FCS Update & Testing

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Army Leadership’s View

“Future Combat Systems is the core of our modernization effort and will provide our Soldiers an unparalleled understanding of their operational environment, increased precision and lethality, and enhanced survivability.”

“We believe it’s affordable and we believe it’s an investment that we have to make.”

“We’re listening to our soldiers and commanders in the field, and we are giving them the capabilities they need – as fast as we can so that they can win in the current fight.”

“Future Combat Systems is exactly the full-spectrum system that we need for our future.”

"Modernization is not an option.“

"FCS is more than a program, it is an Army imperative."

FCS – Army’s #1 Modernization Priority
Delivering a Versatile 21st Century Army
Recent Program Accomplishments

- Completed Non-Line-of-Sight Cannon P1 Prototype delivery and testing to support NLOS-C Milestone C

- Completed Spin Out 1 Tactical Field Test, Field Demonstration, Test and Evaluation, and Preliminary Limited User Test

- Completed all System and Platform Preliminary Design Reviews, including Class I and IV UAVs, MULE UGV, Manned Ground Vehicles and Network

- Completed Integrated Mission Test One

- System of Systems Common Operating Environment 2.0 Deliveries/Testing

- First successful Active Protection System (APS) End to End Test

- Airborne Standoff Minefield Detection System Captive Flight Test
The mission of the CTO is to ensure the planning and execution of the Future Combat System (FCS) Test and Evaluation Program at minimum cost and duplication of effort to meet developmental and operational testing requirements.
Plan Together, Test Once, Share the Data

- Equal Partnership between PMO, LSI and ATEC
- Synchronizing Developmental and Operational test planning
- Sharing test resources and support
- Collecting, sharing and assessing test data jointly
- Minimizing duplication of test support and time required to execute combined testing
- Preserving OT independence
- Reduce Program Risks wherever possible
CTO Details of Operation

- Manage all FCS T&E funding – except LSI allocated
- Manage all FCS Component, System Level, and System of System Level developmental and integration testing
- Approve all test plans for Gov and LSI testing
- Integrate, coordinate, and plan Combined Developmental and Operational Testing in accordance with the FCS TEMP
- Support Live Fire and Operational Testing
New way of doing business…
brings FCS to life…..

Developing New Doctrine and Tactics, Techniques & Procedures (TTPs)

Executing Network Enabled Operations

Real Soldiers and Leaders…

Operating in live and virtual events…

To deliver real answers

Conducting Integrated Training

Evaluating Material

….. Integrating capabilities for the current and future modular force!!
Army Evaluation Task Force (AETF) In Action
AETF P-LUT

SUGV on Point

UAS Image FBCB2

Emplacing U-UGS

CL1 UAV in Overwatch

Emplacing T-UGS

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JEFX 08—Mission Accomplished
Integrated Mission Test – 1 (IMT1)

✓ Mission Test with Soldiers
  – 45 Soldiers used a prototype Warfighter Machine Interface (WMI) and Battle Command System in a virtual-constructive relevant environment
  – Soldier feedback on WMI design and cognitive assessment of the WMI
  – First full scale system of systems (SoS) integration

✓ System of System Common Operating Environment (SOSCOE) Scalability and Discovery Test
  – Large scale (100 platform) network emulation at the service layer
  – Identified areas to reduce network load and improve robustness

✓ Common Operating Picture (COP) Dissemination Test
  – First large scale (100 platform) COP emulation at the application layer
  – Confirmed value of geographical dissemination on local COPs and identified areas for improvement

✓ SoS Simulation Framework Maturation Test
  – Confirmed maturation of simulations and tools to support future SoS testing.
FCS Production Activities
Summary

- Program executing to achieve successful ‘09 DAB
- Platform and Network PDRs complete; supporting successful Systems of Systems Preliminary Design Review
- FCS providing capabilities to current force
  - IBCT TFT/FDT&E/LUT
- Supporting testing and technologies on track
- FCS Program is healthy and meeting commitments

Delivering a Versatile 21st Century Army

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