

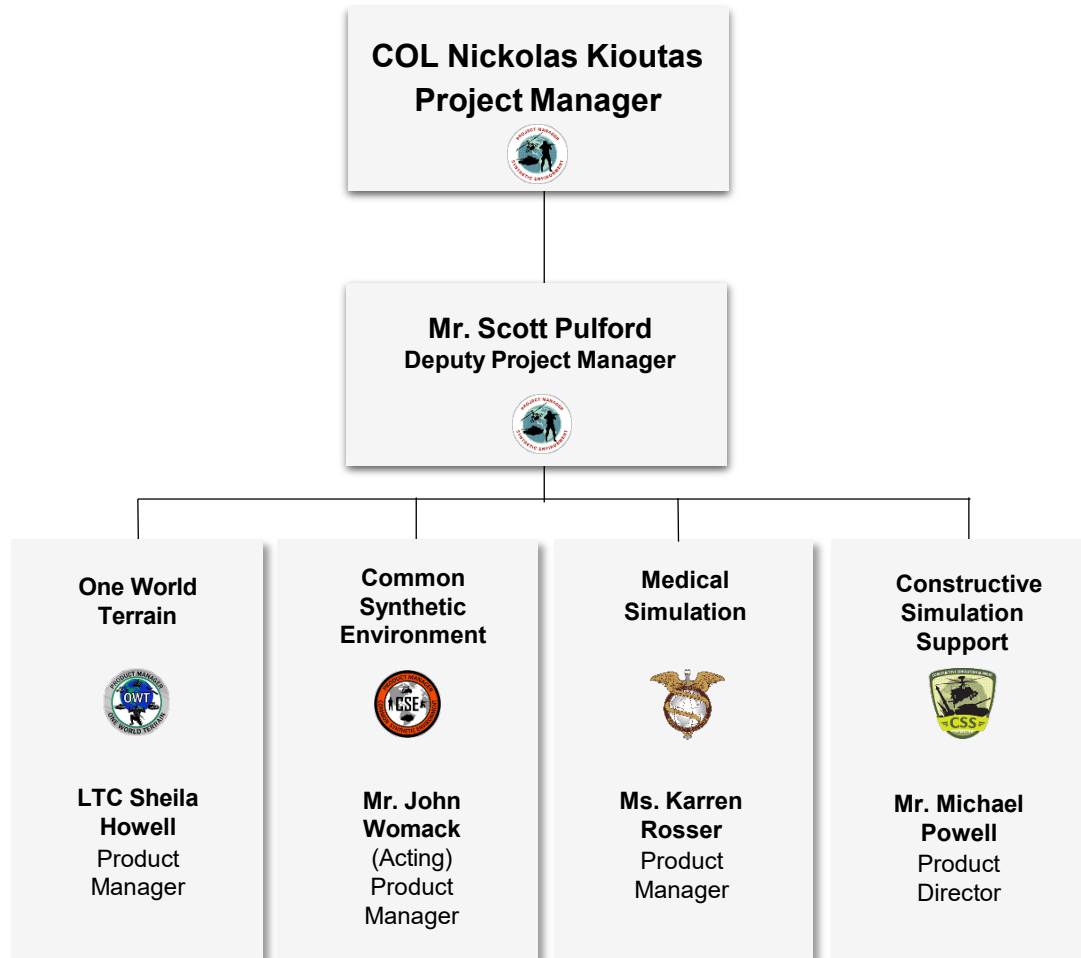
PM SE

COL Nick T. Kioutas | Project Manager Synthetic Environment





Project Manager Synthetic Environment Organizational Chart



As of 14 June 2022



Common Synthetic Environment

Mission: Develop and field a STE which unifies training and management where units from Soldier/Squad to Army Service Component Command train in the most appropriate live, virtual, constructive, or gaming environment or in all four at once. Link this new capability with the existing GFT & LVC-IA programs.

Products:

- Training Simulation Software / Training Management Tool (TSS/TMT)
- Live, Virtual, Constructive – Integrating Architecture (LVC-IA)
- Games for Training (GFT)

(Acting) Product Manager: Mr. John Womack

One World Terrain

Mission: Develop, acquire, manage and sustain the Army's premier modernization training capabilities in order to create disciplined and highly trained Soldiers with an unsurpassed overmatch capability in multi-domain operations.

Products:

- One World Terrain (OWT)
- Soldier Immersive Virtual Trainer (SiVT)

Product Manager: LTC Sheila Howell

Constructive Simulation Systems

Mission: Develop, field, and train Commanders and their Staffs across Multi Domain Operations.

Products:

- Joint Land Component Constructive Training Capability (JLCCTC)
 - Battle Command Simulations Equipment (BCTE)
- One Semi Automated Forces (OneSAF)

Pre-Materiel Development Decision:

- Next Generation Constructive (NGC)

Product Director: Mr. Michael Powell

Medical Simulation

Mission: Increase the medical simulation training capabilities needed to save lives on the current and future battlefield.

Products:

- Medical Simulation Training Center (MSTC)
 - Traumatic Amputation Task Trainer (TATT);
 - Tactical Combat Casualty Care Exportable (TC3X);
 - Medical Training Command & Control (MT-C2);
 - High Fidelity Patience System (HPFS);
 - Female Mannequin

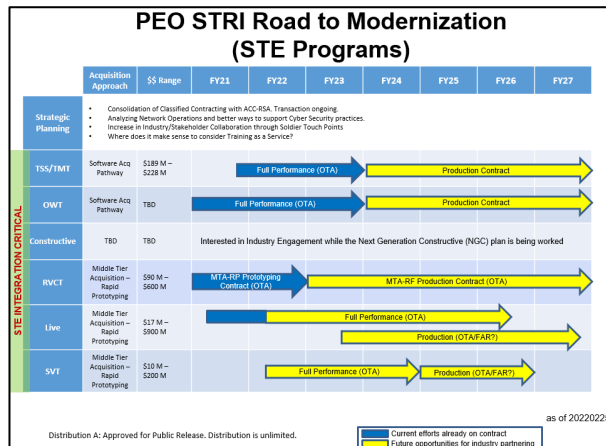
Product Manager: Ms. Karen Rosser



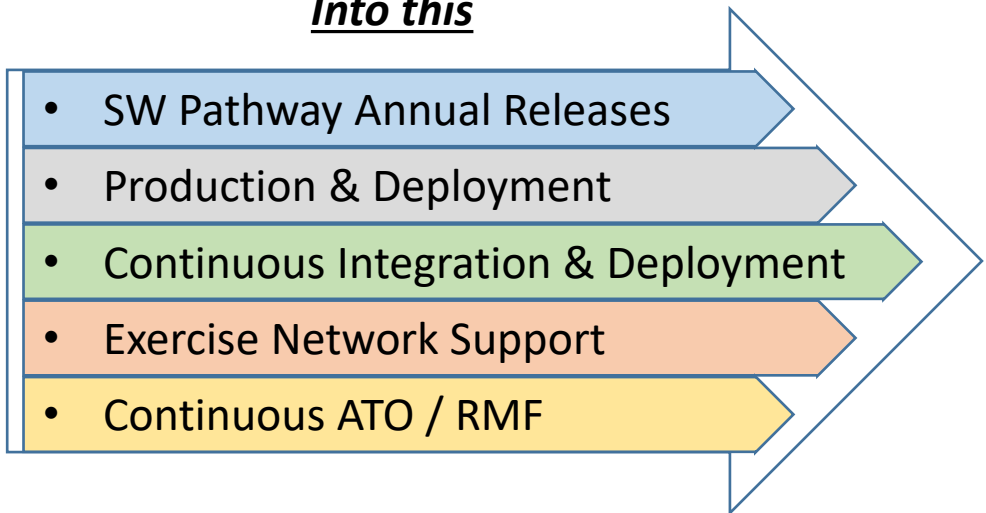
Enabling Competition as STE Grows / Evolves

- Wide Innovative Industry Approaches
- Find Opportunities for Competition
- Enable Agile Development Conditions
- Balance Best Value with Cost
- Open Architecture and Collaborative Environment
- Seamless Integration

Change this



Into this



Anticipate RFI to solicit industry concepts for contracting strategy to enable



TSS & TMT provide core functions that instantiate a common synthetic environment.

- Training Management Tools (TMT) is a set of tools to plan, prepare, execute, monitor, and assess multi-echelon training.
- Provides training management services and authoritative data sources.
- Accessible over the DoD Information Network and operational networks from unit computers.
- The STE will be a single, interconnected training system where training takes place in the live, virtual, constructive, or gaming environment, or in all four simultaneously.

ACQUISITION STRATEGY

[Pre-Decisional]

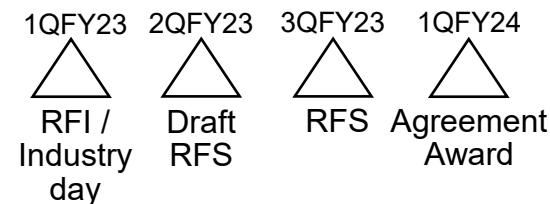
- Follow-on OTA as a transition to FAR based contract, 1st QTR 24
- Contract Type: Single Award Firm Fixed Price
- Competitive Award 1st QTR 26

PERIOD OF PERFORMANCE

[Pre-Decisional]

- 2 Year POP for OTA Follow-on
- Competitive Award 1st QTR 26
- Competitive Base and Option years – To be Determined
- Looking for Industry input

MILESTONES



CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Cole Engineering Services, Inc.

FUNDING

- Mission – RDTE, OPA, OMA
- Estimated Value Follow-on Award: \$76.8M
- Estimated Value Competitive Award FY26: \$99M(+)

POINT OF CONTACT

PM Synthetic Environment

407-384-3601

usarmy.orlando.peo-stri.list.pm-se-operations-team@army.mil



One World Terrain (OWT)

- Provides a realistic, common, and automatically generated global terrain dataset for simulation, mission command and intelligence systems.
- Conducts collective training, mission rehearsal, and mission execution at the Point of Need.
- Collects data from satellites, drones and crowd-sourced data.
- Cloud based data server (One World Server).
- Provides terrain products in a Well-Formed Format that is based on the latest community standards.
- Supports land, air, maritime, and space operations to facilitate training multi-domain operations.
- Provides 3D Models representing vehicles, vegetation and clutter.

ACQUISITION STRATEGY

- Follow-on Production OTA (non-competitive – 2371B); transition to FAR
- Contract Type: Single Award Firm Fixed Price

PERIOD OF PERFORMANCE

- Base Year: 01 JAN 24 – 31 DEC 24
- 1-Year Base plus four 1-Year Options

MILESTONES

2QFY23



Draft
RFS

3QFY23



RFS

1QFY24



Agreement
Award

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Maxar Technologies, formerly Vricon, Inc. (Westminster, CO)

FUNDING

- Mission – RDTE, OPA, OMA
- Estimated Value: TBD

POINT OF CONTACT

PM Synthetic Environment

407-384-3601

usarmy.orlando.peo-stri.list.pm-se-operations-team@army.mil



One Semi Automated Forces (OneSAF)

- Constructive simulation that models platforms systems and U.S. Army doctrine at the brigade and below levels
- Used within JLCCTC, LVC-IA
- Cloud enabled software (accessible remotely anywhere/anytime)
- Government off-the-shelf software
- Uses official U.S. Army data for unit composition
- Physics based, entity modeling with validated data
- Supports Live, Constructive & Virtual (LVC) Domain Interoperability
- Bi-directional stimulation/simulation of Mission Command (MC) systems
- Enhanced cyber effects on MC messages
- Dense Urban Operations
- Enhanced Chemical, Biological, Radiological, Nuclear (CBRN) modeling
- Runs on multiple hardware platforms (mobile/tablet/PC/Server/Virtual)

ACQUISITION STRATEGY

[Pre-Decisional]

- Competitive: Small Business Set Aside
- Contract Type: Single Award IDIQ (Cost Plus Fixed Fee, Firm Fixed Price and Cost provisions)

PERIOD OF PERFORMANCE

[Pre-Decisional]

- Base Year: 1QFY25 – 1QFY26
- 1-Year Base plus five 1-Year Options

MILESTONES

1QFY24



Draft RFP

2QFY24



RFP

1QFY25



Contract Award

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Riptide Software, Inc. (owned by Phoenix Defense, Inc.)

FUNDING

- Mission – RDTE, OMA
- Estimated Value: ~\$100M

POINT OF CONTACT

PM Synthetic Environment

407-384-3601

usarmy.orlando.peo-stri.list.pm-se-operations-team@army.mil



Battle Command Training Equipment (BCTE)

BCTE procures and fields COTS hardware & software in support of the Joint Land Component Constructive Training Capability (JLCCTC).

- Provides furniture, fixtures, equipment, and technical tools for Military Construction infrastructure and legacy Mission Training Complexes (MTCs), as well as Electronic Security Systems
- Provides boundary equipment to multiple Mission Training security Complexes to accommodate network
- Provides, field and refresh COTS Common Hardware Platforms (CHPs) and hardware servers
- Provides & Manages COTS software licenses
- Provides Property Accountability of COTS Products

ACQUISITION STRATEGY

- Contract Type – Single Award ID/IQ; Small Business Set Aside
- This contract will consolidate two efforts (currently CBCSE and BCTC-ES)

PERIOD OF PERFORMANCE

[Pre-Decisional]

Seven (7) Years (Tentative)

- One 3-Year Base
- Two 2-Year Options

MILESTONES

Completed



Market Research

1QFY23



DRAFT RFP

1QFY24



Contract Award

CURRENT CONTRACT/ORIGINAL DEVELOPER/OEM (IF RECOMPETE)

- Phoenix Defense (formerly Phoenix Logistics Inc.)

FUNDING

- Mission and Customer
- Estimated Value: ~\$250M

POINT OF CONTACT

PM Synthetic Environment

407-384-3601

usarmy.orlando.peo-stri.list.pm-se-operations-team@army.mil