

ATEC



U.S. Army Aberdeen Test Center



The UNDEX Test Facility (UTF) gives ATC the leading edge in capability and expertise to conduct a wide range of DoD, academia and private industry shock test programs as well as other R&D and T&E efforts without impact on the environment.

**Underwater Explosion
(UNDEX) Test Facility (UTF)**

Underwater Explosion (UNDEX) Test Facility (UTF)



Key Facts:

- Elliptical shape of 1070-ft long by 920-ft wide, max depth of 150-ft
- Flat, 300-ft diameter, bottom surface
- Side slopes of 2.0:1 to 2.5:1
- Pond perimeter lined with stone to prevent erosion from wave action
- Maximum charge weight of 4100-lb TNT equivalent
- Marine rail launch and recovery system (700-ft long, up to 2200-tons load)
- Capstan/bollard system around the pond perimeter
- Concrete working platform with electrical service and welding pits
- Barge wet slip for delivery of test items directly from the Chesapeake Bay
- Hydraulic bogie and gripper jack system for transporting test models from the barge to the launch cradle
- 250-ton cranes, 200-ton heavy transport trailer, barges, support boats, forklifts, and man lifts
- Extensive dive services, including 150-ft deep dive

The UTF is equipped to conduct MIL-Spec 901D testing of vessels, submarine systems and subsystems as well as munitions.

The UTF is capable of air blasts and air-to-ground, air-to-water, ground-to-ground and water-to-ground firings. It can be used to test amphibious vehicles, missiles, underwater acoustics, underwater gun firing, ROVs, torpedoes and warheads.

The UTF is available for Joint Test & Training exercises for the battlefield environment.

Aberdeen Proving Ground (APG) is located in Maryland, 36 miles north of Baltimore, 75 miles north of Washington, D.C., and 75 miles south of Philadelphia

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