



ARMY T&E: PROVIDING ESSENTIAL INFORMATION TO AN ARMY AT WAR



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ARMY TEST AND EVALUATION COMMAND



ATEC Mission



- **Plan, conduct, and report the results of tests, simulations, experiments, and evaluations to Acquisition decision makers** in order to ensure our Army's Warfighters have the right capabilities for success across the entire spectrum of operations.
- **Conduct rapid testing in direct support of the GWOT warfighter** in order to provide capabilities and limitations of untested weapon systems issued directly to Soldiers conducting combat operations (Iraq/Afghanistan).

"Does It Work...How Do I Know?"



Tenets of Testing

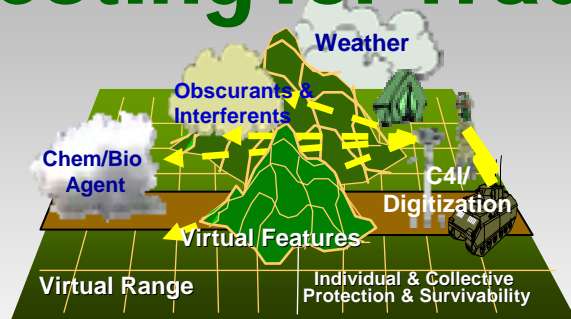


- **Standards are the same**
 - **GWOT**
 - **Normal Acquisition**
- **Test Strategy tailored to meet Acquisition Strategy**
- **Must answer 2 Questions**
 - **“Does it work...How do I know?”**

“Does It Work...How Do I Know?”



Testing for Traditional Acquisition



Modeling and Simulation



DT/OT

ONLY Service with Integrated DT/OT



Live Fire



INTEGRATED STRATEGY

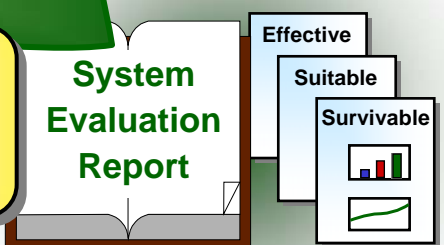


Developmental Test



Operational Test

Full Spectrum of Testing



"Does It Work...How Do I Know?"



Testing in Support of GWOT

- Streamlined
- T&E Concept
- Testing
- Reporting
- Test-Fix-Test

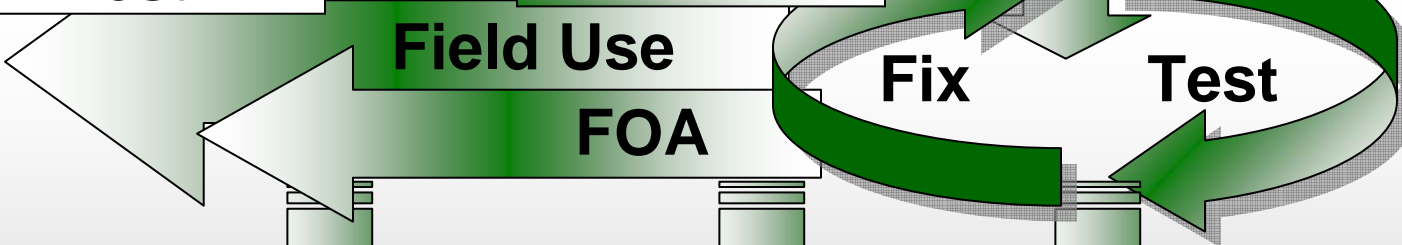
JIEDDO
PM
RDEC's
REF
Users in Theater

Request for T&E

Fixes in hours and days!

Safety Confirmation

T&E Concept



Update Report (CLR)

Update Report (CLR)

Capabilities & Limitations Report (CLR)

"Does It Work...How Do I Know?"



Tailored Testing Examples



**GWOT DT/OT
Less Than
90 Days**

Scan Eagle



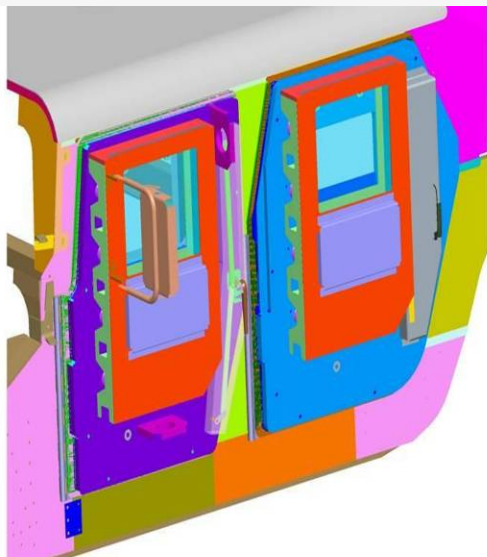
DT/OT - 44 Days

**Packbot
Scout**



C&L Report - 12 Days

**GWOT C&L
Less Than
14 Days**



**Armor Coupon Shots –
48-hr Response
to Theater**

RG-31



DT/OT - 58 Days

MastCam



C&L Report - 6 Days

"Does It Work...How Do I Know?"



Tailored Testing

Managing Risk

- Tailor each weapon system T&E concept
- Full Spectrum vs. OIF/OEF
- Environmental
- Durability: Combat Opns today vs. Full Life Cycle Reliability

TEST SCOPE

Rapid Acquisition Testing Gaps

- Interoperability
- TTP/CONOPS
- Training (Leader, Individual, Collective, Sustainment)
- Logistics Concept
- Not all systems fit the Rapid Testing “Model”

“Does It Work...How Do I Know?”



ATEC Forward



MISSION:

- Provide Essential Info to Sr. Army Leadership
- Test & Collect data on selected Warfighting systems
- Multi-Unit Liaison with MNC-I, CFLCC, CJTF-76, and CENTCOM HQs
- Obtain direct feedback from Soldiers

C2 Node



Team Afghanistan



Log Support

"Does It Work...How Do I Know?"



Summary



- **ATEC Fully Engaged in GWOT**
- **Not all systems fit the Rapid Testing “Model”**
- **Right Size the Test**
- **Mitigate the Risk**
- **Follow the System thru GWOT & Beyond**
- **“Does It Work...How Do I Know?”**

“Does It Work...How Do I Know?”