



DEVCOM
ARMAMENTS
CENTER

FIRE CONTROL INTEGRATION LABORATORY (FCIL)

LABORATORY INFORMATION FACT SHEET

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The DEVCOM AC B18 Fire Control Integration Laboratory (FCIL) is capable of accommodating a broad array of combat vehicle hardware for integration, test and analysis, research and development of various mechanical and electrical on-board components and subsystems.

TECHNOLOGY/FACILITY DESCRIPTION:

The FCIL is a two bay high ceiling facility with double overhead doors and is capable of housing up to ten combat vehicles at a time. Typically, hardware and software undergoing integration, debugging

and testing are intended as a performance upgrade for a specific system through follow-on retrofitting. The FCIL contains a full complement of electronic instrumentation for system monitoring and data acquisition during testing, common shop tools, an overhead 10 Ton crane for component removal and replacement, power supplies with NATO connectors capable of fully powering up any combat vehicle and is heated for year-round/all seasonal work. The FCIL is approximately 10,800 sq. ft. Vehicles currently occupying the facility are the Abrams M1A1/M1A1SA/M1A2 Main Battle Tanks and the M109A6 Paladin self-propelled Howitzer (SPH), M109A7 SPH and M992A3 CAT which are primarily used to provide field support in the form of technical problem investigation and resolution.



EQUIPMENT AND EXPERTISE AVAILABLE:

- Army M1A1 Abrams Fire Control System (FCS)
- Laboratory Tables
- External Auxiliary Power Units with NATO Connectors
- Mobile Crane
- Laboratory Equipment for UUT Monitoring
- Common Laboratory Equipment
- Common Shop Tools
- Computer Network
- All Weather Test Facility+G9
- FCS Diagnostics
- H9FCS and Other Turret Item Prototype
- Hardware/Software (H/W) Testability
- UUT Monitoring