



# SPIDER SOFTWARE ENGINEERING SUPPORT LABORATORY

## LABORATORY INFORMATION FACT SHEET

### CONTACT US:

Technology Transfer Office

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*The Spider Software Engineering Support Laboratory (SESL) provides Program Manager Close Combat Systems (PM CCS) together with the Armament Software Engineering Center (Armament SEC), the capability to organically support the system software for the M7 Spider Networked Munition System (NMS).*

### TECHNOLOGY/FACILITY DESCRIPTION:

The Spider SESL supports various lifecycle acquisition tests, including Army Interoperable Certification (AIC) risk reducing testing activities,

Department of Defense Information Assurance Certification and Accreditation Process (DIACAP) Certification and Accreditation (C&A) and Operational Test (OT) troubleshooting. The lab also acts as a platform to do various Remote Control Unit (RCU) code inspections, troubleshooting, testing prototype devices and concepts and code work specifically with the Spider interoperability interface as well as supporting future Spider control station update efforts.

The Spider SESL's main function is to support Spider during the Post Production Software Support (PPSS) phase of the lifecycle by providing organic capability to conduct software maintenance, maintain interoperability and maintain the software knowledge base.



### EQUIPMENT AND EXPERTISE AVAILABLE:

- PC workstations
- Ruggedized laptops
- PC laptops
- Run compilers
- Interoperability emulators
- Spider component emulators and/or control station prototypes
- Spider tactical equipment configured with various SW baselines
- Test/diagnose issues that result during development, training and fielding
- Tactical configurations of systems that Spider interoperates with in order to verify Spider's interoperability requirements
- Indoor GPS capability and the equipment necessary to run over-the-air tests through hardwire cables in order to isolate components and prevent radio frequency interference/saturation