Technology Sharing in the New World: The Integration of Army Test and Training Requirements with Civilian Law Enforcement

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Agenda

• Forecasting the Army Future
• Engaging Army Requirements
• Correlating Law Enforcement Needs
• Observations and Obstacles
• The Future
• Summary
1. Forecasting the Army Future
ATTIC Tracks the Army Future

Schedules
Plans
New Technologies
Future Projections
ATTIC Connects
Today’s Testers and Trainers
to the
Army of the Future
ATTIC Connects

Transforming Transformation: From Volumes To Mouse-Clicks

Test and Training Needs With
Future Requirements Insights
2. Engaging Army Requirements
ATTIC Findings

- ATTIC finds mutual Army test and training requirements
- In open forum with Industry, Academia, other Government, and other DoD
- And makes programmatic recommendations to the Army Leadership and the Army POM
Four Sample Findings

- Common Vehicle Interface
- Embedded Testing and Training
- Standard Army Time, Space, and Position Information (TSPI)
- Standard Army Dismounted Troop Instrumentation
Need for the Systems

FCS is a Distributed Weapons Platform

- Must revise our test, training, and combat systems to accommodate
- Integration of these instrumentation standards should speed testing, training, and fielding of the FCS
- Four initiatives - one goal: Mission Success in FCS Fielding!
Need for the TSPI System

Common Army TSPI:

- Currently 18 TSPI systems in use/development across Army testing and training
- Distributed weapons platform requires awareness of TSPI for multiple system elements
Common Vehicle Interface:

- Systems currently require multiple interfaces for testing and training (MAIS, MILES, TWGSS, PGSS, etc.)
- Standardized interface across the fleet enables plug and play testing, training, and diagnostics
Need for Embedded Testing and Training

- Embedded Testing and Training:
  - Permits deployed forces to maintain readiness
    - Immediate ability to train
    - Immediate access to vehicle diagnostics
  - Builds on Common Vehicle Interface protocols
Dismounted Troop Instrumentation:

- Ties troop data standards to vehicle data standards for testing and training purposes
- Combines Land Warrior, Air Warrior, Test and Training investment in Dismounted Troop instrumentation
  (One vest, one laser, one fuel source, one antenna, etc.)
- Army buys more for less

Need for Standard Army Dismounted Troop Instrumentation
3. Correlating Law Enforcement Needs
ATTIC Law Enforcement Methodology

- Progressive Expansions
- Initial Contact
- Signed letter of intent from Civilian Law Enforcement (CLE) Agency
- Weekly News Updates to Law Enforcement
- Notification of Conferences and Events
- Providing Resources to Identify and Unify CLE Requirements among CLE community
- Tie to Army Requirements Systems
ATTIC Providing

• Access to Web Utilities FREE OF CHARGE to Law Enforcement to share technologies
  – Web Site
  – Listserv
  – Requirements Collection/Sharing Tool Underway
4. Observations and Obstacles
Operational Theory

Army: “Win the Nation’s wars”

Law Enforcement: “Enforce the Nation’s Laws”

CONSTRAINTS ARE VERY DIFFERENT!
Training Theory

• Army: “Train as you fight”

• Law Enforcement: “You won’t die today”

Kill/Fight Methodologies Critical to Training
Structural

- **Army:**
  - National/International Organization
  - One Command Structure
  - Large Budget
  - Coordinated Mission and Directives

- **Law Enforcement:**
  - THOUSANDS of Disparate Organizations
  - VERY Limited Budgets
  - Uncoordinated, Regional Missions and Directives
Perceptions

- Army:
  - Law Enforcement aware of military technologies and approaches: FALSE!
  - Law Enforcement ready to integrate military technologies: LIMITED/FALSE!
  - Law Enforcement can afford to operate and maintain military technologies: LIMITED!
  - Law Enforcement can accept military technologies: LIMITED!
  - Army has better systems than law enforcement for use (pride of achievement): LIMITED/FALSE!
Perceptions

• Law Enforcement:
  – Awareness of Army systems generally focuses on Weapon Systems and Vehicles
  – Requirements unclear . . . CLE leverages off one another in mutual aid structure (Not having does not equate to needing)
  – Concept of R&D generally alien to CLE
  – NO CENTRALIZED ORGANIZATION TO CONGEAL REQUIREMENTS NOR INFORMATION
Real Life Examples
5. The Future
Future Directions

Must collect and accept requirements from all communities WITHOUT JUDGMENT
Must gain understandings and common language to work together
Must accept that one technology may have multiple and very distinctive uses
Future Directions

UNDERSTANDING IS THE KEY

Unexpected Common Technologies:
- High bandwidth radio based internet
- C4I Systems
- Non Lethal Weapon System Training
- NLOS Training?
- Shared Training Requirements
UNDERSTANDING

Who is the true leader in:

- Crowd Control?
- MOUT Operations?
- Less than lethal engagements?
- Providing humanitarian relief?

TRUTH: BOTH COMMUNITIES CAN LEARN FROM EACH OTHER!!!
6. Summary
Summary

• Military Technologies can benefit law enforcement
• Naivety is our enemy in working these processes
• Understanding is essential to working together
• Our missions are more different than most realize
• Our technologies are more similar than most realize
• Neither side is dominant, better, nor more capable than the other – all approaches must come from respect and equitability perspectives
• The benefits to the Military, Civilian Law Enforcement, and the Taxpayer are substantial
7. Contact Information
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