NETWORKED MUNITIONS SOFTWARE ENGINEERING FACILITY

LABORATORY INFORMATION FACT SHEET

The Networked Munitions Software Engineering Facility supports Program Manager (PM) Close Combat Systems (CCS) and Combat Capabilities Development Command Armaments Center (DEVCOM AC) in both software development and software sustainment for networked munitions technology.

TECHNOLOGY/FACILITY DESCRIPTION:

The current facility supports the Spider 1 and Spider 1A programs under the Spider Software Engineering Support Laboratory (SESL). The facility also houses the Scorpion system, the Autonomous Mine Detection System (AMDS) developmental software engineering environment and will support the future Family of Scatterable Minefield (FASCAM) replacement programs including the Gator Landmine Replacement (GLMR) system.

The facility supports all phases of lifecycle development, specifically providing software acquisition support during development, Post Deployment Software Support (PDSS) during production and Post Production Software Support (PPSS) during sustainment. The facility currently supports various acquisition efforts and tests, including Army Interoperable Certification (AIC) risk reduction efforts, Risk Management Framework (RMF) Certification and Accreditation (C&A) activities, Operational Test (OT) support and troubleshooting, New Equipment Training (NET) events, Network Integration Events (NIE) and Spider 1A contractor/government software development and testing. The facility also provides capability to perform various code inspections/peer reviews, diagnostics and troubleshooting analysis, building and testing prototype devices and concepts and software development activities.

As Network Munitions evolve and new programs/capabilities are added, the Network Munitions Software Engineering Facilities will continue to provide PM CCS and DEVCOM AC with software acquisition, software engineering and software maintenance support throughout the acquisition lifecycle.

EQUIPMENT AND EXPERTISE AVAILABLE:

- Facility footprint allows for multiple configurations of Tactical assets/equipment
- Multiple PC and Laptop work stations with ability to image hard drives for various configuration baselines (both weapon system and development environments including compilers, emulators, source code, support documentation)

- Various builds of Force XXI Battle Command Brigade and Below (FBCB2)/Joint Capabilities Release (JCR)/Joint Battle Command Platform (JBCP) including a fielded tactical station
- Specialized diagnostic equipment
- Specialized XCVR diagnostic equipment
- Hard drive cloner (1 to 10)
- Computers

- Laptops
- Toughbooks
- Defense Advanced GPS Receivers (DAGRs)
- GPS Repeater
- Network Munitions
- Software Acquisition
- Software Engineering
- Software Maintenance