DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON,D.C. 20350-2000

IN REPLY REFER TO:

OPNAVINST 8010.13D
N86
16 Aug 06

OPNAV INSTRUCTION 8010.13D

From: Chief of Naval Operations

Subj: DEPARTMENT OF THE NAVY POLICY ON INSENSITIVE MUNITIONS

Ref: (a) 10 USC, Chapter 141, § 2389
(b) DODD 5000.1 of 12 May 2003
(c) CJCSM 3170.01B
(d) OUSD (AT&L) Memorandum of 21 Jul 2004, Insensitive Munitions (IM) Strategic Planning

Encl: (1) Insensitive Munitions Strategic Plan (IMSP) Key Elements

1. Purpose. To issue revised Department of the Navy Insensitive Munitions (DON IM) policy. This is a complete revision and should be reviewed in its entirety.

2. Cancellation. OPNAVINST 8010.13C.

3. Discussion

a. Insensitive Munitions are those munitions designed to fulfill their performance, readiness and operational requirements on demand, while minimizing the violence of their response to unplanned stimuli, such as heat, shock, and impact.

b. The term munitions refers to all non-nuclear energetic devices, including bombs, missiles, torpedoes, mines, pyrotechnic devices, demolition charges, rocket motors and other devices that utilize energetic materials. The energetic materials in these munitions produce the required propulsive power, fuzing and terminal effects to meet operational requirements. However, the intrinsic sensitivity of these materials also makes the munitions susceptible to initiation or ignition by unplanned stimuli. As a result of this sensitivity, munitions present a major threat to personnel and to the survivability of our ships and other weapons platforms, as well as our storage facilities and transportation modes. The United

States Congress recognized this and amended Public Law through the National Defense Authorization Act for Fiscal Year (FY) 2002, directing that munitions under development or procurement be safe throughout development and fielding when subject to unplanned stimuli (reference (a) refers).

4. Policy

a. The Department of Defense (DoD) IM policy, established in reference (b), requires that all systems containing energetics comply with insensitive munitions criteria. Reference (c) does the following:

(1) Sets forth guidelines and procedures for the operation of the Joint Capabilities Integration and Development System (JCIDS)

(2) Mandates JCIDS requirements documents for munitions, regardless of Acquisition Category (ACAT) level, contain the requirement to conform to IM (unplanned stimuli) criteria.

(3) Mandates IM waivers approved by the Joint Requirements Oversight Council (JROC) for all munition items not meeting this criteria.

(4) Requires that IM waiver requests include a Component or agency approved insensitive munitions Plan of Action and Milestones (POA&M) to identify how future purchases of the same system or future system variants will achieve incremental and full compliance.

(5) The Office of the Undersecretary of Defense, Acquisition, Technology and Logistics (OUSD (AT&L)) determined that, while the existing IM waiver process was effective, it was sub-optimized, limiting the JROC's view to individual munitions programs without insight or recognition of other related IM efforts or investment priorities. The policy was thus expanded, via reference (d), requiring Program Executive Offices (PEOs) with weapon responsibilities to develop and submit annual IM Strategic Plans (IMSPs) to the JROC and OUSD (AT&L). These plans serve to increase the visibility into the total PEO munitions portfolio and enable decisions to be made in a broader context.

b. All Naval munitions, without regard to ACAT level or source of origin (i.e., new procurements of legacy systems, R&D programs, Product Improvement Programs (PIPs), Non-Developmental Items, etc.) shall be designed to meet IM requirements, as specified by Commander, Naval Sea Systems Command (COMNAVSEASYSCOM) governing instructions. Operational capabilities must be attained without compromising system and platform safety. IM should be integrated using a systems safety approach (i.e. energetic materials, case and container design configurations, etc). Achieving IM compliance is not to be viewed as a one-time process for a program. This must be viewed over the program's entire life cycle. DoD acquisition policy specifies evolutionary acquisition strategies as the preferred approach to satisfying operational needs. Spiral development is the preferred process for executing such strategies. IM considerations must be included in these windows of opportunity that match available technology and resources, thus enabling the evolutionary acquisition strategies.

c. IM compliance shall be addressed at all milestone reviews for munitions programs. The ultimate objective is to design and deploy munitions that have no adverse reaction to unplanned stimuli.

d. The Navy's IM policy extends to all munitions, regardless of the source of design or manufacture, which are used, stored or transported aboard U. S. Navy ships, weapon platforms, weapon carriers, and munitions held at Naval shore activities. Every effort shall be made with other Services to ensure maximum compliance with the provisions of the references.

5. Action

a. The Director, Surface Warfare (N86) is the U.S. Navy's IM Executive Agent with responsibility for overseeing and coordinating the planning, funding, and execution of the IM program.

b. The OPNAV Insensitive Munitions Council (IMC) is established to assist the Surface Warfare Division in the execution of the IM program. The IMC shall be chaired by the Deputy of Surface Warfare (N86B) who shall coordinate IMC activities.

(1) Members of the Council are as follows:

(a) Assistant Secretary of the Navy, Research, Development & Acquisition (ASN RDA)

(b) Director, Supply Programs and Policy Division (N41)

(c) Director, Assessment Division (N81)

(d) Chairperson, Insensitive Munitions Coordination Group (SEA-00V), Naval Sea Systems Command

(e) Assistant Commander for Research and Engineering (AIR-4.0), Naval Air Systems Command

(f) Head, Aviation Plans and Requirements Branch (N880)

(g) Head, Submarine Weapons and Payloads Branch (N872C)

(h) Office of Naval Research (ONR)

(i) Program Manager for Ammunition, Marine Corps Systems Command (PM Ammo)

(j) Fleet user representation (Fleet Forces Command)

(2) Other participants (i.e., OSD, other Military Department or Service IM representatives, etc.) may be invited at the discretion of the IMC Chairperson.

(3) The IMC shall meet periodically, at least semi-annually or at the call of the Chairperson. Duties of the IMC shall include: OPNAV approval for DON IMSPs; coordination of the planning, funding, and execution of the IM program; development of Naval positions on requests for IM certifications and waivers; the conduct of reviews of other Services' PEO IMSPs; and other matters pertaining to IM. Council activities should be timed to provide support for programmatic and budgetary decisions by Principal OPNAV Officials.

(4) Reference (d) requires that PEO IM Strategic Plans

be co-signed by the appropriate Acquisition Executive and Comptroller (or Resource Sponsor), thus conveying a commitment to execution and funding. In order to minimize disruption to the PEO IM planning effort, and the time required for coordination and staffing, appropriate CNO Resource Sponsors shall certify that resources depicted in respective PEO IMSP are within the DON Budget. This certification shall be presented at the IMC meeting. IMC approval will thus constitute the only OPNAV endorsement required, allowing the plans to be forwarded directly to ASN (RD&A).

c. The OPNAV Insensitive Munitions Council Working Group (IMCWG) shall consist of the action officers designated by the IMC members. The IMCWG shall support the IMC by providing assistance when requested.

d. COMNAVSEASYSCOM, as the lead Systems Command for explosive materials, energetic materials and insensitive munitions, shall:

(1) Establish the Navy Insensitive Munitions Coordination Group (IMCG) to support the IMC in all aspects of planning and execution of the IM program, including consolidation and oversight of the IM Strategic Plans, plans of action and milestones (POA&Ms) for all munitions programs requiring waivers, and IM technology development efforts.

(2) Assign an IMC Executive Secretariat.

(3) Assign a representative to the IMCWG.

(4) Issue implementing instructions pertaining to the technical and program requirements for IM.

(5) Establish the Naval Ordnance Safety and Security Activity (NOSSA N83) as the Navy Insensitive Munitions Office (IMO). The responsibilities of the IMO shall include:

(a) Supporting the IMCG/IMC through establishment of an oversight process to identify munitions programs and the conduct of reviews to evaluate IM compliance.

(b) Managing and technically directing the Navy IM Advanced Development (IMAD) Program.

(c) Establishing and maintaining IMSP, waiver, POA&M and certification processes and procedures for IM consistent with policies established by DoD.

(d) Maintaining records of all IMSP, waivers, POA&Ms, and certifications. This includes waivers submitted by all Services/Components that require review by the IMC.

(e) Serving as the Navy lead in maintaining an active role in the DoD IM Integrated Process Team (IPT) including required participation in the Joint Services IM Technical Panel (JSIMTP).

(f) Serving as the Navy lead in the coordination and participation within the NATO Insensitive Munitions community.

e. Program Executive Officers/Program Managers (PEO/PM) shall identify their respective weapon programs that are subject to IM criteria via their IMSP. Military Departments are required to submit their respective plans to the JROC and OUSD (AT&L) by 15 February, annually. In order to provide adequate time for review and coordination of IMC activities, DON IMSPs shall be submitted to the IMC Executive Secretariat not later than 90 days prior to the OSD deadline. IMSP Key elements are provided in enclosure (1). For IMSP purposes, the Marine Corps has consolidated all IM-related activities under the Marine Corps Systems Command (MCSC), Program Manager for Ammunition (PM Ammo). Accordingly, all references in this instruction to PEOs shall also apply to PM Ammo.

(1) In-service munitions shall have a valid IM certification or waiver at all times throughout its lifecycle, but not later than Milestone C (Full Rate Production decision).

(2) Any departure from the policy provisions of this instruction must be approved by the IMC. While the IMSP is the vehicle to consolidate and submit IM waiver requests, PEOs will retain the flexibility to submit individual waiver requests, in the unusual case where such a request is needed, to meet specific urgent program milestones or warfighter requirements. These out-of-cycle requests will include the same information required of IMSPs (i.e., POA&M, schedule, funding requirements, etc.) for transition to IM-compliant status. Additionally,

justification of the need will be provided (i.e., Urgent Need Statement, etc.). A waiver may be requested only after a thorough evaluation of a munition shows that meeting the IM requirements is not feasible. All out-of-cycle waivers processed shall be reported in the next IMSP submission.

(3) The IMC will certify all Naval munitions, which meet IM technical requirements. A system description, IM test description and results, a technical assessment by the IMO, and a recommendation by the IMCG shall accompany a request for IM certification.

f. PEOs will take action to ensure that the policies within this instruction are implemented.

g. All implementing instructions will be reviewed and revised, as necessary, to conform with this instruction within 120 days from the date of issuance.

L. W. CRENSHAW, JR.

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Vice Admiral, U.S. Navy
Deputy Chief of Naval Operations
for Integration of Capabilities and Resources

INSENSITIVE MUNITIONS STRATEGIC PLAN KEY ELEMENTS

1. Address Line. DON Insensitive Munitions Strategic Plans (IMSP) shall be addressed as follows:

From: Reporting Program Executive Office (PEO)
To: Assistant Secretary of the Navy, Research, Development & Acquisition (ASN RD&A)
Via: Chief of Naval Operations (N86B)

2. IMSP Key Elements. Each IMSP shall include as a minimum:

a. An Executive Summary that discusses the plan's key points and the methodology used in the development and decision process.

b. A complete list of all munitions (e.g., legacy, developmental, awaiting production, Advanced Concept Technology Demonstration (ACTD), Advanced Technology Demonstration (ATD), current inventory) for which that PEO has acquisition and lifecycle authority.

c. For each munition include:

(1) Munition characteristics including Naval Ammunition Logistics Code (NALC)/DoD Identification Code (DODIC), nomenclature, Mark and/or Mod, Net Explosive Weight (NEW), and energetic fills of each relevant component.

(2) Research, Development, Test and Evaluation (RDT&E) and procurement profile (funding and quantity across the FYDP).

(3) Baseline IM performance (known or predicted) for the IM threats per MIL-STD 2105C and the hazard classification (HC) assigned (interim or final).

(4) Ongoing and planned technology integration efforts aimed at IM improvement and HC reduction, and the funding supporting such efforts.

(5) New technologies required for achieving incremental and full IM compliance and the schedule for technology maturity.

d. Munition system IM investment priorities and prioritization criteria.

e. Funded Service-specific and Joint investments to demonstrate and integrate new IM technologies.

f. All unfunded IM requirements.