Comments:	**OPR:**	**J-4A Control #:**	

GCSS-J Capabilities

PROPOSED CAPABILITY AREA	EXPLANATION
COMBINED REPORTS	A requirement that impacts or is impacted by the Combined Reports Capability
COLLABORATION	A requirement that drives a generic Collaboration Capability
DATA SOURCE	A requirement that impacts or is impacted by Data or a new Data Source
EBB	A requirement that impacts or is impacted by the Electronic Battle Book Capability
IRRIS	A requirement that impacts or is impacted by the Intelligent Road / Rail Information Server Functional Requirement or Capability
JDST	A requirement that impacts or is impacted by or requires some sort of Joint Decision Support Tool
JEPES	A requirement that impacts or is impacted by the Joint Engineering Planning & Execution Systems Functional Requirement or Capability
JLMM	A requirement that impacts or is impacted by Joint Logistics Management Module Capability
JPERSTAT	A requirement that impacts or is impacted by the Joint Personnel Status Report Functional Requirement or Capability
KMS	A requirement that impacts or is impacted by the Knowledge Management System Capability
MAPPING	A requirement that drives a generic mapping capability or a requirement of the current Mapping Capability
MetaMatrix	A requirement that impacts or is impacted by the use of MetaMatrix (the internal data routing tool)
NIPRNET	A requirement that impacts or is impacted by GCSS-J NIPRNET
OOB	A requirement that impacts or is impacted by the Order of Battle Capability
Portal	A requirement that impacts or is impacted by the GCSS-J portal (includes layout of tabs, ICONs, etc.)
Report Assist/Graph Assist (RA/GA)	A requirement that impacts or is impacted by Report Assist / Graph Assist or Ad Hoc Reporting Capability
Reporting	A requirement that impacts or is impacted by the Report Generation Capability
Scheduling	A requirement that impacts or is impacted by the Scheduling Capability.
Security	A requirement that impacts or is impacted by the security or integrity of GCSS-J
SSO	A requirement that impacts or is impacted by the Single Sign-On Capability

PROPOSED CAPABILITY AREA	EXPLANATION
System	A requirement that impacts or is impacted by the physical architecture, software configuration or other specific system requirement
WatchBoard	A requirement that impacts or is impacted by the WATCHBOARD Functional Requirement or Capability
XXX-DEFINE-XXX	The requirement has not been specifically defined

ENCLOSURE E

REFERENCES

a. CJCSI 3170.01 series, "Joint Capabilities Integration and Development System"

b. CJCSM 3170.01 series, "Operation of the Joint Capabilities Integration and Development System (JCIDS)"

c. *Focused Logistics Joint Functional Concept* (FL JFC), December 2003 (NOTE: Under revision and conversion to the Joint Logistics JFC)

d. DOD Directive 5000.01, 12 May 2003 (current as of 20 November 2007), "The Defense Acquisition Program"

e. DOD Instruction 5000.02, 8 December 2008, "Operation of the Defense Acquisition System"

f. CJCSI 5123.01 series, "Charter of the Joint Requirements Oversight Council"

g. GCSS FOS Mission Area Initial Capabilities Document (ICD), 24 August 2004 (originally the GCSS Capstone Requirements Document, 5 June 2000, approved by JROC memorandum 110-00, 27 June 2000)

h. DOD Architecture Framework (DODAF), 28 May 2009, Volumes 1, 2, 3

i. DOD Directive 4630.5, 5 May 2004 (current as of 23 April 2007), "Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS)"

i. CJCSI 6212.01 series, "Interoperability and Supportability of Information Technology and National Security Systems"

j. "Combatant Command-129 Information Requirements" (CC-129), Category 1 (1-57), September 2001 and Category 2 (58-129), January 2002 (originally entitled the CINC 129 Requirements)

k. *DoD Rules of the Road: A Guide for Leading Successful Integrated Product Teams* (Revision 1), October 1999

l. CJCSM 3150.05 series, "Joint Reporting Structure (JRS) Situation Monitoring Manual"

m. "DoD Net-Centric Data Strategy," 9 May 2003

n. "DoD Net-Centric Services Strategy," 4 May 2007

o. JROCM 110-00, "Global Combat Support System (GCSS) Capstone Requirements Document (CRD)," 27 June 2000 [including the Key Performance Parameters (KPP) for the GCSS Family of Systems (FOS)]

p. JROCM 010-08, "Approval to Incorporate Data and Service Exposure Criteria into the Interoperability and Supportability Certification Process," 14 January 2008

q. *DoD Rules of the Road: Capability Roadmaps - Definition, Development and Implementation* (version 7), 7 March 2006

GLOSSARY

ACTD	advanced concept technology demonstration
C2	command and control
CCDR	combatant commander
CIO	chief information officer
CJCS	Chairman of the Joint Chiefs of Staff
CJCSI	CJCS instruction
CJSCM	CJCS manual
CONOPS	concept of operations
CSA	combat support agency
CS/CSS	combat support/combat service support
DFAS	Defense Finance and Accounting System
DHIMS	Defense Health Information Management System
DIHMRS	Defense Integrated Military Human Resources System
DISA	Defense Information Systems Agency
DISR	Defense Information Standards Repository
DLA	Defense Logistics Agency
DOD	Department of Defense
DODD	Department of Defense Directive
DODI	Department of Defense Instruction
DODAF	Department of Defense Architecture Framework
FL	focused logistics
FOS	family of systems
GCCS	Global Command and Control System
GCSS	Global Combat Support System (overarching strategy)
GCSS-J	Global Combat Support System-Joint (application)
GFRO	GCSS Functional Requirements Office
G/FO	general/flag officer
GOSG	General/Flag Officer Steering Group
GIG	Global Information Grid
ICD	initial capabilities document
IDE	integrated data environment
J/ACTD	joint advanced concept technology demonstration
JCIDS	Joint Capabilities Integration and Development System
JCTD	joint concept technology demonstration
JDST	joint decision support tool
JFC	joint force commander
JFC	joint functional concept

JROC	Joint Requirements Oversight Council
JROCM	JROC memorandum
JTF	joint task force
KPP(s)	key performance parameter(s)
NCDS	Net-Centric Data Strategy
NCSS	Net-Centric Services Strategy
NII	Networks, Information, and Integration (OSD staff)
OIPT	overarching integrated product team
OPR	office of primary responsibility
OSD	Office of the Secretary of Defense
PB	Planners' Board
POC	point of contact
POM	program objective memorandum
PPBES	Planning, Programming, Budgeting, and Execution System
PSA	principal staff assistant (OSD staff offices)
RMGS	requirements management and governance structure
ROMO	range of military operations
SME	subject matter expert
TPC	trusted partner certification
USJFCOM	U.S. Joint Forces Command
USTRANSCOM	U.S. Transportation Command
WG(s)	working group(s)