



DEPARTMENT OF THE AIR FORCE

HANSCOM AFB, MA 01731-2109

OFFICE OF THE DESIGNATED ACQUISITION COMMANDER, C2 ENTERPRISE INTEGRATION

MEMORANDUM FOR: SEE DISTRIBUTION

APR 16 2002

FROM: DAC, C2 Enterprise Integration
ESC/CC
9 Eglin Street
Hanscom AFB, MA 01731-2109

SUBJECT: DAC Enterprise Directive 003 C2 Node Responsibilities

REFERENCES¹:

- (a) DAC Enterprise Directive 001, Managing C2 Enterprise Integration, 1 June 2001
- (b) CPMD 1005, "Capstone Program Management Directive for an Integrated C2ISR System", 19 Oct 01

DAC Enterprise Directive 001 (Reference a) identified the "C2 Node" as the primary execution-level within the C2 Enterprise Integration (C2EI) business management approach. DAC Enterprise Directive 003 expands that approach; it defines a C2 Node² and establishes overall policy for acquisition and support of the systems in the C2 Nodes. It describes the primary responsibilities of a Node Manager (NM) and defines the relationship between NMs, Program Managers (PMs), and the Common Integrated Infrastructure (CII) Manager. These assigned responsibilities are consistent with the CPMD 1005 (Reference b). Specific implementation timelines for various activities will be driven by the availability of C2EI resources at the Enterprise- and Node-levels, and at the direction of the Designated Acquisition Commander for C2 Enterprise Integration (DAC C2EI).

C2 Node: A "C2 Node" is a grouping of activities and functions, provided through materiel and non-materiel solutions, which the operational community perceives and uses as a major warfighting component. It is a major operational element of the Command and Control and Intelligence, Surveillance and Reconnaissance (C2&ISR) System, as represented in the operational views of the C2 Enterprise Architecture³. These nodes will change over time as the acquisition and operational communities determine how to best use C2 in the operational environment. Using the C2 Enterprise Integration management

¹ References a and b can be found at ESC/CX's C2 Enterprise Portal: <https://c2info.hanscom.af.mil>. Access to the portal requires a user name and password. Instructions are provided at the url above.

² "C2" in the context of the C2 Enterprise consists of "Command and Control (C2)" and "Intelligence, Surveillance and Reconnaissance (ISR)"

³ The Operational architecture view can be found at: <https://ac2isrc.acc.af.mil/architecture/products.htm>.

construct, the AFMC/C2 Enterprise will structure its planning, acquisition, integration, and sustainment activities to parallel these operational groupings, to the maximum degree possible, and apply weapon system management techniques to these activities. The C2 Node is a cross-program entity that will act as a catalyst for driving optimal C2 solutions and eliminating redundant stovepipe capabilities.

The CII, while not a C2 Node *per se*, will use similar weapon system management techniques. The responsibilities of the CII Manager will be similar to those of the Node Manager.

Node Manager Responsibilities: Each C2 Node will have an acquisition/integration Node Manager (NM) assigned by the DAC C2EI. The Deputy Commander for C2 ISR Enterprise Integration (ESC/CX) will maintain and semi-annually review the lists of C2 Nodes and NM assignments. The NM has the responsibility and authority for: the development of integrated⁴, balanced⁵ planning and programming information⁶ (to include cost, schedule and performance); the incremental delivery of integrated, tested, and certified capability to the operational user; and the sustainment of fielded systems, subsystems, components, and services. NMs shall participate in appropriate USAF, Program Executive Officer (PEO) and Joint IPTs, working groups, teams, meetings, councils, and forums as needed to execute these responsibilities.

The NM has the primary responsibility for ensuring intra-nodal integration and interoperability, and, in conjunction with other NMs, inter-nodal interoperability as required. Inter-nodal engineering, integration and interoperability testing shall be thread-based⁷ to the maximum degree possible. Inter-nodal issues shall be resolved by mutual agreement among the interfacing NMs and CII Manager supported by the affected PMs. If agreement cannot be attained at the NM level, the issue will be elevated to the C2 ISR Enterprise Integration Office (ESC/CX) for resolution.

Program Manager Responsibilities: The Program Managers (PMs) and System Program Directors (SPDs) are responsible for planning and acquiring the systems, subsystems, components, and/or services included in the C2 Nodes and/or the CII. Acquisition planning shall be capability-based⁸ to the degree possible. Due to the functionality and capabilities of certain systems, subsystems, components, and/or services, some PMs may

⁴ Integrated means that we are considering all aspects of the total C2ISR System, not just individual Programs.

⁵ Balanced means that all parts of the C2ISR System are considered in view of finite Air Force total obligation authority (TOA) and decisions were made regarding what gets funded, to provide what capability, in which fiscal year. Those decisions would attempt to preserve the operational continuity of the fielded C2ISR System.

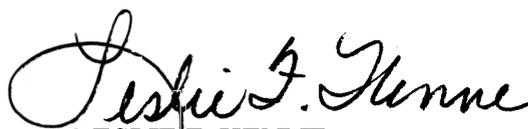
⁶ DAC Directive 006, C2 Enterprise Integration Budgeting Responsibilities, will provide details on Node Managers and Program Managers roles in the PPBS process.

⁷ A thread is an end-to-end operational process to serve the Air Force mission of applying air and space power to achieve a military objective(s) (e.g., GSTF, TCT, CSAR.. Each thread will utilize an operationally valid model to describe its end-to-end structure (e.g., F2T2EA, MAPE), and employ one or more operational scenarios to establish its context (e.g., Air-to-Ground, Air-to-Air). A portion of a thread is called a segment.

⁸ A capability is the integrated activities of people, process and technology working together to achieve a desired effect on an object. A capability is not the object, effect on the object, or end-state. [Ranne, Hess, and McKee, "Capabilities and Acquisition Management", 28 Sep 01, CollaborX, Inc.] We will accept the AC2ISRC published C2ISR Capability Statements as the primary planning basis for C2EI.

be required to support more than one C2 Node. PMs must coordinate their acquisition planning and programming information with the affected NMs and/or CII Manager. PMs shall identify to the appropriate NM(s) and/or CII Manager, through their SPDs, any conflicts in their Program Direction and Operational Requirements and any obstacles that constrain achievement of NM-directed and/or CII Manager-directed objectives. If C2 Enterprise Integration conflicts cannot be resolved at the NM/SPD/PM level, the issue will be elevated through the C2EI Office (ESC/CX) for resolution.

C2 Enterprise Integration Assistance: ESC/CX has established a help desk to expedite answering questions and resolving issues about this and other DAC Enterprise Directives. If you have questions or concerns regarding any of these directives, please contact ESC/CXP at DSN 478-1557, commercial 781-377-1557.


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Attachment
Distribution List