

U.S. DoD Insensitive Munitions and Energetic Materials Program Perspective



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United States IM Law



Congress by Public Law Number 107-107 (2001) issued the IM Law Statement (Title 10, Chapter 141, Section § 2389) "National Defense Authorization Act for Fiscal Year 2002"

United States Code, Title 10, Chapter 141, Section 2389.

§ 2389. Ensuring safety regarding insensitive munitions.

The Secretary of Defense shall ensure, to the extent practicable, that munitions under development or procurement are safe throughout development and fielding when subjected to unplanned stimuli.

CJCS INSTRUCTION 3170.01C



The **Draft CJCSI 3170.01C (January 20, 2003, Baseline)**, Joint Capabilities Integration and Development System (JCIDS)

1. Enclosure A. Page A-22, Paragraph 10.c.(3) Director, J-4, Joint Staff.

(b) Insensitive Munitions. J-4 will certify that all CDDs and CPDs for munitions, regardless of ACAT level, contain the requirement to conform with insensitive munitions (unplanned stimuli) criteria. As a minimum, these CDDs and CPDs will contain the statement “Munitions used in this system will be designed to resist insensitive munitions threats (unplanned stimuli).”

(c) Insensitive Munitions Waiver Requests. Insensitive munitions and cross-Service interoperability waiver requests require approval by the JROC. *Insensitive munitions waiver requests shall include Military Service or Agency approved Insensitive Munitions Plan Of Action and Milestones to identify how future buys of same or future system variants will achieve incremental and full compliance.* Waiver requests will be submitted to J-4 for review and then forwarded to the JROC secretariat for JROC consideration.

CJCS INSTRUCTION 3170.01C



2. **Appendix A, Enclosure D. Capability Development Document (CDD).** Page D-A-5, Paragraph 13. Addresses system characteristics and specifically states “unplanned stimuli (such as fast cook-off, bullet impact, and sympathetic detonation)”.
 3. **Appendix A, Enclosure E. Capability Production Document (CPD).** Page E-A-5, Paragraph 13. Addresses system characteristics and specifically states “unplanned stimuli (such as fast cook-off, bullet impact, and sympathetic detonation)”.
- ? The new CJCSI 3170.01C will be released after the release of DoD Directive 5000.1 and DoD Instruction 5000.2 in March 2003.

DOD DIRECTIVE 5000.1



New DoD Directive 5000.1 and DoD Instruction 5000.2 on Defense Acquisition System, the two key DoD mandatory documents on acquisition, are to be signed and released in March 2003. A Defense Acquisition Guidebook, to be released later on, will provide non-mandatory information.

DoD Directive 5000.1:

3.XX. Safety. Safety shall be addressed throughout the acquisition process. Safety encompasses human (includes human / system interfaces), toxic / hazardous materials and substances, production / manufacturing, testing, facilities, logistical support, weapons, and munitions / explosives. All systems containing energetics shall comply with **insensitive munitions** criteria.

USD(AT&L) IM POLICY



USD(AT&L) Memorandum of January 26, 1999, Subject: “Exemption for Existing Inventory Items to Insensitive Munitions (IM) Requirements”, created three categories of munitions. Note: By now (Year 2003), almost all are Category I.

Category I. All new munitions or munitions produced on production contracts signed after January 26, 1999, shall be fully IM-compliant or have an approved IM waiver.

Category II. Munitions that are produced on production contracts signed on or before January 26, 1999, the “Services should look for every feasible window of opportunity to insert IM technology into weapons continuing in production”, which includes exercising production contract options, modification programs, or engineering change proposals.

Category III. Munitions that have been produced (in the inventory, awaiting acceptance) on or before January 26, 1999, are exempt from satisfying IM requirements. Exemption is based solely on criterion of munitions items’ state of production (whether they were physically produced); no exemption is provided based on the use of existing National Stock Number or Technical Drawing / Documentation / Data Package. Also, “the aforementioned exemption is not transferable to new or modified munitions that use components, groups, sections, or subsystems from exempted munitions”. The new / modified munitions and the parts are not exempt.