Training & Simulation Industry Symposium 2022
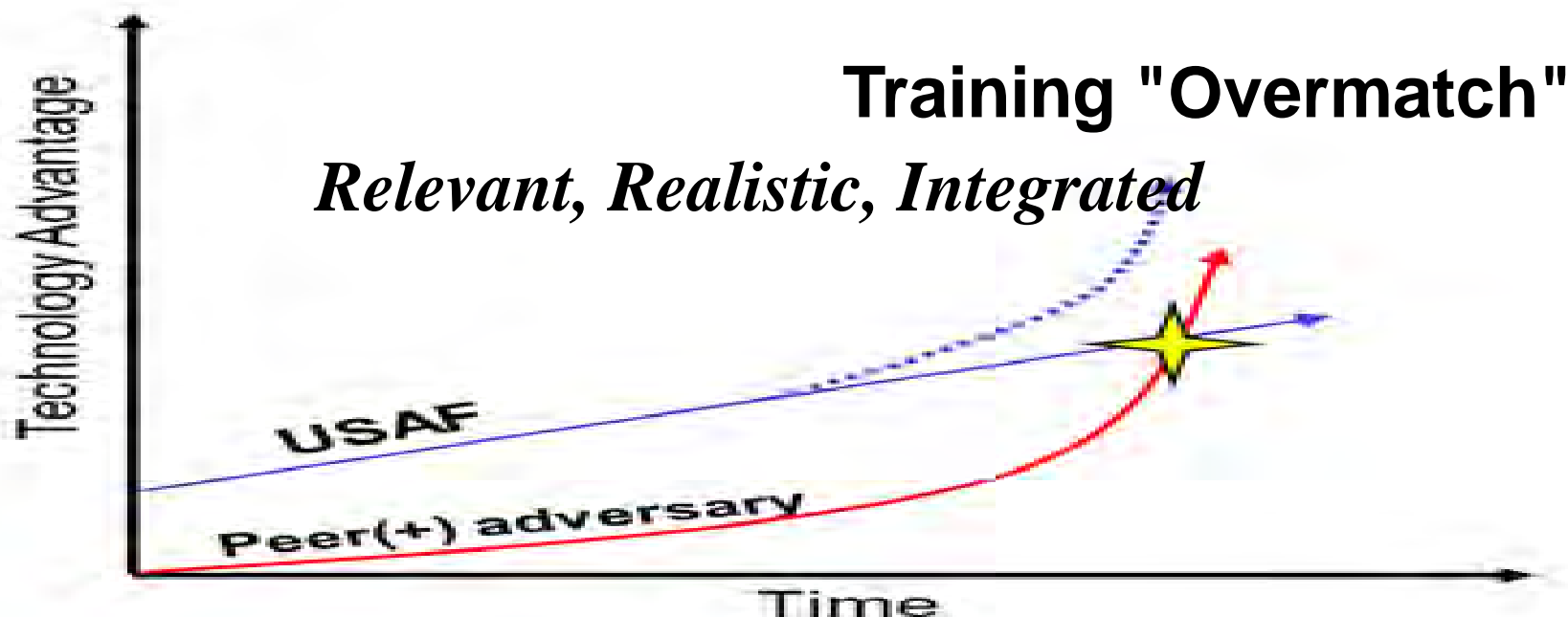
Col Timothy "Bitter" Beers
AFAMS/CC
16 June 2022

Operational Problem

Technological superiority is neither an inherent right nor guarantee; next fight may be against an equally equipped foe
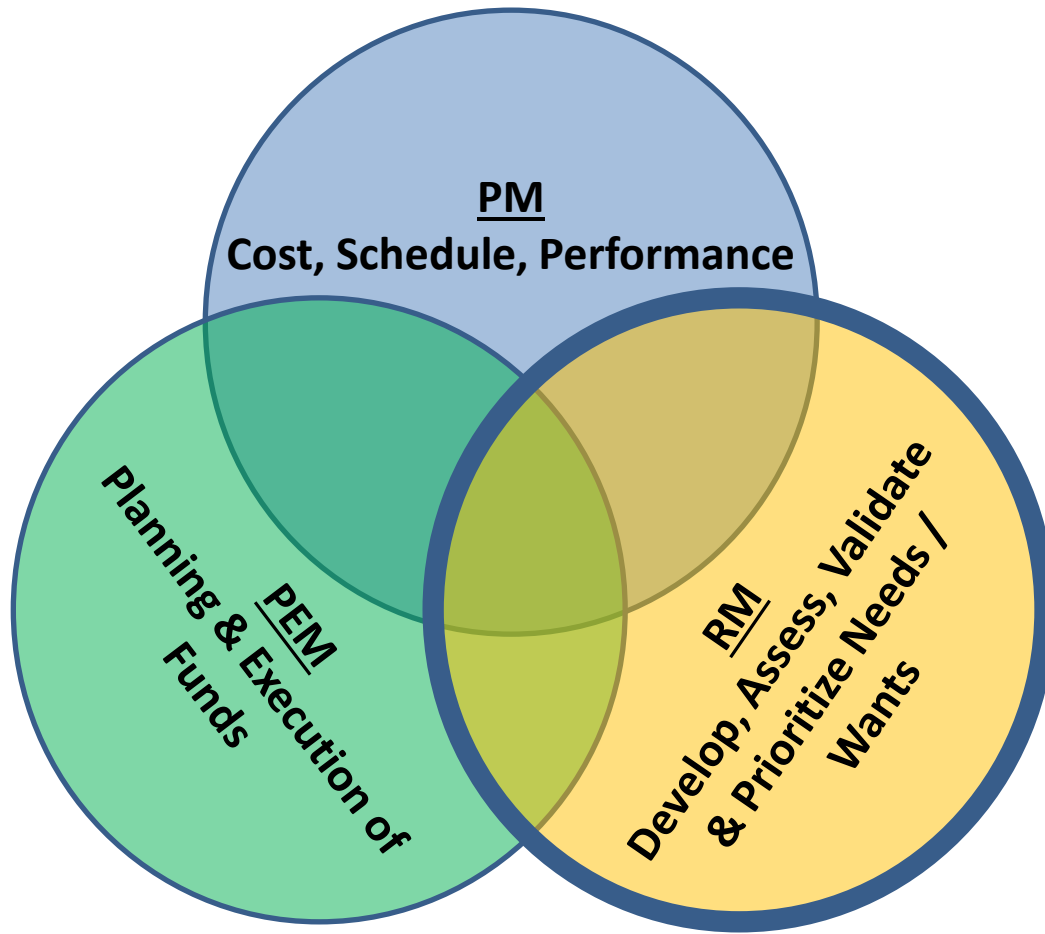

Training "Overmatch"

Relevant, Realistic, Integrated

USAF

Peer(+) adversary

Technology Advantage

Time

The best trained warriors will be the deciding factor in battle

Any Fight, Any Place, Any Time

$$Training_{Readiness} = (Interoperability_{System}) \times (Environment_{Relevant,\ Realistic,\ Integrated})$$

Integrity | Service | Excellence

Acquisition Trinity

PM
Cost, Schedule, Performance

PEM
Planning & Execution of Funds

RM
Develop, Assess, Validate & Prioritize Needs / Wants
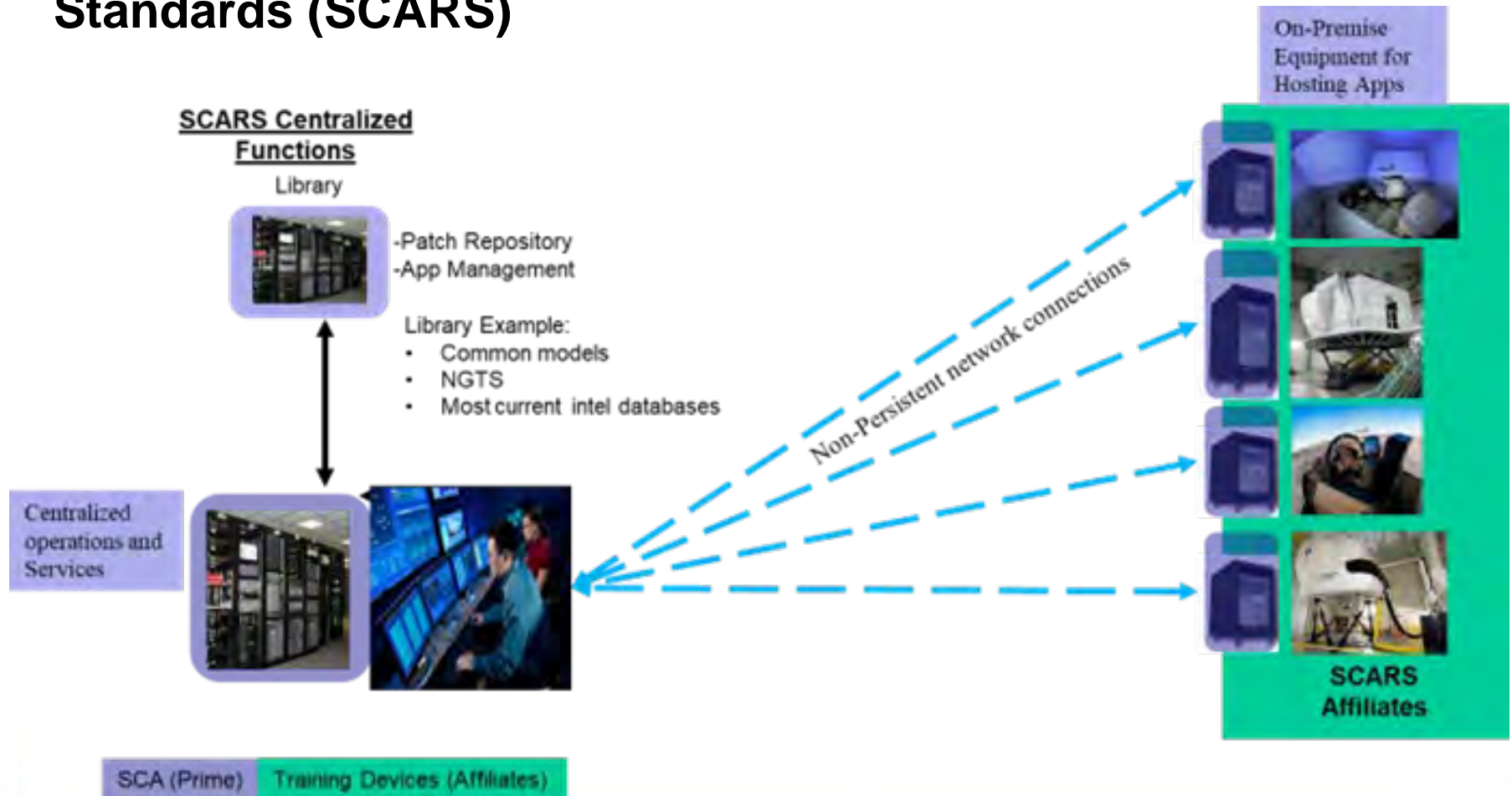
AFAMS

U.S. AIR FORCE

Integrity | Service | Excellence
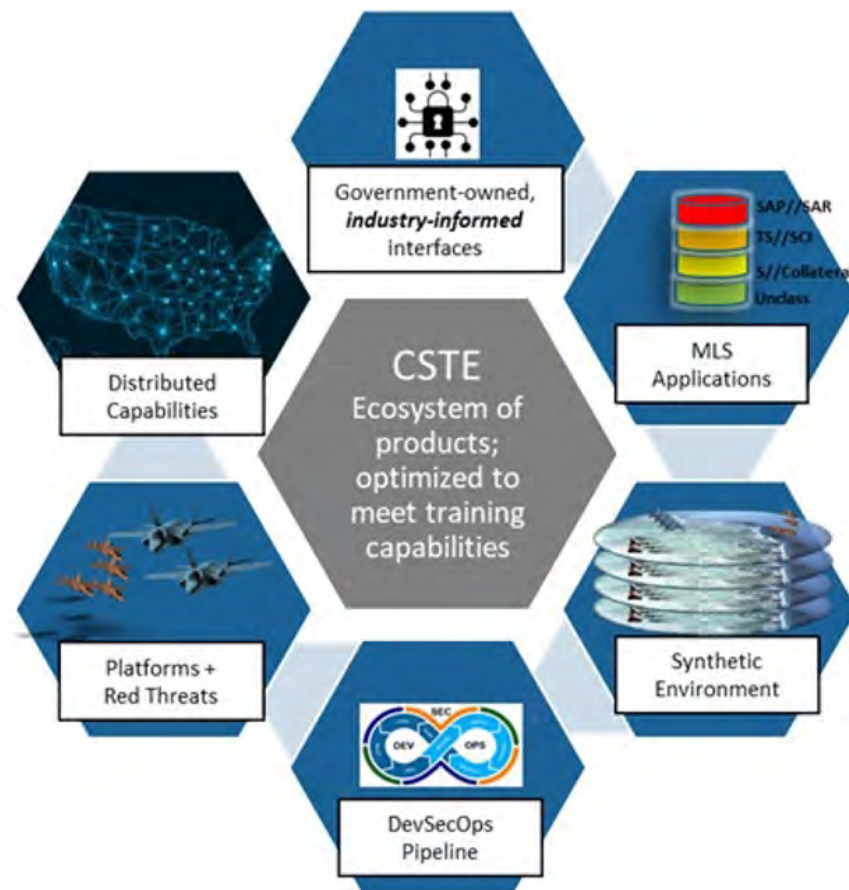
Interoperability

Simulator Common Architecture Requirements & Standards (SCARS)

Environment

- **Concept refined from July 2020 Joint TACAIR AoA**

- **Vision: Sim Center quality experience at every home station … CAF, MAF, SOF**

- **Invest in what we <u>will</u> need, not what <u>was</u> needed**

Goal: Integrated, Realistic, and Efficient Training

Readiness-Based Training

Asks of Industry / Academia:

- **Scenarios** that are Whole–of-Service / Joint and Coalition-holistic
- **Models** that are timely, operationally relevant / realistic
- **Entity counts** that sufficiently express the modern battlefield
- **EMOE interactions** that are accurate / physics-based
- Embrace **Data-centricity**
  - Three generations of aircraft need to interface seamlessly
- Distributed / Resilient / **Multi-Level Security**

Innovation and Collaboration is Vital to Warfighter Success

Integrity | Service | Excellence

QUESTIONS?

Integrity | Service | Excellence