

PROGRAM EXECUTIVE OFFICE SIMULATION, TRAINING AND INSTRUMENTATION



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Simulation, Training and Instrumentation

May 2019



Mission/Vision



MISSION

Develop, acquire, provide and sustain simulation, training, testing and modeling solutions to optimize Warfighter readiness



VISION

Provider of choice for simulation, training and testing solutions to optimize Soldier and unit readiness



PEO STRI Priorities Support Army Priorities



READINESS

Building readiness for high-intensity conflict against strategic competitors.

MODERNIZATION

Modernizing our doctrine, equipment and formations to conduct Multi-Domain Operations.

REFORM

Implementing aggressive reforms by 2020 to free up time, money, and manpower for our highest priorities and to empower subordinate commanders to make more timely and effective decisions.



PEO STRI Major Programs



SYNTHETIC TRAINING ENVIRONMENT (STE)



PERSISTENT CYBER TRAINING ENVIRONMENT



INTERNATIONAL PROGRAMS OFFICE



INSTRUMENTABLE MULTIPLE INTEGRATED LASER ENGAGEMENT SYSTEM (I-MILES)



MEDICAL MODELING AND SIMULATION



ARMY TRAINING AIDS, DEVICES, SIMULATORS AND SIMULATIONS (TADSS) MAINTENANCE PROGRAM



PEO STRI Five Priorities

SYNTHETIC ENVIRONMENT TRAINING

Provides a cognitive, collective, multi-echelon training and mission rehearsal capability for the operational, institutional and self-development training domains. It brings together the virtual, constructive and gaming training environments into a single Synthetic Training Environment.

COMBAT TRAINING CENTERS

Deliver capabilities to include Training Aids, Devices, Simulators and Simulations and Multiple Integrated Laser Engagement Systems to support the CTCs in ensuring Soldiers increase their lethality and learn the skills necessary to accomplish the Army Mission.

PERSISTENT CYBER TRAINING

Addresses an urgent need to provide a persistent and realistic training environment to Department of Defense Cyber Mission Forces.

STRENGTHEN ALLIANCES, ATTRACT NEW PARTNERS

Through our International Programs Office, strengthen and evolve our alliances and partnerships into an extended network capable of deterring and decisively acting to meet today's challenges.

MEDICAL MODELING AND SIMULATION

A centralized total lifecycle management approach for the materiel development and procurement of medical Training Aids, Devices, Simulators and Simulations across the Medical Health System.





Synthetic Training Environment

- A top modernization priority.
- Support Synthetic Training Environment Cross-Functional Team co-located in Orlando.
- Components include One World Terrain, Training Simulation Software, Training Management Tool, Reconfigurable Virtual Collective Trainer, Soldier/Squad Virtual Trainer and Constructive, Live at Point-of-Need.
- One World Terrain will play a major role in the Synthetic Training Environment.
 - Lets Warfighters conduct virtual training in complex simulations anywhere on Earth.
 - Ensures a common and high-fidelity whole-Earth terrain representation for a multitude of different simulation systems.
 - Leverages cloud technologies to deliver to the point of need.





Persistent Cyber Training Environment

Cyber threat is changing the way we look at warfare and cyber training is critical to meeting that growing threat.

- PEO STRI is the Department of Defense's Acquisition Lead agent in expanding National Cyber Ranges to meet the challenge.
- National Cyber Rangers provide advanced cyber research and development of new capabilities, analysis of malware, cyber training and exercises, and secure cloud computing and storage architectures.
- PEO STRI stood up the Product Manager, Cyber Resiliency and Training team to focus on the Persistent Cyber Training Environment.
 - At Full Operational Capability, it will be a hybrid cloud-based training platform providing individual sustainment training, team certification and the foundation for a collective training network.





Medical Modeling and Simulation

- Department of Defense directed all medical care responsibilities to be placed under the Defense Health Agency.
- Goal is to field medical simulations that will provide critical lifesaving care to Soldiers from the moment of injury on the battlefield to care in the hospital.
- PEO STRI's Joint Project Manager, Medical Modeling and Simulation provides a centralized total lifecycle management approach for the materiel development and procurement of medical Training Aids, Devices, Simulators and Simulations.





Acquisition Reform Initiatives

Reforming the way we develop, acquire and maintain realistic training capabilities and systems for the Army's weapon systems.

- Nested with Army Futures Command
- Streamlining acquisition using Other Transaction Authorities and embracing its flexibility.
- Removing barriers and bureaucracy to spur innovation.
- Expediting risk reduction; fail fast during prototyping and experimentation to reduce risk.
- Complete rapid prototyping to get capability in the hands of Warfighters faster.
- Maintaining flexibility to spin-off prototypes into follow-on production or service contracts.





Strengthen Alliances and Attract New Partners

Mutually beneficial alliances and partnerships are crucial to our strategy, providing a durable, asymmetric strategic advantage that no competitor can match.

The U.S. Army will focus on three elements for achieving a capable alliance and partnership network:

- Uphold a foundation of mutual respect, responsibility, priorities and accountability.
- Expand regional consultative mechanisms and collaborative planning.
- Deepen interoperability.





**WE WORK FOR
OUR SOLDIERS...
IT'S THE BEST JOB
WE'VE EVER HAD!**



U.S. ARMY