

All information contained in this transmittal is considered For Official Use Only.

The attached files contain instructional guidance for the construction of nine protective positions that can be implemented in a broad range of scenarios. These positions can be utilized to provide protective measures in both tactical environments (fighting positions, observation posts), as well as combat support environments (personnel bunkers, equipment bunkers, etc).

Position development was performed by the United States Army Corps of Engineers, Engineer Research and Development Center (ERDC) in conjunction with the United States Army Engineer School and the Maneuver Support Center. Position design has focused on minimizing logistical burdens while optimizing protection levels. As the result of five years of design and field experimentation, these positions have been thoroughly evaluated with regard to ease of construction and validated against a variety of conventional and terrorist weapon threats.

With the exception of steel sheet piling, all materials required to construct these positions are available through the Defense Logistic Agency's (DLA) Defense Supply Center Philadelphia (DSCP) under separate National Stock Numbers (NSNs), which are listed in the attached construction guides. Additionally, three protective positions are available as pre-assembled packages under a single NSN, and are indicated below. For information regarding acquisition of these materials or pre-assembled packages through DSCP, contact the following:

Debbie Donnelly
ddonnelly@dscp.dla.mil
215-737-4089

John Martino
Paa9817@exmail.dscp.dla.mil
215-737-3928

The following is a listing of the attached files, and a brief description of the associated position.

1. Large Observation Post- 16'x20' checkpoint position
2. Small Observation Post- 12'x8' checkpoint position. Pre-assembled package NSN is 5680-01-501-1462.
3. Single-bay Aboveground Fighting Position- 14'x8' fighting position. Pre-assembled package NSN is 5680-01-501-1235.
4. Two-bay Aboveground Fighting Position- 14'x12' fighting position. Pre-assembled package NSN is 5680-01-501-13357.
5. Helicopter Revetment - Protective revetment for various Army aircraft.
6. Above Ground 20' ISO Bunker - Personnel bunker.
7. PLS Cargo Bunker - Protective position for PLS cargo racks.
8. HEMTT-LHS/PLS Bunker - Protective position for HEMTT-LHS and PLS vehicles.
9. Reinforced Belowground 40' ISO Bunker - Internally reinforced cut and cover bunker.
10. Concertainer Construction Techniques - Provides general guidance on the proper usage of Hesco Bastion material.

For information regarding weapons' effects data, contact the TeleEngineering Operations Center at the address given below.

For additional information regarding establishment of protective measures (layout, threat protection analysis, etc.), the following sources can be referenced. The AT planner software package, under development by ERDC, can be utilized to evaluate damage assessment and standoff requirements for specific structures and threats. The AT planner software can be obtained by a request through the TeleEngineering Operations Center (TEOC) at the address

given below. The Joint AntiTerrorism/Force Protection (JAT/FP) web portal is a tool, currently in draft form, which can be utilized to access and implement the DoD anti-terrorism standards in conjunction with the Military Decision Making Process (MDMP). The JAT/FP portal can be accessed at <https://134.164.168.203> (user name - JatUser, password - UserJat, these are case sensitive).

The TeleEngineering Operations Center (TEOC) provides reach-back capabilities for forward access to DoD subject matter experts and capabilities. The TEOC can be reached at teoc@usace.army.mil (unclassified). Upon contact, TEOC can provide secure communication capabilities to transmit classified information.