



LIVE TRAINING CAMPAIGN PLAN

COLs Reedy and Flanagan

6 December 2012 Update

Visit the Live Training
Community Portal at:
LT2Portal.org





PM TRADE

PM TRADE

PROJECT MANAGER TRAINING DEVICES



PM TRADE - I/ITSEC 2012 Schedule of Events

MONDAY, 3 DECEMBER

PM TRADE Grey Beard Session - COL Flanagan, *Invitation Only*

- 1200 - 1400
- W203A

PM TRADE TSIS Update - COL Flanagan

- 1300 - 1345
- PM TRADE Booth 171

Integration of Live Training Standards - Mark Dasher

- 1130 - 1300, Brown Bag Lunch
- W203A

Live Training Campaign Plan Brief - COL Flanagan

- 1300 - 1500
- W300

TUESDAY, 4 DECEMBER

Victory Architecture and Specification Briefing - Pat Sincebaugh

- 1000 - 1200
- W207C

Meeting with MAST Customers - Michael Plumtree, *Invitation Only*

- 1300 - 1400
- W204B

Meeting with Aviation FMS Customers - Edward Grekoski, *Invitation Only*

- 1300 - 1400
- W204B

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WEDNESDAY, 5 DECEMBER

Target Modernization - James Todd

- 0900 - 1100
- W203A

THURSDAY, 6 DECEMBER

Product Support Publication Requirements - Robin Alexander

- 1000 - 1100
- W204B

ATESS Industry Day - Kyle Platt

- 1200 - 1315, Brown Bag Lunch
- W203A



Presenters

COL Mike Flanagan
PM TRADE

LTC Chuck Worshim
PM CTIS

LTC Craig Ravenell
PM DT

LTC Scott Tufts
PM LTS

LTC Keith Smith
APM FMS

Mr. Jim Grosse
TRADE Architect

Mr. Brian Kemper
Chief Engineer, PM TRADE

Mr. Rob Wolf
Strategic Requirements Integrator,
PM TRADE

Mr. Jim Brewer
Chief, Requirements
& Integration Office



“The Army is facing a new era of warfare, and that requires a new approach to training.”

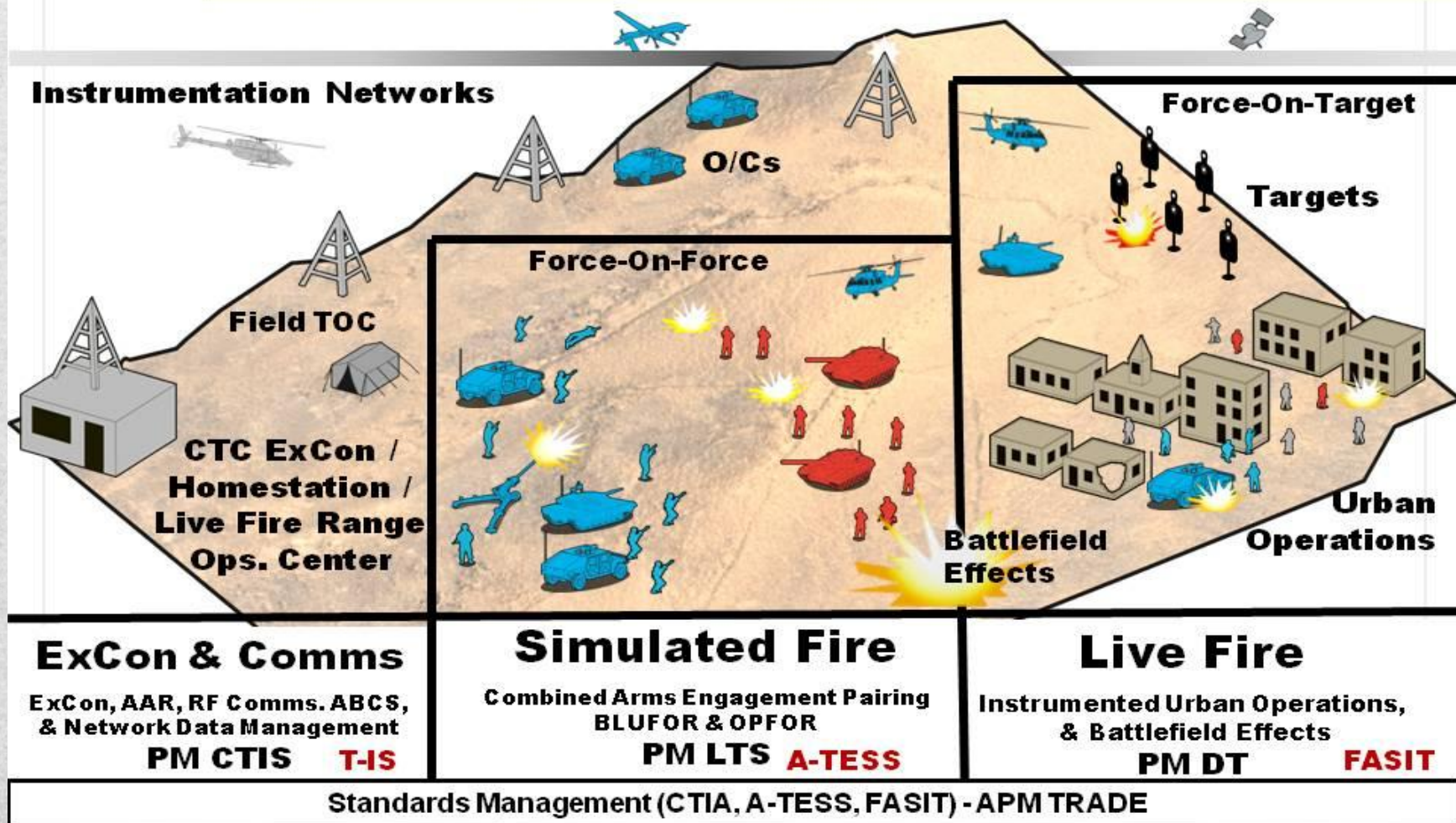
Gen. Robert Cone, CG, TRADOC, Army Times, 2 October 2011

“We must be prepared to operate across the full spectrum of conflict, whether it’s offense, defense, stability or civil support operations. Regardless of the mission, we at PEO STRI pledge to provide timely, realistic, readily available, cost efficient and safe training to U.S. and its allied nations’ Warfighters.”

Dr. James T. Blake, Program Executive Officer, PEO STRI



Live Training Lines of Operation





Significant Guidance from OSD/HQDA

On LT2
Portal

1. AAE: Guidance to PEOs on Common Operating Environment (Dec 11)
2. AAE: Process Management & Performance Improvement (Jan 12)
3. "Changing the Acquisition Paradigm" LTG Phillips, AL&T Magazine (Jan 12)
4. AAE: Tech Data Rights Strategy, Tech Dev Strategy/Acq Strategy (11 Jun 12)
5. CAC-T: FY13 Warfighter Outcomes for Training & Education (16 Jul 12)
6. TRADOC Policy Letter 21, Acquisition of TADSS & Gaming (14 Aug 12)
7. AAE 30-year plan on Army S&T Path Ahead to VCSA (3 Oct 12)
8. Army Training Strategy (15 Oct 12)
9. Better Buying Power 2.0: Continuing the Pursuit for Greater Efficiency and Productivity in Defense Spending (13 Nov 12)

Renewed Focus on Training & Agility in Acquisition



Army Force Generation - Update

- AC transition from 36-month to 24-month Readiness model
 - 12 Month BOG/12 month Dwell (AC)
 - Stress/competition for training resources
- Regional focused BCTs
- BCT organization changes from two to three-battalions
- 27 Regional Collective Training Capabilities (RCTC) locations
- Decisive Action Training Environment (DATE), Security Force Assistance Team (SFAT) , Mission Rehearsal Exercise Rotations at CTCs



Army Training Strategy (15 Oct 12)

Targeted investments in Home station training, combat training centers, and TSS capabilities.

- Move from adhoc Blended training to Integrated Training Environment (system of systems)
- On-Demand, distributed collective training network
- Develop TADSS that operate over OP networks, mirror complexity, allow Cdrs to execute Training strategies



GEN Odierno

TSS Objectives (4/9)

1. Deliver LVC-IA to selected home stations
2. Modernize CTC-IS at NTC (15), JRTC (17), and JMRC (19)
3. Program Army Training Summit III req'ts, reallocate TADSS to Regional Collective Training Capabilities (RCTC)
4. Modernize other components of CTC TADSS Pilar

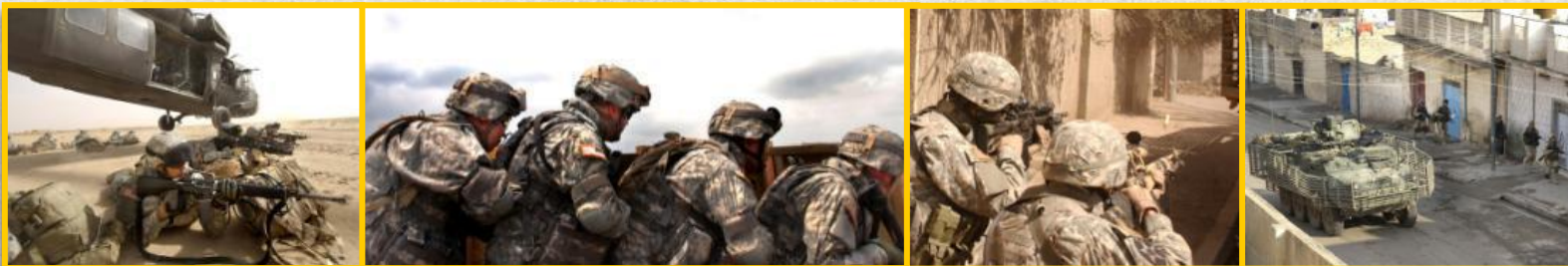
Training in a time of transition, uncertainty, complexity and austerity

Training Input from BG Mike Lundy, CAC-T

- *Collaboration between CAC & PEO STRI on technology initiatives and reducing barriers to training (i.e. Information Assurance)*
- *Breaking down stovepipes and enabling LVCG solutions across training domains (i.e. constructive wrap on ranges)*
- *Intuitive Weapon System designs – possible KPP to reduce associated training requirements*
- *Reduction of “guys in ties” running TADSS*
- *Comprehensive Aviation Training review*



BG Mike Lundy



Infantry operating dismounted (spiraling to other dismounted formations)



Better Buying Power 2.0

Achieve Affordable Programs

- Mandate affordability as a requirement
- Institute a system of investment planning to derive affordability caps
- Enforce affordability caps

Control Costs Throughout the Product Lifecycle

- Implement "should cost" based management
- Eliminate redundancy within warfighter portfolios
- Institute a system to measure the cost performance of programs and institutions and to assess the effectiveness of acquisition policies
- Build stronger partnerships with the requirements community to control costs
- Increase the incorporation of defense exportability features in initial designs

Incentivize Productivity & Innovation in Industry and Government

- Align profitability more tightly with Department goals
- Employ appropriate contract types
- Increase use of Fixed Price Incentive contracts in Low Rate Initial Production
- Better define value in "best value" competitions
- When LPTA is used, define Technically Acceptable to ensure needed quality
- Institute a superior supplier incentive program
- Increase effective use of Performance-Based Logistics
- Reduce backlog of DCAA Audits without compromising effectiveness
- Expand programs to leverage industry's IR&D

Eliminate Unproductive Processes and Bureaucracy

- Reduce frequency of OSD level reviews
- Re-emphasize AE, PEO and PM responsibility and accountability
- Eliminate requirements imposed on industry where costs outweigh benefits
- Reduce cycle times while ensuring sound investment decisions

Promote Effective Competition

- Emphasize competition strategies and creating and maintaining competitive environments
- Enforce open system architectures and effectively manage technical data rights
- Increase small business roles and opportunities
- Use the Technology Development phase for true risk reduction

Improve Tradecraft in Acquisition of Services

- Assign senior managers for acquisition of services
- Adopt uniform services market segmentation
- Improve requirements definition/prevent requirements creep
- Increase use of market research
- Increase small business participation
- Strengthen contract management outside the normal acquisition chain – installations, etc.
- Expand use of requirements review boards and tripwires

Improve the Professionalism of the Total Acquisition Workforce

- Establish higher standards for key leadership positions
- Establish stronger professional qualification requirements for all acquisition specialties
- Increase the recognition of excellence in acquisition management
- Continue to increase the cost consciousness of the acquisition workforce – change the culture

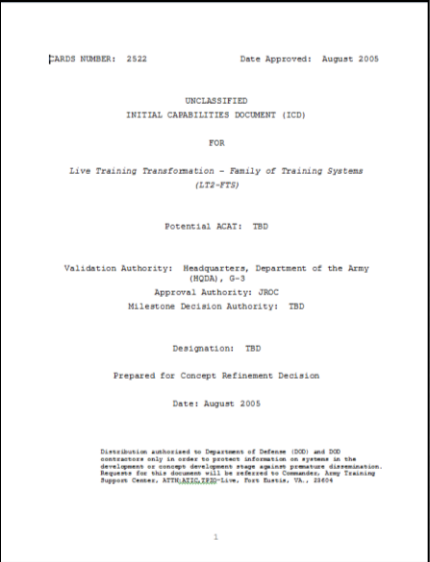


Mr. Kendal
Acting DAE



Ms. Shyu
Army Acquisition Exec

What's New about Live Training?



Recognized as the Army's Best Team in 2012 for Information Enabled Technology (~\$400M cost avoidance)

Supporting PM TRADE Goals

- ✓ Reduce Operational Cost & Complexity
- ✓ Align & Support Product Development (common standards, interfaces)
- ✓ Enhance Soldier Training
- ✓ Reduce Sustainment & Development Costs
- ✓ Increase Technology Agility
- ✓ Leverage Other Army Systems
- Align to Army COE, Mobile Computing and Cloud Strategies

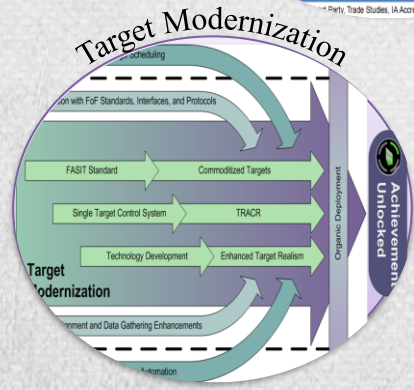
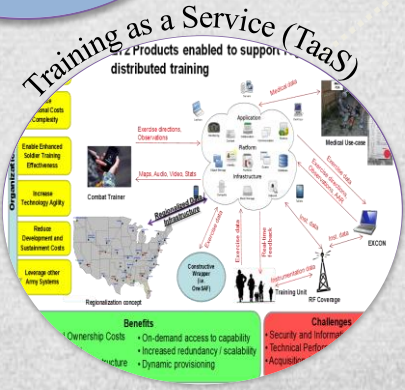
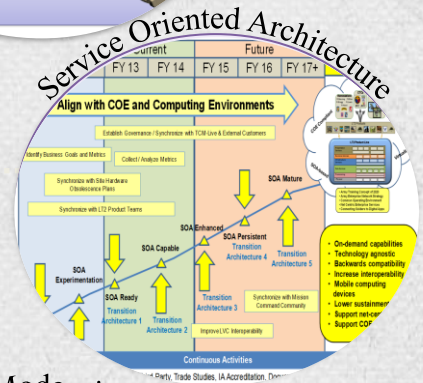
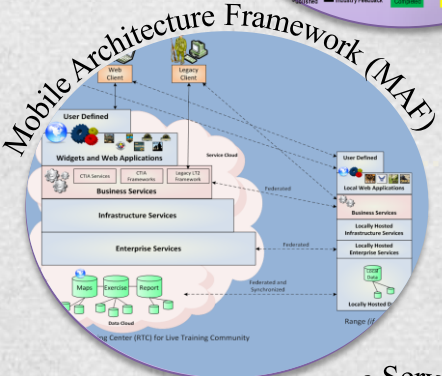
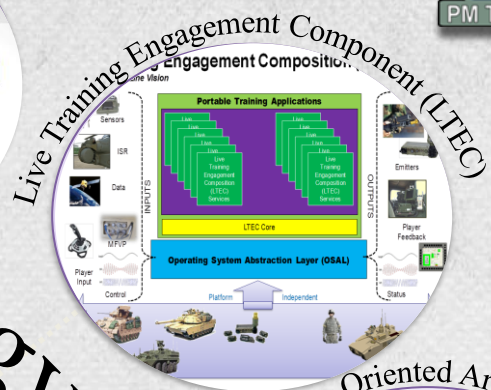
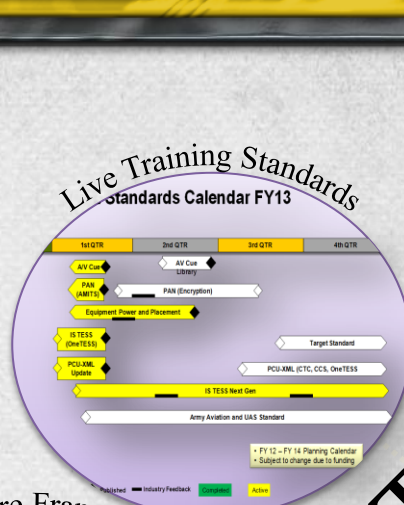


FY12 AMSO M&S Award - Cross Cutting Category "Embedded Training and Development of Common Test and Training Solutions"

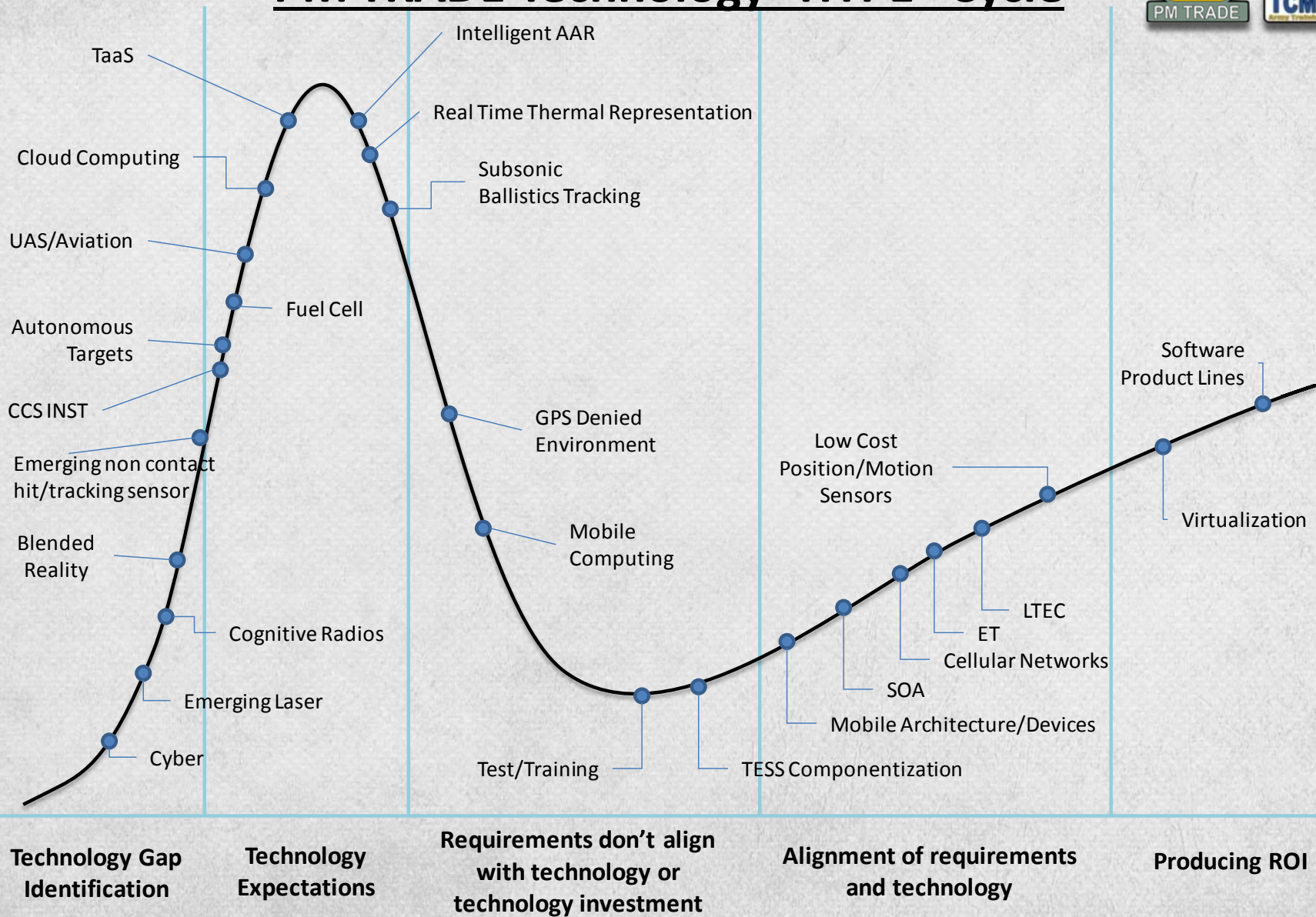
ICD "Live Training Transformation-Family of Training Systems" (August 2005)



✓ Directed in the LTS-FTS ICD



PM TRADE Technology "HYPE" CycleTM



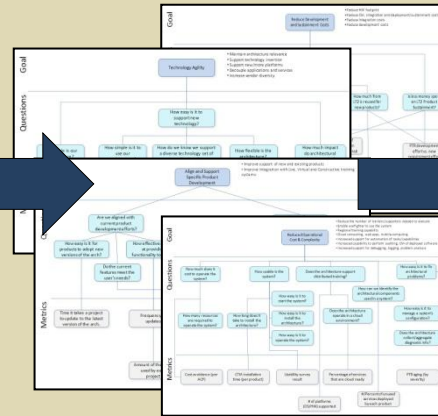


Product Line Update

PM TRADE Strategic Goals

- Reduce Operational Cost & Complexity
- Align & Support Product Development
- Enhance Soldier Training
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- Increase Technology Agility
- Leverage Other Army Systems
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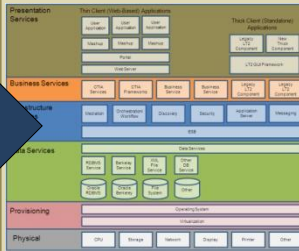
Goals/Questions/Metrics



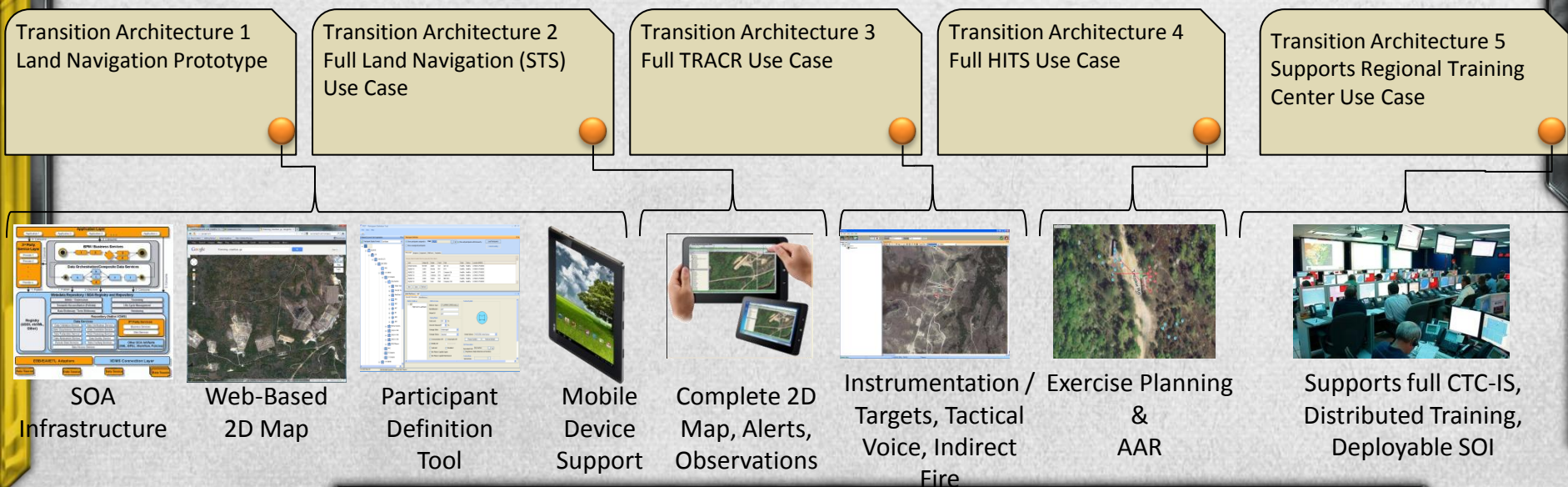
SOA Design Principles

- Standardized Service Contracts
- Service Loose Coupling
- Service Abstraction
- Service Reusability
- Service Autonomy
- Service Statelessness
- Service Discoverability
- Service Composability

Target Architecture



Transition Architectures Defined to Align with Capabilities Required by LT2 Products



Product Line Update



Completed		Current		Future		
FY 11	FY 12	FY 13	FY 14	FY 15	FY 16	FY 17+

Training as a Service (TaaS) Enabled

Align with COE and Computing Environments

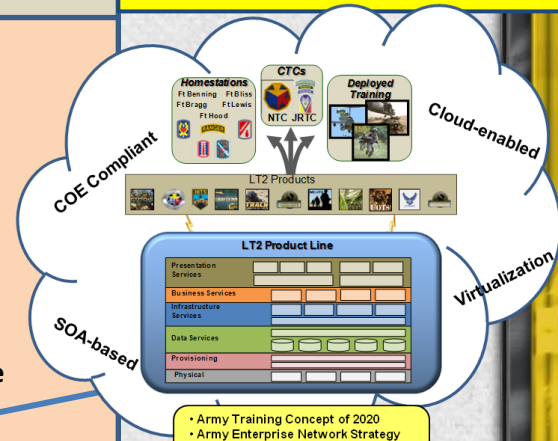
Establish Governance / Synchronize with TCM-Live & External Customers

Identify Business Goals and Metrics

Collect / Analyze Metrics

Synchronize with Site Hardware Obsolescence Plans

Synchronize with LT2 Product Teams



- Army Training Concept of 2020
- Army Enterprise Network Strategy
- Common Operating Environment
- Net Centric Enterprise Services
- Connecting Solders to Digital Apps

- On-demand capabilities
- Technology agnostic
- Backwards compatibility
- Increase interoperability
- Mobile computing devices
- Lower sustainment costs
- Support net-centricity
- Support COE objectives

SOA Analysis
Baseline

SOA Experimentation

SOA Ready
Transition Architecture 1

SOA Capable
Transition Architecture 2

SOA Enhanced
Transition Architecture 3

SOA Persistent
Transition Architecture 4

SOA Mature
Transition Architecture 5

Synchronize with Mission Command Community

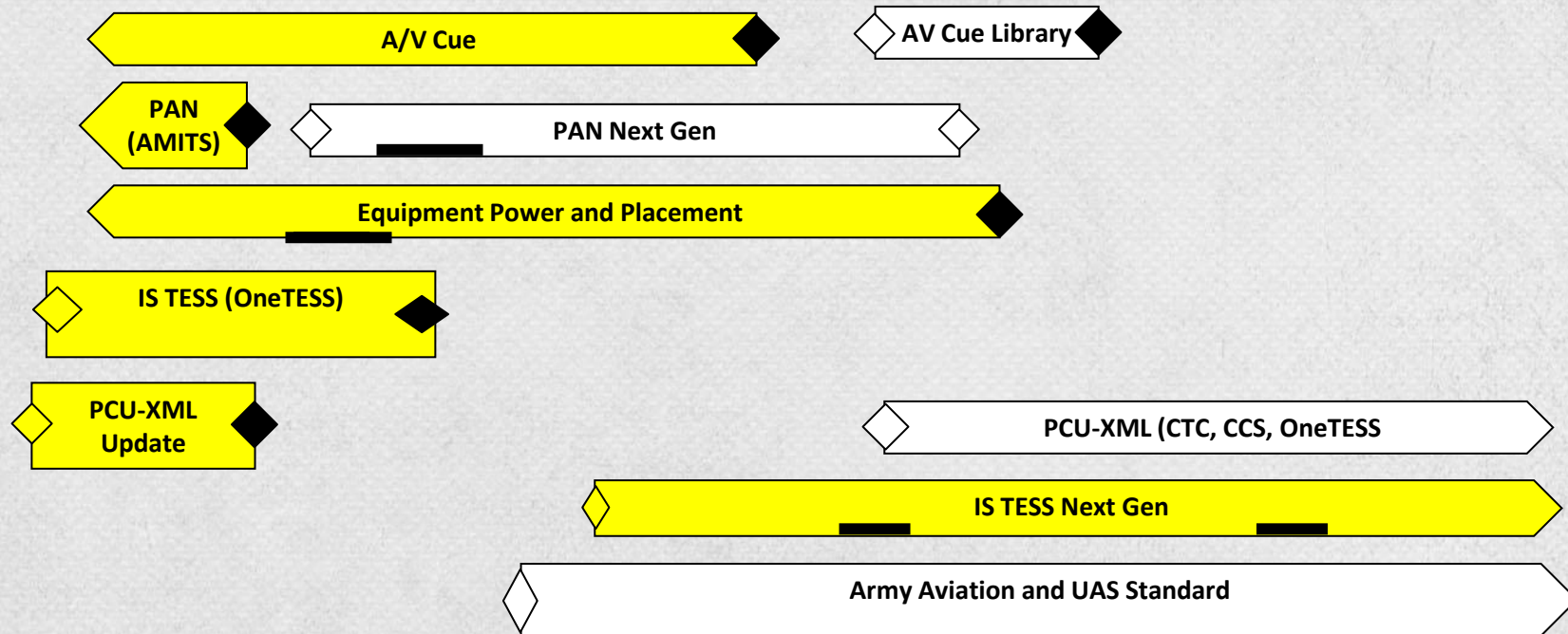
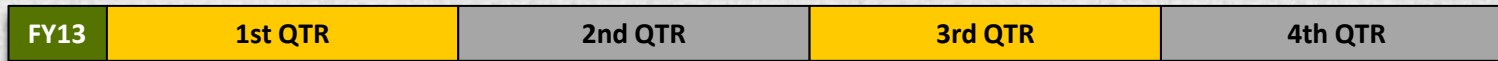
Improve LVC Interoperability

Continuous Activities

Testing, Open Source vs. Third Party, Trade Studies, IA Accreditation, Documentation, Training, Education

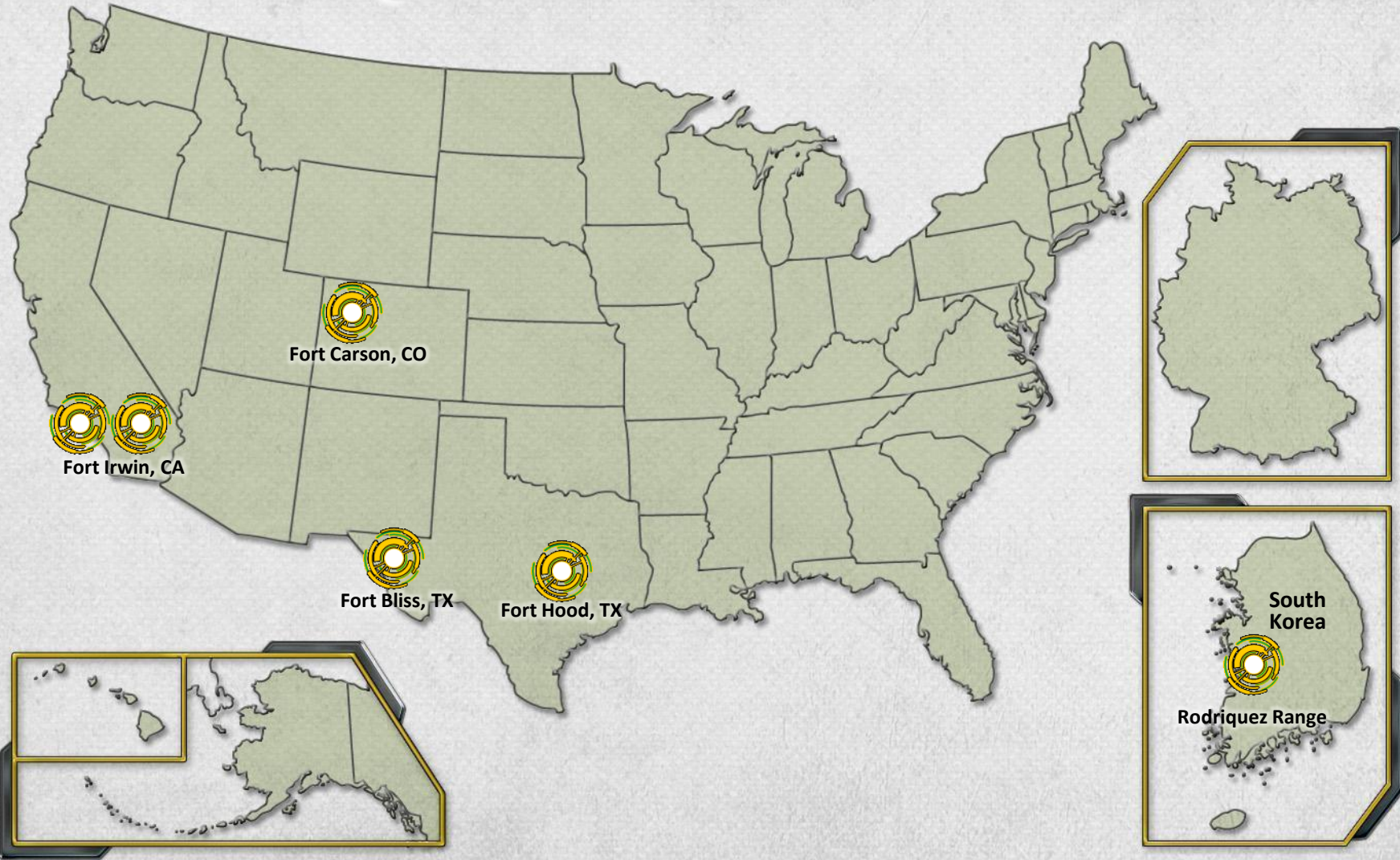


Standards/ICD Calendar





Live Training in 2012

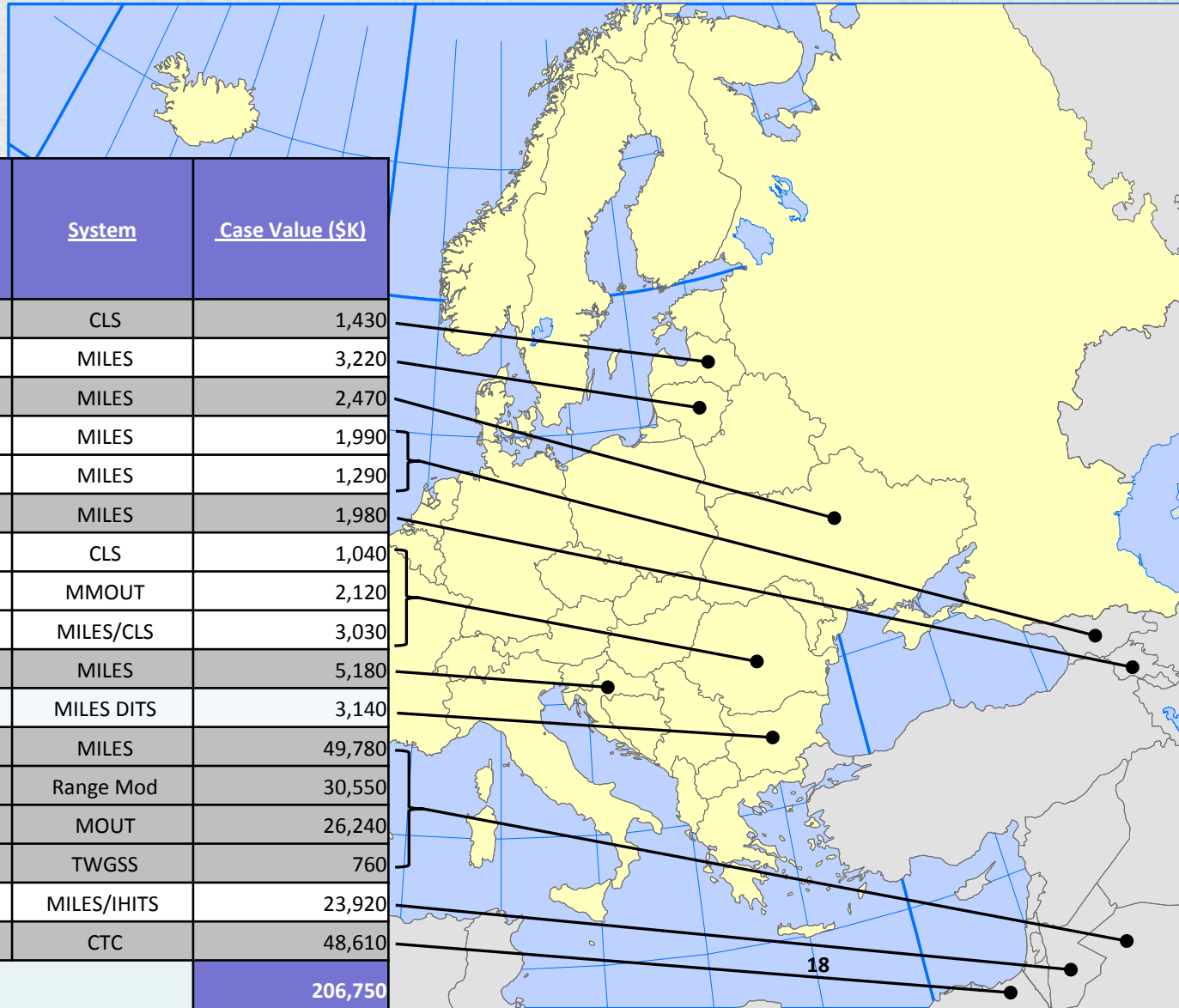


Click on location for more information



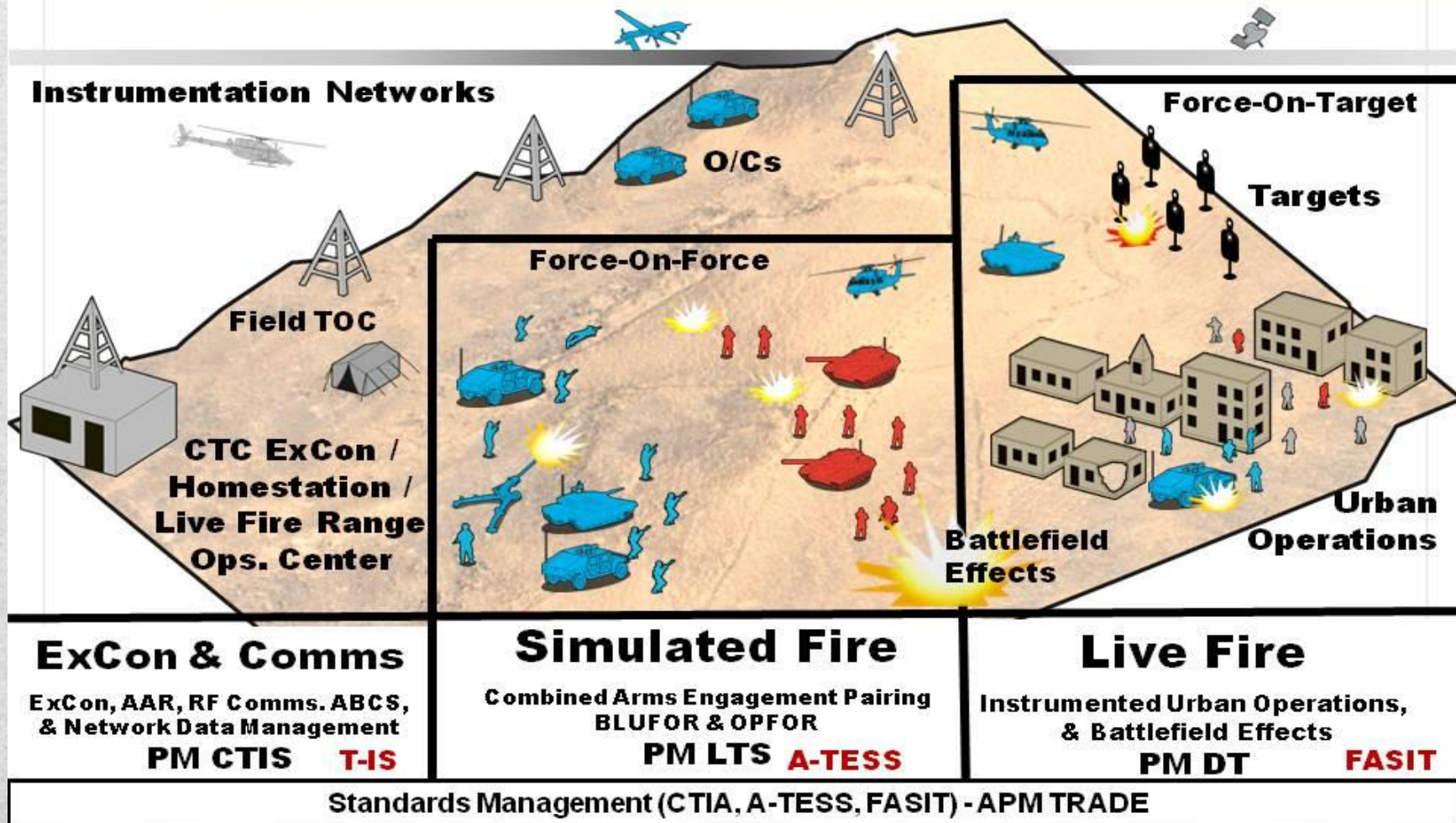
Foreign Military Sales

<u>Country</u>	<u>System</u>	<u>Case Value (\$K)</u>
Latvia	CLS	1,430
Lithuania	MILES	3,220
Ukraine	MILES	2,470
Georgia	MILES	1,990
Georgia T-72	MILES	1,290
Armenia	MILES	1,980
Romania	CLS	1,040
Romania	MMOUT	2,120
Romania	MILES/CLS	3,030
Croatia	MILES	5,180
Bulgaria	MILES DITS	3,140
Saudi Arabia	MILES	49,780
Saudi Arabia	Range Mod	30,550
Saudi Arabia	MOUT	26,240
Saudi Arabia	TWGSS	760
Jordan	MILES/IHITS	23,920
Egypt	CTC	48,610
		206,750

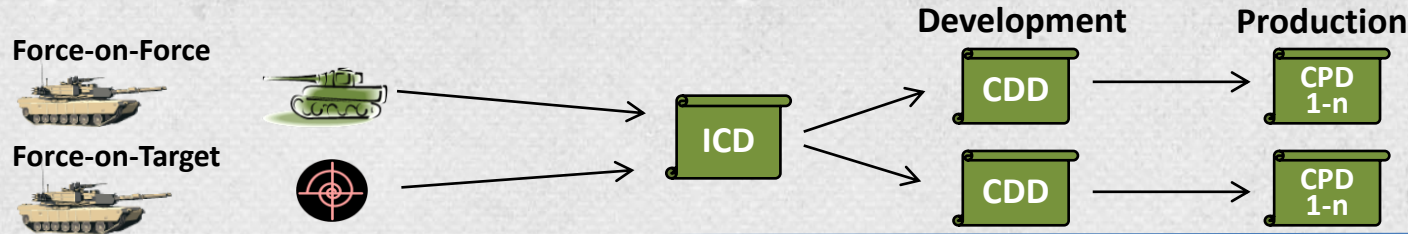




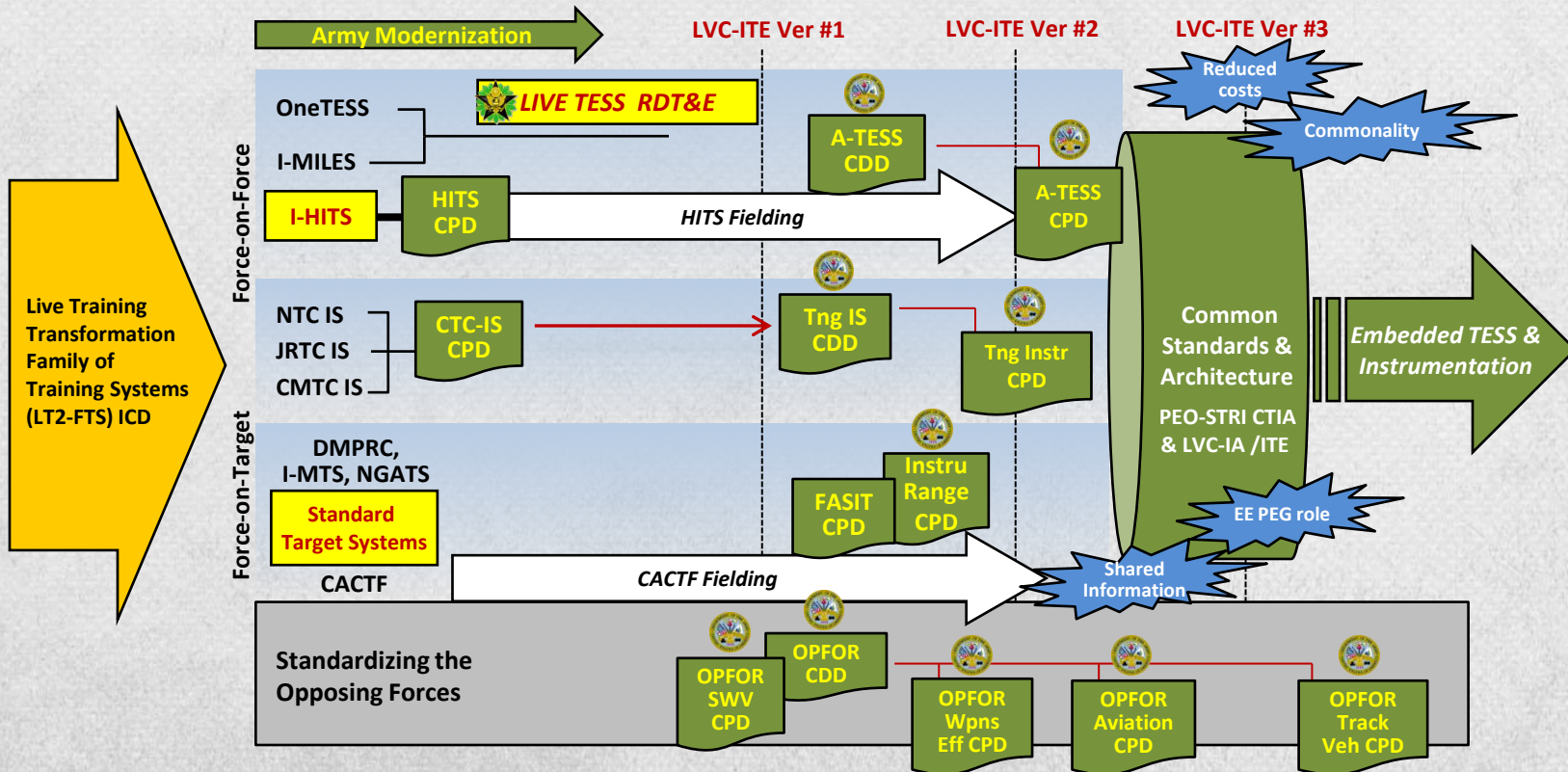
Live Training Lines of Operation



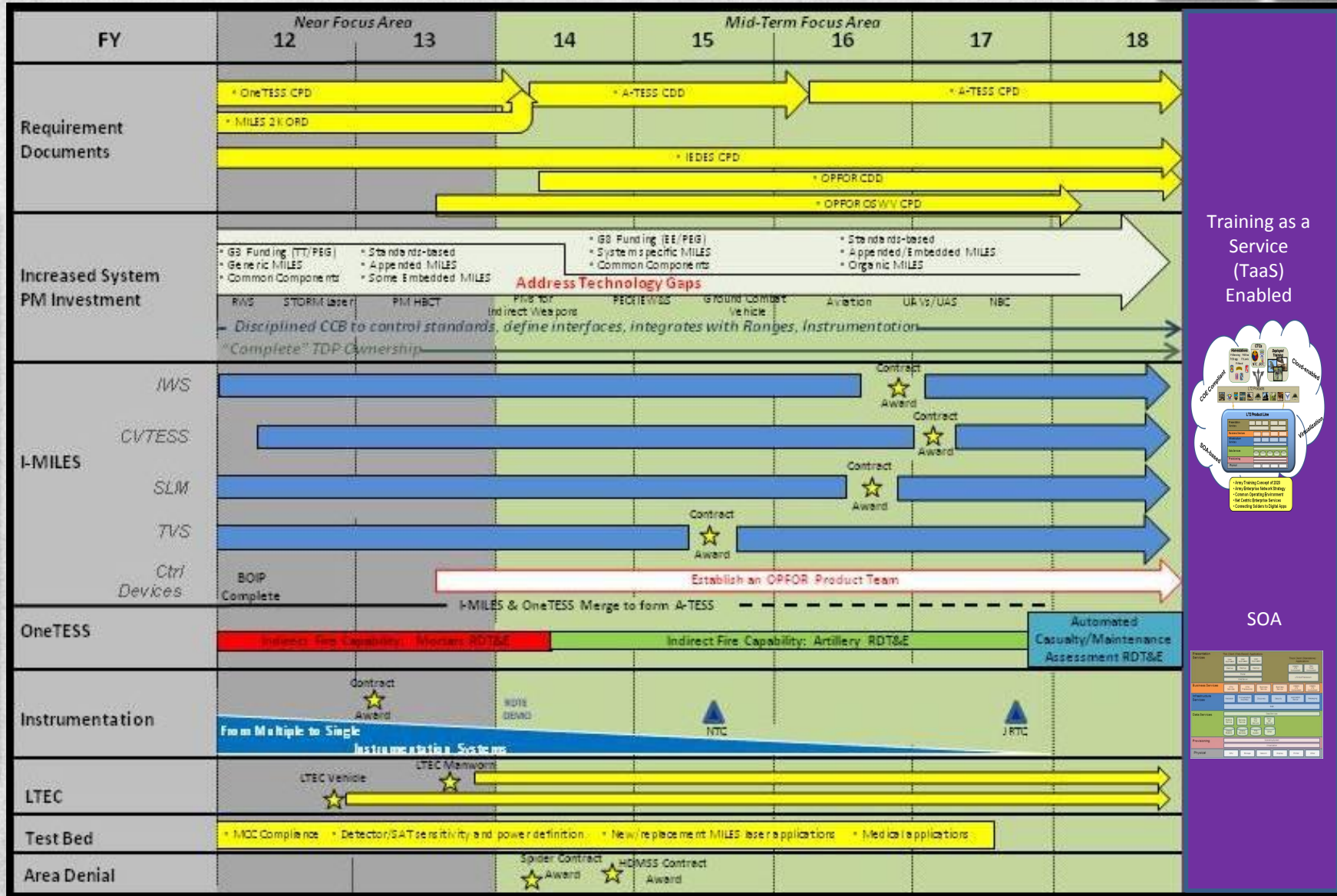
Requirements Roadmap



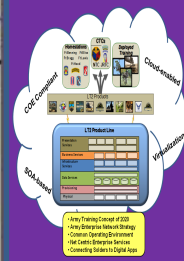
2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020



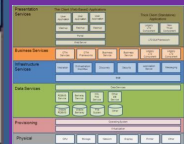
Force on Force LOE



Training as a Service (TaaS) Enabled



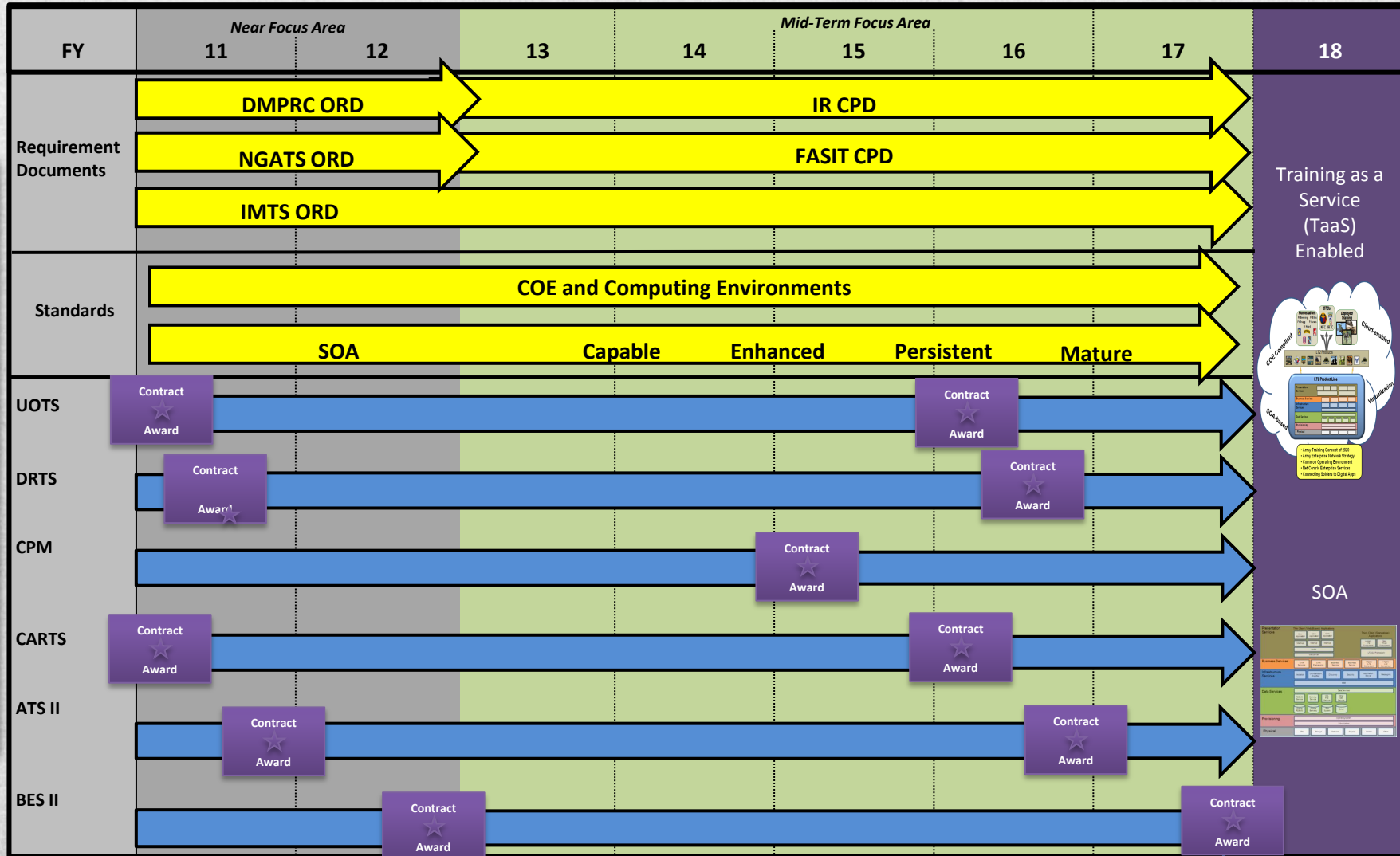
SOA





Force on Target LOE

Vision



Industry Engagement Opportunities



Industry

PM TRADE



Industry Workshops/Breakfasts

Feb 6, 0700 – Next Industry Breakfast at Oviedo IHOP – RSVP rob.wolf1@us.army.mil

Feb 6, PAN Standard Evolution - Orlando – PIII 321

Feb 7, Battery Standard Initiation – Orlando – PIII 321

Feb – Date TBD - ATESS Requirement Update, Orlando

Industry input throughout 2012 reflected in internal PM TRADE processes to improve our quality and consistency.

Implemented internal program planning gates across the PM/PdM and matrix offices.

- ✓ Initial Program Planning Round Table
- ✓ Technical Interface/ Interoperability Review
- ✓ Acquisition Strategy Planning Session
- ✓ RFI & Synopsys Review – Market Research
- ✓ Technical Peer Reviews
- ✓ Sources Sought & Industry Days
- ✓ Pink Team → Initiates PALT

LT2 Portal Update



LIVE TRAINING COMMUNITY



HOME WELCOME NEWS/EVENTS PRODUCTS STANDARDS REFERENCES DEVELOPERS PM TOOLS SUPPORT LOGOUT Kent Banks

WELCOME



COL Michael P. Flanagan
Project Manager, TRADE



COL Stanley "Gene" Reedy
Director, TCM-Live

Welcome to the Live Training Community portal, where we develop, support and communicate our Live Training initiatives for the Army. Our intent is to facilitate communication with developers, users, and our industry partners to support standards and common solutions for Live Training. Our goal is to reduce total ownership costs while improving quality, interoperability, and reusability across Live, Virtual, Constructive, and Joint training/test domains for our Soldiers, our joint Services partners, and the Nation.

WELCOME



NEWS/EVENTS



PRODUCTS



STANDARDS



REFERENCES



DEVELOPERS



PM TOOLS



SUPPORT



FEEDBACK

I/ITSEC 2012 Schedule



Contact Information

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***LIVE TRAINING - IT'S NO GAME
REAL SOLDIERS, REAL ACTION, REAL SWEAT***

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