



DEPARTMENT OF DEFENSE EXPLOSIVES SAFETY BOARD
2461 EISENHOWER AVENUE
ALEXANDRIA VIRGINIA A 22331-0600



09 JUN 2003

DDESB-KT

MEMORANDUM FOR ARMY BOARD MEMBER, MR. JAMES C. KING
NAVY BOARD MEMBER, CAPTAIN MARK HELMKAMP
AIR FORCE BOARD MEMBER, COLONEL DANIEL TOMPKINS
MARINE CORPS BOARD MEMBER, MR. JERRY MAZZA

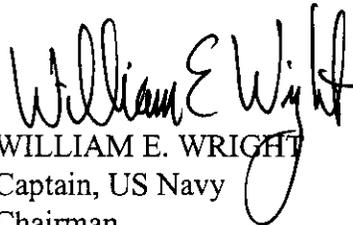
SUBJECT: Board Approval of Criteria for Demilitarization Processing Equipment and Operations for Expended .50-Caliber and Smaller Cartridge Casings by Correspondence Vote

- References:
- (a) DDESB-KT memo of 31 Mar 2003, Subject: Board Vote by Correspondence on Criteria for Demilitarization Processing Equipment and Operations for Expended .50-Caliber and Smaller Cartridge Casings
 - (b) E-mail from Mr. Jerry Mazza (USMC) of 1 Apr 2003, Subject: Re: Deformer Criteria – Vote by Correspondence
 - (c) USN CNO memo 8000 Ser N411C1/3U572736 of 3 Apr 2003, Subject: Board Vote by Correspondence on Criteria for Demilitarization Processing Equipment and Operations for Expended .50-Caliber and Smaller Cartridge Casings
 - (d) E-mail from Colonel Daniel Tompkins (USAF) of 19 May 2003, Subject: FW: Deformer Criteria – UNUSED Ammunition??
 - (e) E-mail from Mr. JC King (USA) of 20 May 2003, Subject: FW: Board Vote by Correspondence on Criteria for Demilitarization Processing Equipment and Operations for Expended .50-Caliber and Smaller Cartridge Casings.

Reference (a) requested Department of Defense Explosives Safety Board Members to vote by correspondence on proposed new criteria for demilitarization processing equipment and operations for expended .50-caliber and smaller cartridge casings. References (b) through (e) are the Board Members' concurrences with the criteria as proposed. Consequently, the new explosives safety criteria outlined in the attachment are hereby approved.

The approved text will be incorporated into both the Secretariat's in-house working and rewrite versions of DoD 6055.9-STD, which will then be posted to the DDESB web page at <http://www.ddesb.pentagon.mil>.

The Department of Defense Explosives Safety Board point of contact for this action is Mr. Brent E. Knoblett, DSN: 221-1375, commercial: (703) 325-1375, FAX: (703) 325-6227, or E-mail: Brent.Knoblett@ddesb.osd.mil.


WILLIAM E. WRIGHT
Captain, US Navy
Chairman

Attachment
As stated

cc:

Alternate Army Board Member, Lieutenant Colonel Susan P. Carlson
Alternate Navy Board Member, Captain Robert M. Honey
Alternate Air Force Board Member, Mr. Eric Olson
Alternate Marine Corp Board Member, Mr. Thierry Chiapello
JCS (J-4-SMPD)
DTRA (CDR Gatski)
DCMA (DCMA-O)
TRANSCOM (TCJ4-LT)
DA, Director of Safety (Mr. J. Gibson)
USADAC/SJMAC-ES (Mr. Stroo)
NOSSA/N7D (Mr. Richard T. Adams)

**New Criteria for Demilitarization Processing Equipment and Operations
for Expended .50-Caliber and Smaller Cartridge Casings**

NEW PARAGRAPH C5.5.21.:

C5.5.21. Demilitarization Processing Equipment and Operations for Expended .50-Caliber and Smaller Cartridge Casings.

C5.5.21.1. A demilitarization operation for processing expended .50-caliber and smaller cartridge cases can be treated as a non-explosive operation provided:

C5.5.21.1.1. Cartridge casings to be processed are screened prior to processing. (Note: Screening is intended to ensure that only .50-caliber and smaller are processed, and to remove unused .50-caliber and smaller cartridges.)

C5.5.21.1.2. Demilitarization processing equipment is tested to be capable of containing overpressure, fragment, and thermal hazards associated with a worst-case reaction involving a single live round of the most energetic cartridge that could be processed in the equipment.

C5.5.21.1.3. Demilitarization processing equipment is operated within the manufacturer's specifications and restricted only to the processing of expended .50-caliber and smaller cartridge casings.

C5.5.21.1.4. Demilitarization processing equipment is inspected and maintained to ensure safe operation.

C5.5.21.2. DoD Components will:

C5.5.21.2.1. Approve the use of specific demilitarization processing equipment.

C5.5.21.2.2. Establish and implement procedures for:

C5.5.21.2.2.1. Screening and segregating the material to be processed.

C5.5.21.2.2.2. Operating, inspecting, and maintaining the demilitarization processing equipment to ensure safe operation.

C5.5.21.2.2.3. Dispositioning of processed material.

C5.5.21.3. Explosives Safety Siting.

C5.5.21.3.1. Demilitarization processing operation locations meeting C5.5.21.1. and C5.5.21.2., and located outside of IBD from all PES, do not require submission of a site plan to the DDESB (see C5.6.5.10.).

C5.5.21.3.2. Locations used for demilitarization processing operations that are located within IBD arcs:

C5.5.21.3.2.1. Require submission of a site plan to the DDESB.

C5.5.21.3.2.2. Will be sited at ILD, except from the PES to which it is integral.

NEW PARAGRAPH C5.6.5.10. :

C5.6.5.10. Locations used for a demilitarization processing operation of expended .50-caliber and smaller cartridge casings that meet C5.5.21.1. and C5.5.21.2., and are located outside of IBD from all PES.