

DATA ITEM DESCRIPTION	<i>FORM APPROVAL OMB NO 0704-0188</i>
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1. TITLE Explosives Siting Plan	2. IDENTIFICATION NUMBER OT-005-04
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3. DESCRIPTION / PURPOSE To provide explosives safety criteria for planning and siting explosives operations at Ordnance and Explosives (OE) sites.
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4. APPROVAL DATE (YYMMDD) 990205	5. OFFICE OF PRIMARY RESPONSIBILITY CEHNC-OE-CX	6a. DTIC APPLICABLE	6b. GIDEP APPLICABLE
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7. APPLICATION / INTERRELATIONSHIP: This Data Item Description contains instructions for preparing work plans chapter describing explosives siting procedures on OE projects.
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8. APPROVAL LIMITATION	9a. APPLICABLE FORMS	9b. AMSC NUMBER
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<p>10. PREPARATION INSTRUCTIONS:</p> <p>10.1 The contractor shall, when required by the government, submit an explosives siting plan which describes the safety criteria to be employed during OE operations.</p> <p>10.2 The following explosives operations shall be described in the plan and sited on a site map.</p> <p style="padding-left: 20px;">10.2.1 Explosives Storage Magazines</p> <p style="padding-left: 40px;">10.2.1.1 Specify the type(s) of magazines used: commercial portable type, above ground, shed, earth-covered, etc.</p> <p style="padding-left: 40px;">10.2.1.2 State the Net Explosives Weight (NEW) and hazard division to be stored in each magazine. Generally, recovered OE is considered HD 1.1 unless there are obvious reasons it should not be.</p> <p style="padding-left: 40px;">10.2.1.3 Quantity Distance criteria specified in Chapter 9, Table 9-1, DOD 6055.9-STD shall be used to site the magazines at an Ordnance and Explosives site.</p> <p style="padding-left: 40px;">10.2.1.4 Specify design criteria for any engineering controls to be used to mitigate exposures to the public when required Quantity Distances cannot be met.</p> <p style="padding-left: 20px;">10.2.2 Ordnance and Explosives Areas</p> <p style="padding-left: 40px;">10.2.2.1 Safe separation distances for the public, during intrusive operations, at an OE site shall be determined using the following criteria: default distances in Chapter 5, paragraph E.4.a. if the type of OE is unknown; the maximum fragmentation distance for the Most Probable Munition (MPM), as calculated by Huntsville Center's Engineering Directorate, Structural Branch; or when conditions and OE hazards permit, the safe separation distance may be reduced to fit the situation, but in no case shall the distance be less than 1/600 ft², 200 ft, or the I.D. based on over pressure, whichever is greater. The information on which distance to be used will be furnished by the District Project Manager along with the calculation sheet determining the fragmentation distance. The distance shall be explained in text of the plan, and Quantity Distance Arcs drawn on the map. Q-D Arcs shall be drawn from the outermost edge of the OE area.</p> <p style="padding-left: 40px;">10.2.2.2 Planned or Established Demolition Areas. These areas shall be sited and shown on the map. A safe separation distance for all personnel shall be established based on the following criteria: default distances in Chapter 5, paragraph E.4a., DOD 6055.9-STD; or the maximum fragmentation distance for the MPM at the site calculated by Huntsville Center's Engineering Directorate Structural Branch. The safe separation distance shall be explained in the plan and the distance arcs drawn on the map.</p>

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11. DISTRIBUTION STATEMENT

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10.3 Foot Print Areas. The following footprint areas shall be addressed in the plan but do not have to be shown on the map.

10.3.1 Blow-in-Place. Safe separation distance for all personnel shall be determined using the criteria for established demolition areas.

10.3.2 Collection Points. Collection points, if used, shall have the same public separation distance as the MPM for the site.

10.3.3 In-Grid Consolidated Shots. Safe separation distance for all personnel shall be determined using the criteria for established demolition areas. The contractor shall use the CEHNC procedures, approved by DDESB, for consolidate shots. These procedures may be downloaded from the CEHNC-OE Home Page.

10.4 Site Map. The site map should be scaled at 1 inch equals 400 feet. A smaller scale is acceptable if distances can be accurately shown. If an unscaled map is used, the map must have labeled distances.