



Abrams System Software Integration Laboratory

The Abrams System Software Integration Lab provides the M1A1 Abrams software development, integration, and testing environment for the Life Cycle Software Engineering Center located at Picatinny Arsenal. This laboratory consists of hardware, software and test equipment required to develop, debug, and test the M1A1 Abrams Tank Ballistic Computer System Software.

The Tektronix Software Development System can be used to build and debug code for the Texas Instruments SBP 9989 microprocessor that resides in the Computer Electronics Unit. Alternatively, software tools created in-house to build the software can be used.

The Computer Electronics Unit (CEU) Test Unit 1-1 supports bench testing of the ballistics and Computer Control Panel display functions for the M1A1 Abrams Computer Electronic Unit, as well as integration of the CEU with new hardware with which it interfaces.

Efforts are planned to develop new tools and equipment to continue supporting M1A1 Abrams software into the second decade of the century.

Point of Contact

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