

# DATA ITEM DESCRIPTION

**Title:** Explosives Siting Plan

**Number:** MR-005-04

**Approval Date:** 20031201

**AMSC Number:**

**Limitation:**

**DTIC Applicable:** No

**GIDEP Applicable:** No

**Office of Primary Responsibility:** CEHNC-OE-CX

**Applicable Forms:**

**Use/Relationship:** The Explosives Siting Plan will be used to provide explosives safety criteria for planning and siting explosives operations for Munitions Response or other munitions related projects. This Data Item Description contains instructions for preparing work plan chapters addressing explosives siting procedures.

## Requirements:

1. The contractor shall, when required by the Government, submit an explosives siting plan that describes the safety criteria to be employed during Munitions and Explosives of Concern (MEC) or other munitions related operations.
2. The following distances and areas shall be described in the plan and sited on the Quantity–Distance (Q-D) map:
  - 2.1 Munitions Response Sites (MRS). Minimum separation distances (MSDs) for nonessential personnel, during MEC operations, at a MRS shall be explained in the text of the plan, and Q-D arcs drawn on the map. When a reduction to the  $1/600^2$  is authorized, both the  $1/600^2$  and maximum fragment distance Q-D arcs will be shown on the map. The maximum fragmentation distance will be used for intentional detonations unless engineering controls are employed to reduce the fragmentation distance to within the  $1/600^2$  distance. If engineering controls are used, the maximum fragmentation distance need not be shown on the map. Q-D Arcs shall be drawn from the outermost edge of the MRS.
  - 2.2 Planned or Established Demolition Areas. The MSD for all personnel shall be explained in the plan and the distance arcs drawn on the map. Department of Defense Explosives Safety Board (DDESB) approved engineering controls may be employed when the MSDs cannot be achieved. Proposals to use engineering controls, not approved by DDESB, will be accompanied by a detailed technical data package describing the design of the engineering control.
3. Foot Print Areas. The following footprint areas shall be addressed in the plan but do not have to be shown on the map:
  - 3.1 Blow-in-Place.
  - 3.2 Collection Points.
  - 3.3 In-Grid Consolidated Shots. The contractor shall use the USAESCH procedures, approved by DDESB, for consolidated shots. These procedures may be downloaded from the USAESCH OE Home Page.
4. Explosives Storage Magazines.
  - 4.1 Specify the type(s) of magazines used.
  - 4.2 Provide a tabulated list of the explosives, showing the Hazard Division (HD), Storage Compatibility Group, and total Net Explosives Weight (NEW) for each magazine.
  - 4.3 Provide a detailed technical data package or DDESB approval for any engineering controls to be used to mitigate exposures to the public when required Q-Ds cannot be met.

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5. Site Map. The site map should be scaled at 1-inch equals 400 feet. A larger scale may be used if available and the map can be logistically included in the work plan. A smaller scale is acceptable if distances can be accurately shown. If an unscaled map is used, the map must have labeled distances.

6. End of DID MR-005-04.