Northrop Grumman’s Software Modernization Toolkit (MTK) is a set of tools that can improve code security and quality, generate regression and unit tests, and jump start the migration of applications built on older web application frameworks to modern cloud-ready frameworks. Each tool utilizes expert systems and other Artificial Intelligence techniques. These unique capabilities and tools are aimed at improving modernization and sustainment solutions and reducing the thousands of labor-hrs required to address these critical challenges.

**codeSECURE™**  Automates the repair of security vulnerabilities reported by Fortify. It reduces labor hours by an average of 30 minutes per vulnerability repair.

**codeREPAIR™**  Automates the repair of quality issues reported by SonarQube. It reduces labor hours by 30%.

**codeMODERN™**  Automatically converts 40% of the transformation from outdated web applications to modern frameworks. It reduces labor hours by 40 minutes per Java Spring Bean generated.

**codeASSESS™**  Automatically detects technologies and frameworks within applications.

**codeTEST™**  Automatically produces Selenium-based regression test scripts.

**codeUNIT™**  Automatically produces JUnit tests from application source code.

For more information contact:
Northrop Grumman Corporation
Defense Systems
System Modernization and Services
7575 Colshire Drive.
McLean, VA 22102