



# Department of Defense INSTRUCTION

NUMBER 5100.91  
October 28, 2008

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USD(I)

SUBJECT: Joint Intelligence Interoperability Board (JIIB)

References: See Enclosure 1

1. PURPOSE. This Instruction:

a. Establishes policy and assigns responsibilities in accordance with the authority in Deputy Secretary of Defense Memorandum and DoD Directive (DoDD) 5143.01 (References (a) and (b)) and the guidance in Deputy Secretary of Defense Memorandum (Reference (c)) for the JIIB as a standing body.

b. Supports section 2.2 of the Chairman of the Joint Chiefs of Staff Message (Reference (d)) to assure interoperability and horizontal integration among DoD Component Heads.

c. Complements DoDD 5100.30 (Reference (e)), Deputy Secretary of Defense Memorandums (References (f) and (g)), Assistant Secretary of Defense for Network Integration and Interoperability (ASD(NII)) Memorandum (Reference (h)), DoDD 4630.05 (Reference (i)), and DoD Instruction 4630.8 (Reference (j)) to establish direct linkages into capabilities and processes within the joint command and control (C2) and battlespace awareness portfolios.

2. APPLICABILITY. This Instruction applies to the OSD, the Military Departments, the Office of the Chairman of the Joint Chiefs of Staff and the Joint Staff, the Combatant Commands, the Office of the Inspector General of the Department of Defense, the Defense Agencies, the DoD Field Activities, and all other organizational entities within the Department of Defense (hereafter referred to collectively as the "DoD Components").

3. DEFINITIONS

a. community of interest. Defined in DoDD 8320.02 (Reference (k)).

b. horizontal integration. For the purposes of this Instruction, processes and capabilities to acquire, synchronize, correlate, and deliver National Security Community data with responsiveness to ensure success across all policy and operational missions.

c. intelligence. Defined in Joint Publication 1-02 (Reference (l)).

d. interoperability. Defined in Reference (l).

e. net-centric. Defined in Reference (k).

4. POLICY. It is DoD policy that the JIIB, under the oversight of the Under Secretary of Defense for Intelligence (USD(I)), provides a forum to foster and enable interoperability between intelligence, surveillance, and reconnaissance (ISR) and command and control (C2) facilities and systems; facilitates interaction between ISR and C2 program managers and advocates; and identifies and evaluates system interdependencies for net-centric data sharing.

5. RESPONSIBILITIES. See Enclosure 2.

6. PROCEDURES. See Enclosure 3. The JIIB membership (see Enclosures 4 and 5) will meet quarterly to review interoperability issues and potential solutions. Potential mitigation strategies will be identified to include the planning and execution of at least an annual interoperability assessment.

7. INFORMATION REQUIREMENTS. The reporting requirements in this instruction are exempt from licensing in accordance with paragraph C4.4.4 of DoD 8910.1-M (Reference (m))

8. RELEASABILITY. UNLIMITED. This Instruction is approved for public release. Copies may be obtained through the Internet from the DoD Issuances Web Site at <http://www.dtic.mil/whs/directives>.

9. EFFECTIVE DATE. This Instruction is effective immediately.

A handwritten signature in black ink, appearing to read "James R. Clapper, Jr.", with a stylized flourish at the end.

James R. Clapper, Jr.  
Under Secretary of Defense for Intelligence

Enclosures

1. References
  2. Responsibilities
  3. Procedures
  4. IIIB Membership
  5. IIIB and Related C2 Systems
- Glossary

ENCLOSURE 1

REFERENCES

- (a) Deputy Secretary of Defense Memorandum, “USD(I) Authorities for the Military Intelligence Program,” December 20, 2005
- (b) DoD Directive 5143.01, “Under Secretary of Defense for Intelligence (USD(I)),” November 23, 2005
- (c) Deputy Secretary of Defense Memorandum, “Establishment of the Military Intelligence Program,” September 1, 2005
- (d) Chairman of the Joint Chiefs of Staff Message, “Joint Intelligence Operations Center (JIOC) Execute Order (EXORD) (U),” April 3, 2006<sup>1</sup>
- (e) DoD Directive O-5100.30, “Department of Defense (DoD) Command and Control,” January 5, 2006<sup>2</sup>
- (f) Deputy Secretary of Defense Memorandum, “Capability Portfolio Management Test Case Roles, Responsibilities, Authorities and Approaches,” September 14, 2006
- (g) Deputy Secretary of Defense Memorandum, “Capability Portfolio Management Way Ahead,” February 7, 2008
- (h) Assistant Secretary of Defense for Network Integration and Interoperability Memorandum, “NECC Terms of Reference,” July 11, 2007
- (i) DoD Directive 4630.05, “Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS),” May 5, 2004
- (j) DoD Instruction 4630.8, “Procedures for Interoperability and Supportability of Information Technology (IT) and National Security Systems (NSS),” June 30, 2004
- (k) DoD Directive 8320.02, “Data Sharing in a Net-Centric Department of Defense,” December 2, 2004
- (l) Joint Publication 1-02, “Department of Defense Dictionary of Military and Associated Terms,” as amended
- (m) DoD 8910.1-M, “Department of Defense Procedures for Management of Information Requirements,” June 30, 1998
- (n) Section 426 of title 10, United States Code

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<sup>1</sup> Copies are available to authorized users via the Intelink at <http://djioc.dodiiis.ic.gov>

<sup>2</sup> Copies are available to authorized users on the SIPRNET at <http://www.dtic.smil.mil/whs/directives>

ENCLOSURE 2

RESPONSIBILITIES

1. USD(I). The USD(I), in accordance with Reference (a), shall:

a. Establish the JIIB with reporting responsibilities to the ISR Council via the appropriately managed forum, as directed by USD(I), pursuant to section 426 of title 10, United States Code (Reference (n)) in order to facilitate Military Intelligence Program planning, increase visibility into Defense Intelligence data and capabilities, and effectively assess Defense Intelligence capabilities among the Defense Intelligence Components.

b. Provide guidance to the JIIB on interoperability focus areas, program participation, and assessment priorities.

c. Coordinate directly with Intelligence Community agencies and components on system interoperability matters identified by the JIIB.

d. Request JIIB representation from other DoD Component Heads and Government agencies as required.

2. CHAIRMAN OF THE JOINT CHIEFS OF STAFF. The Chairman of the Joint Chiefs of Staff shall:

a. Designate the JIIB Chair and JIIB Co-Chair.

b. Identify Combatant Command intelligence system interoperability shortfalls and refer them to the JIIB for assessment and resolution.

c. Coordinate the participation of the Commanders of the Combatant Commands representatives in Joint System Baseline Assessment (JSBA) activities as indicated in Enclosure 4.

d. Identify relevant and suitable joint tests, experiments, demonstrations, or exercises as the operational assessment venues for annual JSBAs.

e. Report critical intelligence interoperability issues and mitigating strategies to the appropriately managed forum, as directed by USD(I), via the Joint Staff Intelligence Directorate (J2).

3. CHAIR OF THE JIIB. The Chair of the JIIB, under oversight of the USD(I), shall:
  - a. Identify and prioritize specific actions to increase the interoperability between and among Defense Intelligence, C2, and National Intelligence systems.
  - b. Recommend mitigation strategies and corrective actions via the appropriately managed forum, as directed by USD(I), for implementation by DoD Component Heads and JIIB program managers.
  - c. Promote the interoperability of key intelligence and C2 systems to ensure sufficient, net-centric intelligence support to the joint and coalition warfighter.
  - d. Assess and resolve Combatant Command intelligence system interoperability shortfalls identified in Joint Quarterly Readiness Reviews, Integrated Priority Lists, and Combat Support Agency Review Team findings and other DoD assessments.
  - e. Provide mitigating strategies and corrective measures to DoD Component Heads for action.
  - f. Consult the Joint Chiefs of Staff Joint Staff Support (J2S) Intelligence Requirements Certification Office for potential interoperability and supportability issues from validated information support plans (Reference (j)).
  - g. Report JIIB system interoperability status and issues to the the appropriately managed forum, as directed by USD(I), biannually or as required.
  - h. Convene the JIIB quarterly to conduct formal reporting of actions and outcomes, voting, and direct coordination.
  - i. Coordinate directly with and facilitate between C2 and intelligence program management offices, U.S. Joint Forces Command, Joint Capability Developer and Joint Combat Capability Developer (JCCD) as appropriate on interoperability concerns. Coordinate with the JCCD and the Intelligence Functional Working Group (co-chaired by JCCD and the Director, Joint Staff J2) for interoperability requirements with the Global Command and Control System (GCCS) Family of Systems, the Net Enabled Command Capability (NECC), and share and/or collaborate with the Distributed Common Ground System (DCGS) Family of Systems and/or the DCGS Integrated Backbone.
  - j. Establish Joint Intelligence Interoperability Working Groups (JIIWG) to study and provide recommendations on more complex interoperability shortfalls. Conduct JIIWG as necessary prior to JIIB sessions, focused on joint intelligence architecture development.
  - k. Conduct annual JSBA with Joint Systems Integration Command (JSIC) and Joint Interoperability Test Command (JITC) support to study the current levels of interoperability among JIIB systems, analyze solutions to interoperability shortfalls, and validate ISR concepts.

4. HEADS OF THE DoD COMPONENTS. The Heads of the DoD Components shall:

a. Provide representatives to the JIIB as indicated in Enclosure 4 and participate in annual JSBA events.

b. Act on JIIB or JCCD proposed mitigating strategies and corrective measures by:

(1) Creating or revising joint tactics, techniques, and procedures.

(2) Creating or revising concepts of operation.

(3) Creating or revising Component or joint policy and doctrine.

(4) Producing doctrine, organization, training, leadership development, materiel, personnel, and facilities change recommendations.

(5) Changing system software and/or hardware baselines e.g., via engineering change proposals.

(6) Documenting new capability requirements via the Joint Capability Integration and Development System.

(7) Supporting JITC interoperability test and certification of JIIB systems.

ENCLOSURE 3

PROCEDURES

1. The JIIB shall:

a. Conduct an annual interoperability analysis with JSIC and JITC support to study the effectiveness and suitability of actions required to resolve Combatant Command deficiencies.

b. Operate as a community of interest governed by the the appropriately managed forum, as directed by USD(I), to which it shall report analysis results, mitigating strategies, and corrective measures.

c. Encourage direct coordination between individual program management offices to foster a broad understanding of the complex dependencies among JIIB systems, gain visibility into actions that are likely to impact other JIIB systems, and further the horizontal integration of JIIB systems.

d. Be composed of the members listed in Enclosure 4.

e. Focus on issues and processes as described and not work issues being addressed by the Integrated Intelligence Architecture Leadership Board.

2. JIIB functions shall not supplant nor inhibit any DoD Component Head interactions with respect to intelligence system programming, design, development, testing, certification, and fielding.

3. The members of the JIIB (as designated in Enclosure 4) shall:

a. Participate, as required, in annual JSBA events.

b. Designate an alternate who, when participating in JIIB activities for his or her principal, shall have plenary power to act for same.

c. Inform the JIIB of interoperability issues requiring coordination with other JIIB members.

4. The Program Manager representatives to the JIIB for the systems listed in Enclosure 5 shall:

a. Participate, as required, in annual JSBA events.

b. Support JSIC and JITC in the conduct of interoperability testing and certification in conjunction with JSBA to the maximum extent possible.



ENCLOSURE 4

JIIB MEMBERSHIP

The JIIB shall be composed of:

1. The Deputy Director for Intelligence J2S, Joint Staff J2, as designated by the Chairman of the Joint Chiefs of Staff, shall serve as the Chair.
2. U.S. Joint Forces Command (USJFCOM)'s J2, as designated by the Chairman of the Joint Chiefs of Staff, shall serve as the Co-Chair.
3. USD(I)'s Deputy Under Secretary of Defense for Portfolio, Programs and Resources, or designee.
4. The Chief Information Officers for the Office of the Director of National Intelligence, Defense Intelligence Components (Defense Intelligence Agency, National Geospatial-Intelligence Agency, National Security Agency/Central Security Service, National Reconnaissance Office), or their designees.
5. The Director, Operational Test and Evaluation, or designee.
6. The ASD(NII)/DoD Chief Information Officer, or designee.
7. The Director, Defense Information Systems Agency, or designee, as the Advisor for Global Information Grid/Netcentric Enterprise Services migration.
8. The Senior Intelligence Officer, United States Army, or designee.
9. The Senior Intelligence Officer, United States Navy, or designee.
10. The Senior Intelligence Officer, United States Marine Corps, or designee.
11. The Senior Intelligence Officer, United States Air Force, or designee.

12. The Directors of Intelligence for the Combatant Commands, or their designees.
13. The Deputy Director for Targets, Joint Staff J2, or designee, as the advisor for targeting automation systems.
14. The Deputy Director for Command Systems Operations, Joint Staff Director of Operations, or designee.
15. Joint Staff Command, Control, Communications and Computer Systems Directorate (J6) or designee.
16. The Deputy Director for Joint Capabilities, Joint Staff Force Structure, Resources, and Assessment Directorate (J8), or designee.
17. The Commander, Joint Systems Integration Command, or designee, as the advisor for technical demonstrations.
18. The Commander, Joint Interoperability Test Command, or designee, as the advisor for interoperability certification.
19. The Director, Wayne E. Meyer Institute of Systems Engineering, Naval Postgraduate School, or designee, as the advisor for analysis and assessments.
20. The Program Managers, or designees, for the JIIB systems listed in Enclosure 5.
21. Director, USJFCOM Joint Capability Development Directorate J8, or designee.
22. Director, USJFCOM Joint Combat Capability Developer, J88.
23. Senior Intelligence Officer, United States Special Operations Command, or designee.

ENCLOSURE 5

JIB AND RELATED C2 SYSTEMS

1. Advanced Field Artillery Tactical Data System.
2. Air Force Distributed Common Ground System (AF-DCGS).
3. All-Source Analysis System (ASAS).
4. Collection Management Mission Applications (CMMA).
5. DCGS-Army (DCGS-A).
6. DCGS-Marine Corps (DCGS-MC).
7. DCGS-Navy (DCGS-N).
8. DCGS for Special Operations Forces (DCGS-SOF).
9. GCCS-Joint (GCCS-J).
10. GCCS-Army (GCCS-A).
11. GCCS-Maritime (GCCS-M).
12. GCCS-Integrated Imagery and Intelligence (GCCS-I3) / Joint Deployable Intelligence Support System (JDISS).
13. The Integrated Broadcast System (IBS).
14. Intelligence Analysis System (IAS).

15. Joint Targeting Toolbox (JTT).
16. NECC.
17. Modernized Integrated Database (MIDB).
18. SOF Digital Environment (SDE) / Tactical Local Area Network (TACLAN).
19. Theater Battle Management Core System (TBMCS).

GLOSSARY

ABBREVIATIONS AND ACRONYMS

|          |  |
|----------|--|
| ASD(NII) | Assistant Secretary of Defense for Network Integration and Interoperability            |
| C2       | command and control  |
| DCGS     | distributed common ground service or station   |
| DoDD     | Department of Defense Directive  |
| GCCS     | Global Command and Control System  |
| ISR      | intelligence, surveillance, and reconnaissance   |
| J2       | Intelligence Directorate   |
| J2S      | Joint Chiefs of Staff Joint Staff Support  |
| J6       | Command, Control, Communications, Computer Systems Directorate                         |
| J8       | Joint Capabilities, Joint Staff Force Structure, Resources, and Assessment Directorate |
| JCCD     | Joint Capability Combat Developer  |
| JIB      | Joint Intelligence Interoperability Board  |
| JIIWG    | Joint Intelligence Interoperability Working Groups                                     |
| JITC     | Joint Interoperability Test Command  |
| JSBA     | Joint Systems Baseline Assessment  |
| JSIC     | Joint Systems Integration Command  |
| NECC     | Net-Enabled Command Capability   |
| USD(I)   | Under Secretary of Defense for Intelligence  |
| USJFCOM  | United States Joint Forces Command   |