Surface Vessel Torpedo Tube Mk 32 Minimum Facility Requirements:

Production:

Facility Must be large enough to accommodate overhaul of six (6) SVTT Mk 32 units with an approximate footprint of 12 ft long x 4 ft wide x 5 ft tall weighing approximately 2500 lbs. Various stages of overhaul consist of (1) teardown, (2) refurbishment, (3) reassembly, (4) quality assurance testing, and (5) packaging for shipment. The facility must be large enough to house an additional four (4) units in preparation of refurbishment. All equipment at various stages of overhaul must be stored indoors in a secured facility. Recommended minimum work area of 10,000 sq ft for launcher overhaul.

The facility must allow for ample space to overhaul subassemblies. Recommended minimum work area of 2,000 sq ft for subassembly overhaul.

The facility must include storage space for the housing of replacement material in preparation for the overhaul of a unit. Recommended minimum work area of 2,000 sq ft for material storage.

The facility must have a loading dock to allow for receipt of shipments. The facility must also have the capability of loading SVTT units onto flatbed trucks for transportation.

Non-refurbished launchers are normally mounted to standard pallets. Crated launchers are mounted to an extended pallet with a size of 4 ft wide by 12 ft long. A standard forklift may be used to load and unload both crated and non-crated launchers.

Exit Velocity Testing:

The test facility must be capable of repeatedly allowing a SVTT unit to fire a torpedo test shape. The facility must obtain the exit velocity of the test shape at the muzzle of the barrel. There must be minimal damage to the torpedo test shape after firing. The facility must minimize any hazards down range of the weapon. The torpedo test shape must be recoverable. Recommended test envelope of 40 ft x 150 ft. Exit Velocity requirements are defined in the Surface Vessel Torpedo Tube (SVTT) Quality Assurance and Test Inspection Procedures (QATIP) as well as the SVTT Mk 32 Mod 15 Overhaul Manual SW395-AV-MMI-010. The contractor will be required to develop a test plan in order to obtain the weapon velocity at the muzzle of the barrel.

The government will provide the torpedo test shape required for exit velocity testing.