



# Department of Defense INSTRUCTION

NUMBER 4650.06

November 24, 2009

---

---

ASD(NII)/DoD CIO

SUBJECT: DoD Positioning, Navigation, and Timing (PNT) Executive Committee and Working Groups

References: See Enclosure 1

1. **PURPOSE.** This Instruction, in accordance with the authority in DoD Directive (DoDD) 4650.05 (Reference (a)) and DoDD 5144.1 (Reference (b)), implements policy, assigns responsibilities, and prescribes procedures for the DoD PNT Executive Committee, DoD PNT Working Group (PNTWG), and DoD Navigation Warfare (NAVWAR) Working Group.
2. **APPLICABILITY.** This Instruction applies to 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 in the Department of Defense (hereafter referred to collectively as the "DoD Components").
3. **DEFINITIONS.** These terms and their definitions are for the purpose of this Instruction.
  - a. **navigation.** The ability to determine current and desired position (relative or absolute) and, referencing geospatial information and products to characterize the environment and conditions, apply corrections to course, orientation, and speed to attain a desired position anywhere within the battlespace, within user-defined timeliness parameters.
  - b. **NAVWAR.** Deliberate military operations to gain and maintain a positioning, navigation, and timing information advantage. Desired effects are generated through the coordinated deployment of components within information operations, space operations, and cyberspace operations, including electronic warfare, space control, space force enhancement, and computer network operations.
  - c. **positioning.** The user's ability to accurately and precisely determine his or her location and orientation two-dimensionally (or three-dimensionally when required) referenced to a

standard geodetic system (World Geodetic System 1984, height above ellipsoid or other vertical datum), anywhere within the battlespace, and within user-defined timeliness parameters.

d. timing. The ability to acquire and maintain accurate and precise time from a standard (Coordinated Universal Time, U. S. Naval Observatory) anywhere within the battlespace, and within user-defined timeliness parameters. Timing includes time transfer.

3. POLICY. It is DoD policy pursuant to Reference (a) that:

a. The DoD PNT Executive Committee serves as the primary advisory body to the Assistant Secretary of Defense for Networks and Information Integration/DoD Chief Information Officer (ASD(NII)/DoD CIO) on all PNT matters. The DoD PNTWG and DoD NAVWAR Working Group support the DoD PNT Executive Committee in performing its functions.

b. The Committee and its working groups, comprised of full-time or permanent part-time Federal employees, provide the means for the ASD(NII)/DoD CIO to execute the specific Global Positioning System and PNT responsibilities assigned by Reference (a) and to develop and coordinate DoD positions to meet DoD responsibilities pursuant to National Security Presidential Directive 39 (Reference (c)).

4. RESPONSIBILITIES

a. ASD(NII)/DoD CIO. The ASD(NII)/DoD CIO shall chair the PNT Executive Committee, designate an Executive Secretary for the Committee, and ensure the Committee performs the functions set forth in Enclosure 2.

b. Heads of the DoD Components. The Heads of the DoD Components listed in subparagraph 1.a.(3) of Enclosure 2 shall designate in writing one principal representative to represent their entire respective organizations on PNT matters on the DoD PNT Executive Committee.

5. PROCEDURES. Enclosure 2 provides procedures for the composition and conduct of the DoD PNT Executive Committee and its supporting DoD PNTWG and DoD NAVWAR Working Group.

6. RELEASABILITY. UNLIMITED. This Instruction is approved for public release and is available on the Internet from the DoD Issuances Web Site at <http://www.dtic.mil/whs/directives>.

7. EFFECTIVE DATE. This Instruction is effective immediately.



Cheryl J. Roby  
Acting Assistant Secretary of Defense for  
Networks and Information Integration/  
DoD Chief Information Officer

Enclosures

1. References
2. Procedures

ENCLOSURE 1

REFERENCES

- (a) DoD Directive 4650.05, "Positioning, Navigation, and Timing (PNT)," February 19, 2008
- (b) DoD Directive 5144.1, "Assistant Secretary of Defense for Networks and Information Integration/DoD Chief Information Officer (ASD(NII)/DoD CIO)," May 2, 2005
- (c) National Security Presidential Directive 39, "U.S. Space-Based Positioning, Navigation, and Timing Policy," December 8, 2004<sup>1</sup>
- (d) National Space-Based Positioning, Navigation, and Timing Executive Committee, "Five-Year National Space-Based PNT Plan," June 11, 2009<sup>2</sup>
- (e) Department of Defense, Department of Homeland Security, and Department of Transportation, "2008 Federal Radionavigation Plan," January 23, 2009<sup>3</sup>
- (f) Deputy Secretary of Defense Memorandum, "Navigation Warfare Implementation Guidance," November 17, 2004
- (g) Assistant Secretary of Defense for Networks and Information Integration/DoD Chief Information Officer Memorandum, "Global Positioning System (GPS) Program Review," July 5, 2006
- (h) Chairman of the Joint Chiefs of Staff Instruction 3170.01G, "Joint Capabilities Integration Development System (JCIDS)," March 1, 2009

---

<sup>1</sup> Available to authorized personnel at [http://www.jnwc.smil.mil/us\\_only/Documents/Policy/\(S\)%20NSPD-39.pdf](http://www.jnwc.smil.mil/us_only/Documents/Policy/(S)%20NSPD-39.pdf). Fact sheet is available at <http://pnt.gov/policy/2004-policy.shtml>.

<sup>2</sup> Available to authorized personnel at <https://internal.pnt.gov/default.aspx>

<sup>3</sup> Available on the Internet at [http://www.navcen.uscg.gov/pubs/frp2008/2008\\_Federal\\_Radionavigation\\_Plan.pdf](http://www.navcen.uscg.gov/pubs/frp2008/2008_Federal_Radionavigation_Plan.pdf).

ENCLOSURE 2

PROCEDURES

1. DoD PNT EXECUTIVE COMMITTEE

a. Composition. The DoD PNT Executive Committee shall be composed of:

- (1) The ASD(NII)/DoD CIO, who shall chair the committee.
- (2) An Executive Secretary designated by the Chair.
- (3) One principal representative to represent their entire respective organizations on PNT matters, as designated in writing by the:
  - (a) Under Secretary of Defense (Comptroller)/Chief Financial Officer.
  - (b) Under Secretary of Defense for Policy (USD(P)).
  - (c) Under Secretary of Defense for Intelligence (USD(I)).
  - (d) Director, National Security Agency (NSA).
  - (e) Director, Defense Intelligence Agency (DIA).
  - (f) Director, National Geospatial-Intelligence Agency (NGA).
  - (g) Under Secretary of Defense for Acquisition, Technology, and Logistics (USD(AT&L)).
  - (h) General Counsel of the Department of Defense.
  - (i) Director, Program Analysis and Evaluation.
  - (j) Secretaries of the Military Departments.
  - (k) Chairman of the Joint Chiefs of Staff.
  - (l) Chief of Staff, U.S. Air Force.
  - (m) Commandant of the Marine Corps.
  - (n) Superintendent, U.S. Naval Observatory.
  - (o) Commander, United States Strategic Command (USSTRATCOM).

(4) Other members as the Chair may invite to participate in the Committee as necessary.

b. Function. The DoD PNT Executive Committee shall:

(1) Function as the primary advisory body to the ASD(NII)/DoD CIO on all DoD PNT matters.

(2) Advise the ASD(NII)/DoD CIO regarding overall management supervision and decision processes for DoD PNT matters, including annual review of National Space-Based PNT Executive Committee Plan (Reference (d)); biennial review of DoD, Department of Homeland Security, and Department of Transportation Plan (Reference (e)); and other such plans requiring DoD-level review including architecture products relevant to DoD PNT systems.

(3) Establish additional working groups to support the Committee as required.

## 2. DoD PNTWG

a. Composition

(1) The DoD PNTWG shall be chaired by a staff representative designated by the ASD(NII)/DoD CIO.

(2) The DoD PNTWG membership shall mirror the DoD PNT Executive Committee membership. Each DoD PNT Committee principal shall designate a DoD PNTWG lead in writing.

(3) Additional working group members may be assigned by respective DoD PNTWG leads as required to assist in formulating organizational positions for their respective DoD PNT Executive Committee principals. The ability to assign additional members is intended to ensure that DoD PNTWG leads have ready access to Executive Committee principals who represent their entire organization on PNT matters.

b. Function. To accomplish its objectives in support of the DoD PNT Executive Committee, the DoD PNTWG shall:

(1) Function as the single body that develops recommendations for Committee action through regular meetings and a systematic coordination process.

(2) Ensure Committee principals are consistently engaged in DoD-level discussions regarding all PNT matters affecting the Department and the Nation.

(3) Promote regular information sharing with Committee principals so they will be fully informed when actions are raised for decision.

(4) Encourage development of a collaborative spirit among DoD PNTWG colleagues and facilitate the ability of the ASD(NII)/DoD CIO to efficiently manage Committee actions, to effectively prepare the Deputy Secretary of Defense to co-chair the National Space-Based PNT Executive Committee, and to execute responsibilities relative to the Global Positioning System assigned in Reference (c).

(5) Establish ad hoc working groups to address specific issues for DoD PNTWG and Committee consideration. Potential focus areas include PNT security and information assurance, PNT international cooperation, and PNT science and technology.

### 3. DoD NAVWAR WORKING GROUP

a. Composition. The DoD NAVWAR Working Group shall be:

(1) Tri-chaired by staff representatives designated by the ASD(NII)/DoD CIO; the Commander, USSTRATCOM; and the Chairman of the Joint Chiefs of Staff.

(2) Composed of one representative to represent the entire respective organization on NAVWAR matters affecting planning and operations from the offices of the:

- (a) USD(P).
- (b) USD(I).
- (c) Director, NSA.
- (d) Director, DIA.
- (e) Director, National Reconnaissance Office.
- (f) Director, NGA
- (g) USD(AT&L).
- (h) United States Army.
- (i) United States Navy.
- (j) United States Air Force.
- (k) United States Marine Corps.
- (l) Joint Staff.
- (m) USSTRATCOM.

(n) United States Northern Command.

(o) United States Joint Forces Command.

(p) Composed of other members as the Chair may invite to participate in the DoD NAVWAR Working Group as necessary.

b. Function. To support the objectives of the DoD PNT Executive Committee, the DoD NAVWAR Working Group shall:

(1) Assess DoD NAVWAR implementation status of actions as outlined in Deputy Secretary of Defense Memorandum (Reference (f)) and ASD(NII)/DoD CIO Memorandum (Reference (g)).

(2) Advise and assist in the development and integration of NAVWAR-related policy and capabilities in appropriate deliberations and activities at OSD, Joint Staff, Combatant Command, and Service levels. These activities include such mission areas as information operations, space operations, and cyberspace operations and their subcomponents (i.e., electronic warfare, space control, space force enhancement, and computer network operations). The DoD NAVWAR Working Group shall:

(a) Review and comment on NAVWAR-related policy, doctrine, and DoD issuances.

(b) Within existing corporate processes, such as the Joint Capabilities Integration Development System described in Chairman of the Joint Chiefs of Staff Instruction 3170.01G (Reference (h)), review and advise on the assessment of existing and potential NAVWAR capabilities and capability shortfalls.

(c) Within existing corporate processes, review and advise on NAVWAR employment options. This includes advising and, where requested assisting in writing, overarching NAVWAR concepts of operations.

(d) Review and recommend content to NAVWAR intelligence products, such as the DIA Biennial NAVWAR Assessment and Intelligence Preparations of the Battlespace.

(e) Provide a joint forum to facilitate compatibility of technologies and applications related to NAVWAR.