



ASSISTANT SECRETARY OF DEFENSE  
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WASHINGTON, DC 20301-6000

JUL 15 2003

NETWORKS AND INFORMATION  
INTEGRATION

MEMORANDUM FOR SECRETARIES OF THE MILITARY DEPARTMENTS  
DIRECTOR, JOINT STAFF

SUBJECT: Joint Net Centric Capabilities

- References:
- a) IPv6: ASD(NII)/DoD CIO Memo, Subject: Internet Protocol Version 6 (IPv6) dated 9 June 2003
  - b) NCES: ASD(NII)/DoD CIO Memo, Subject: Global Information Grid (GIG) Enterprise Services: Analysis of Alternatives dated 17 April 2003
  - c) JTRS: ASD(NII)/DoD CIO Memo, Subject: Radio Frequency (RF) Equipment Acquisition Policy dated 17 June 2003
  - d) SCA: <http://jtrs.army.mil>
  - e) GIG-BE: ASD(NII)/DoD CIO Memo, Subject: Acquisition Decision Memorandum (ADM) – GIG Bandwidth Expansion (GIG-BE) Program dated 3 January 2003
  - f) TSAT/AWS: Capabilities Development Document for the Transformational Satellite Communications (SATCOM) (TSAT) System. Draft Version 2. HQ AFSPC, Increment 1, dated 6 June 2003
  - g) GIG Architecture: DODD 8100.1 Global Information Grid Overarching Policy dated 19 September 2002

The Department requires an integrated, scaleable, fully distributed information processing and transport infrastructure, based on commercial technologies to the maximum extent practicable, that moves information from any source to any destination, provides tailored information through intelligent pull, is scalable, self-reconfiguring, robust and secure. This infrastructure must integrate legacy Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) as well as business applications and systems, and permit full exploitation of sensor, weapons and platform capabilities. Furthermore, this infrastructure must permit the integration of/ or connection to compatible C4ISR systems of allies and coalition partners, ideally in a “plug and play” mode. Implementation of the Global Information Grid (GIG) will provide this infrastructure and is the foundation for joint, as well as combined, net centric warfighting capabilities.



Over the past two years, the Department has committed major investments in transforming the GIG. Key new programs that enable this transformation include: (1) GIG- Bandwidth Expansion (GIG-BE), (2) Transformational Communication Architecture (TCA), (3) Joint Tactical Radio Systems (JTRS), (4) Net Centric Enterprise Services (NCES) and (5) an end-to-end information assurance. When completed, these programs will provide an unprecedented level of access and availability of time-critical information where and when needed by the warfighter.

I want to ensure that our GIG Architecture, its implementation and the Department's investment strategy are properly sustained and executed and that there is a coordinated transition of legacy C4ISR systems toward becoming part of the GIG. To support the Department's implementation of the GIG, in accordance with DODD 8100.1 Global Information Grid, I will assess the extent to which your FY05 C4ISR-related program change proposals (PCPs) and budget change proposals (BCPs) support the vision, concepts, programs and initiatives highlighted in this memorandum. Please arrange with my staff convenient times to have your C4ISR-related PCPs and BCPs reviewed with me as soon as possible after your submissions to OSD.

My interest will focus on how your PCPs and BCPs are used to begin the transition of your programs to permit the systems you are acquiring to become integrated into the GIG. Specifically, I would like you to address your programs' transition strategy with regard to Internet Protocol Version 6 (IPv6) (ref 1), Net Centric Enterprise Services (NCES) (ref 2), JTRS/Software Communication Architecture (SCA) (ref 3, 4), GIG-BE (ref 5), Transformational Communication Satellite (TSAT)/Advanced Wideband System (AWS) (ref 6) and other key elements of the GIG Architecture (ref 7), as appropriate.

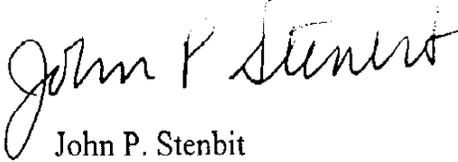
I would like to review any C4ISR related PCP's and BCP's which affect the following activities:

1. All space terminal acquisitions
2. All radio and data link acquisitions
3. All C2 programs
4. All Intelligence Surveillance and Reconnaissance (ISR) programs
5. Global Command and Control System (GCCS), joint and service variants
6. Deployable Joint Command and Control (DJC2)
7. Teleports
8. Crypto Modernization/High-Assurance Internet Protocol Encryption (HAIZE)
9. Warfighter Information Network – Tactical (WIN-T)
10. Distributed Common Ground/Surface Systems (DCGS)
11. Future Combat System (FCS)
12. Programs under the ForceNet umbrella
13. Others as noted above

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As part of these reviews, please address your program's plans for integration into the evolution of the GIG when you present your related PCPs and BCPs.

Addressees are requested to assure widest distribution of this memorandum. My point of contact for this memorandum is Ms. Susan E. Shekmar, (703) 607-0445, [Susan.Shekmar@osd.mil](mailto:Susan.Shekmar@osd.mil). For setting up your reviews, please contact Ms. Andrea Novak at (703) 695-0348.

  
John P. Stenbit

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