



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

21 MAR 2000

DDESB-KO

MEMORANDUM FOR COMMANDING OFFICER, NAVAL ORDNANCE SAFETY AND
SECURITY CENTER (ATTENTION: CODE N71)

SUBJECT: Review of Unsolicited Manufacturer's Design Documentation Submittal for the
"Golan 5" and "Golan 10" Protectainer [G-158]

References: (a) Memorandum from Commander, Naval Ordnance Center, "Review of
Unsolicited Manufacturer's Design Documentation Submittal for the "Golan 5"
and "Golan 10" Protectainer [G-158]," First Endorsement in
LANTNAVFACENGCOM letter 11000/Golan Mags 201RR dated
16 August 1999

(b) Mistral Security Inc. letter dated 29 June 1999

(c) "Golan 10" and "Golan 5" Protectainers - Design Calculations and Design
Drawings

(d) Israel Police National Headquarters letter dated 29 March 1998

The subject explosives safety submission forwarded by reference (a) and supported by material in references (b) through (d) has been reviewed with respect to explosives safety criteria. The submission requests approval for commercial explosives containers known as the "Golan 5" and the "Golan 10" Protectainers. Based on the information furnished, the two explosives containers are approved as follows:

a. NAVFACENGCOM or the appropriate military organization will maintain the design drawings and specifications for the two containers. Actual sitings of these containers will be done on a case-by-case basis.

b. The "Golan 5" and the "Golan 10" Protectainers may contain fragmenting munitions with diameters up to 1.6 inches (40 mm) and explosives materials weighing up to 11 and 22 pounds, respectively. However, shaped charges may not be stored in the Protectainers.

c. The minimum standoff distance between stored explosives material inside the Golan container and an interior wall of the Golan container is at least 19 inches for the "Golan 5" and 23 inches for the "Golan 10". The two containers must have positive design features to assure these minimum standoff distances.

d. Quantity distance (QD) sitings, treating a Golan container as a potential explosive site (PES), are 30 feet for inhabited building distance, 20 feet for public traffic route and 10 feet for intraline distance. These distances are measured from the outer perimeter of the PES Golan Protectainer acting as a donor. For intraline applications, the Golan container may be in the same building as its exposed sites (ES).

e. The minimum QD siting from any PES that totally contain blast hazards such as these Golan containers, to another exposed explosives storage site (acting as an ES), is K1.25.

f. The minimum QD siting from any PES that does not totally contain blast hazards to an ES Golan container is K6.

Retain a copy of this complete safety submission and this letter of approval as a permanent record at installations where the subject containers are present. Update the master planning documents and installation drawings to show resulting clear zones.

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