

## ***PLATFORM SUPPORT EQUIPMENT EVALUATION AND VERIFICATION***



The Platform Support Equipment Evaluation and Verification Branch conducts operational effectiveness, suitability, and supportability evaluations and verifications of fixed and rotary, common and peculiar aviation support equipment required for airframe/aircraft maintenance and servicing, aircraft and armament handling, and non-destructive test and inspection of aircraft components. The systems tested include mechanical, electrical, hydraulic, and pneumatic systems. The 4.8.12.2.0.0.A Branch personnel maintain constant liaison with fleet users and utilize their exposure and knowledge of mission needs, operational environment, and the skills and resources of both operator and maintenance personnel in the fleet to influence airframe, weapon, and support equipment programs from their conception through production.

# Platform Support Equipment Evaluation and Verification Branch

## Facilities and Equipment:

The Support Equipment Mechanical Laboratory has all the facilities and equipment necessary to manufacture test equipment, conduct the testing required, and to prototype minor changes to non-avionic aviation support equipment of all sizes, from small hand held devices, to a flight deck fire fighting vehicle, to a 130,000 lb. flight deck crash crane.

The lab is a 2,560 sq. ft., heated, metal addition to the original building with a four bay shop equipped with a 20 ton drive-on lift, two 3 ton overhead lifts, a tool room, a small metal fabrication shop, a small paint booth, a battery charging booth, and all the necessary equipment and tools, installed and uninstalled.

An air compressor and electrical distribution system in Bldg 1807, a 100 sq. ft. building, serves the Support Equipment Mechanical Laboratory.

The Branch has: 2576 sq. ft. of storage space in Bldg. 1384; 2700 sq. ft. of outside storage, secured by a fence and adjacent to Bldg 1384, certified for storage of inert ordnance; 3,000 sq. ft. of administrative and engineering office space in Building 1405; and access to the

use of all the facilities, labs, equipment, aircraft. and personnel located at NAWCAD, Patuxent River, MD.

## Personnel Resources

The staff includes aerospace, mechanical, and electrical engineers, several of whom hold MS degrees.

The experience of the engineering staff in the field of test and evaluation varies from fresh out of college to 40 years.

The staff also includes technicians with many years of military and civilian experience in both the areas of aircraft maintenance and test and evaluation.

Additionally, the Branch utilizes an Engineering and Technical Services Contract which

provides additional excellent short/long term services, as required.

The Branch has readily available logistician and military personnel, from other branches located at Patuxent River, to work on any evaluation or verification project, as required. Other services are also readily available at Patuxent River.

*For more information contact the 4.8.12.2 Branch Head at (301) 342-4147 or FAX (301) 862-6462.*

