



# U.S. ARMY COMBAT CAPABILITIES DEVELOPMENT COMMAND – SOLDIER CENTER

SFC Paul Ray Smith

Simulation and Training Technology Center Overview

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# TRAINING AND SIMULATION DIVISION



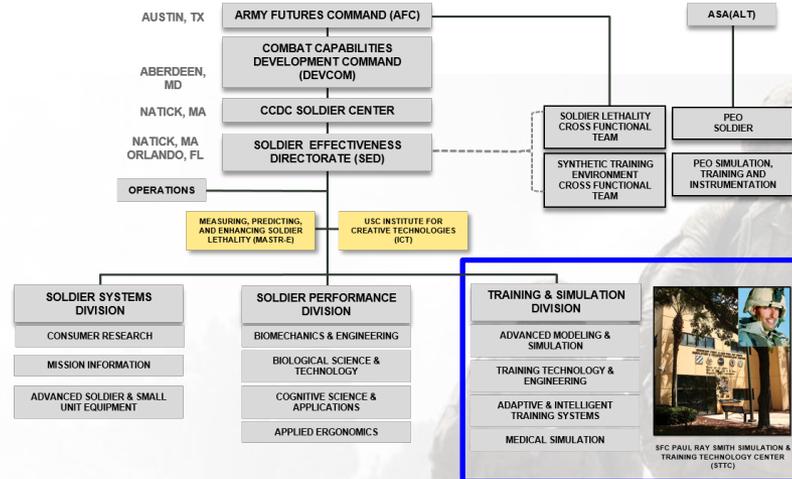
## Mission, Vision, Organization, Stakeholders and Funding

### MISSION

Develop, mature and **transition** innovative training and simulation technologies to maximize Soldier effectiveness and warfighter readiness.

### VISION

Enable the development of the best training aides, devices, simulators and simulations to train the finest Soldiers in the world.



Live Training “e-Bullet”



Medical Simulations



Virtual Humans



Augmented Reality

### MAJOR STAKEHOLDERS

- Synthetic Training Environment Cross Functional Team (STE CFT)
- Program Executive Office Simulation Training & Instrumentation (PEO STRI)
- Combined Arms Center – Training (CAC-T)
- U.S. Army Medical Research & Development Command (USAMRDC)
- Defense Advanced Research Project Agency (DARPA)
- Army Modeling & Simulation Office (AMSO) and all 6 Army M&S Communities

### FUNDING

- ~ \$52M Core Mission Funds (6.2 and 6.3)
- ~ \$50M Customer Funds



# TEAMS AND RESEARCH AREAS



## TRAINING TECHNOLOGY & ENVIRONMENTS

## ADVANCED MODELING & SIMULATION

## MEDICAL SIMULATION & PERFORMANCE

## ADAPTIVE & INTELLIGENT TRAINING SYSTEMS

## OPERATIONS

### Major Research Areas:

- Mixed/Augmented Reality
- Synthetic Natural Environments
- Live Training Simulations

### Major Research Areas:

- Distributed Interactive Simulation
- Visualization and Interaction Technology
- Cyber Warfare Simulations

### Major Research Areas:

- Live Tissue Char.
- Severe Trauma
- Medical Training Environments
- Haptics

### Major Research Areas:

- Automated Training Effectiveness
- Adaptive Training
- Artificial Intelligence

### Major Support Areas:

- Security
- Public Affairs
- Logistics
- Personnel
- Information Tech.
- Graphics
- Admin. Support

### STE LOE Support:

- IVAS
- S/SVT
- OWT
- LTS

### STE LOE Support:

- STE IS TSS
- NGC

### STE LOE Support:

- STE IS TSS

### STE LOE Support:

- STE IS TMT



Mr. Julio de la Cruz (A)



Mr. Chris Metevier



Dr. Beth Pettitt



Dr. Greg Goodwin (A)



Mr. Jim Nelson



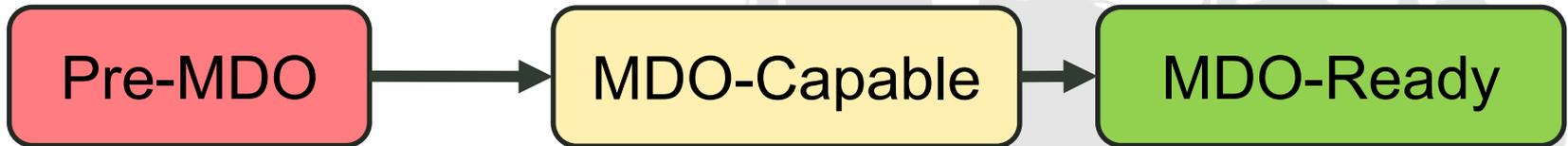
# ARMY S&T STRATEGIC SHIFT



1. Align S&T Program to **User** and **Transition Partner** Stakeholder Needs
2. Shift S&T investments from **Near Term STE** technology needs **To Mid and FAR Term Multi Domain Operations (MDO)** capability needs

*S&T Investments towards an MDO Ready Force*

Near Term (Present-2023)	Mid Term (2023-2028)	Far Term (2028-2035)
<ul style="list-style-type: none"> <li>• One World Terrain (OWT)</li> <li>• Training Simulation Software (TSS)</li> <li>• Training Management Tools (TMT)</li> <li>• Soldier integrated Virtual Trainer (SiVT)</li> </ul>	<div style="border: 2px solid blue; padding: 5px; display: inline-block;"> <ul style="list-style-type: none"> <li>• Mid Term S&amp;T Program</li> </ul> </div>	<ul style="list-style-type: none"> <li>• Far Term S&amp;T Program (TBD)</li> </ul>



# Questions & Discussion

SERGEANT FIRST CLASS PAUL RAY SMITH  
SIMULATION & TRAINING TECHNOLOGY CENTER



*Protect the people...  
Like he who needs to be done...  
Regardless of the consequences*

