



STANDARDIZED UXO DEMONSTRATION SITES

US ARMY ABERDEEN TEST CENTER UXO STAND



The test stand located at
Aberdeen Proving Ground, Maryland.

The Unexploded Ordnance (UXO) Test Stand is used to conduct accurate open-air evaluation of sensor systems used for UXO detection applications. The test stand and auxiliary equipment provide the capability to collect high fidelity, precise signal response data for use in UXO discrimination and detection evaluation and verification.

The test stand is located in a clean area at the Aberdeen Test Center (ATC) in Aberdeen Proving Ground (APG), Md. The stand provides the user the opportunity to enhance development and evaluation of new sensor systems and new discrimination algorithms. It is used to collect data on items in open air at multiple angles and depths. The major benefit to the test stand is that it produces a data set with greater accuracy and position repeatability when compared to field and laboratory environments. This is a result of minimal interference and impact with the local environment.

SPECIFICATIONS

The test stand allows the testing of common sensor modalities such as magnetics, electromagnetics, and radar. It is constructed from fiberglass, a non-conducting and non-magnetic material. The stairs leading to the main platform are four feet wide and constructed from wood. The test stand is approximately three meters (ten feet) high and three meters wide. Manually operated and adjustable carriages are located underneath the main platform of the test stand. These carriages allow the user to take different measurements at different depths for ordnance ranging from 20 mm to 155 mm. One carriage holds small ordnance while the other is used for large ordnance over 40 mm. Additional information can be obtained at the Standardized UXO Technology Demonstration Sites Program's Web page located at www.uxotestsites.org.



For more information

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