Joint TCT Experimentation

Jim Dear

703-983-7601 • jdear@mitre.org

Army-Contract MOIE

MITRE Technology Program

Background

- JP 1-02: "TCTs are those (surface) targets requiring immediate response because they pose a danger to friendly forces or are highly lucrative, fleeting targets of opportunity."

- Situation
  - Multiple sensors
  - Multiple programs/systems
  - Multiple contractors
  - Multiple service involvement
  - Prevalence of prototypes
  - Ambiguous/opaque target set
  - Inter-service discontinuity
  - Limited doctrine

MITRE

Problem

- No end-to-end program
- Intra- and inter-service discontinuity
- Allied Force/Noble Anvil Findings: doctrine and system shortfalls

MITRE

Objectives

- Demonstrate *inter-service* interoperability in TCT through intra-MITRE and inter-service experimentation
- Examine and demonstrate *technologies* that will enhance interoperability
- Delineate *interoperability* issues for OSD

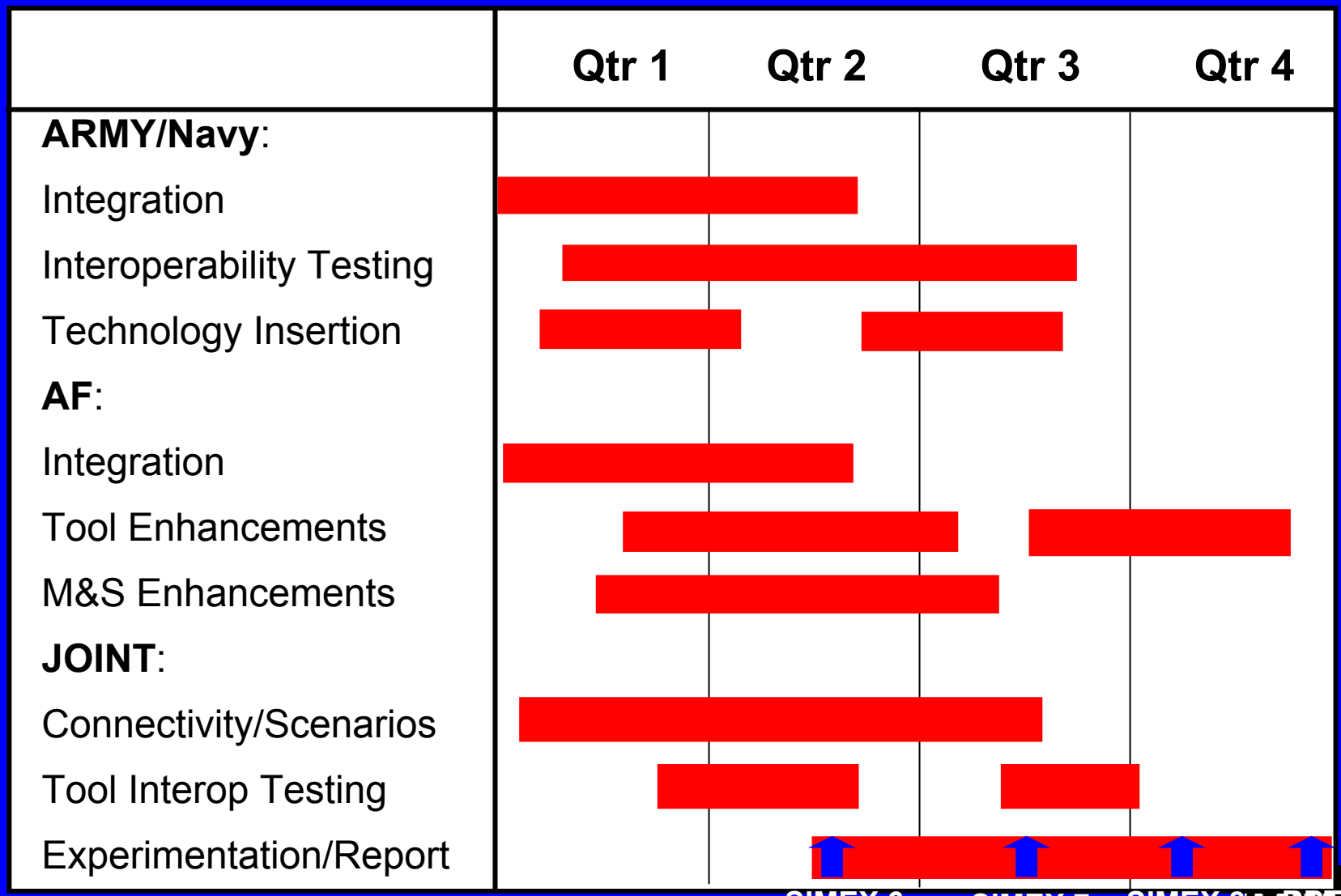
MITRE

Activities

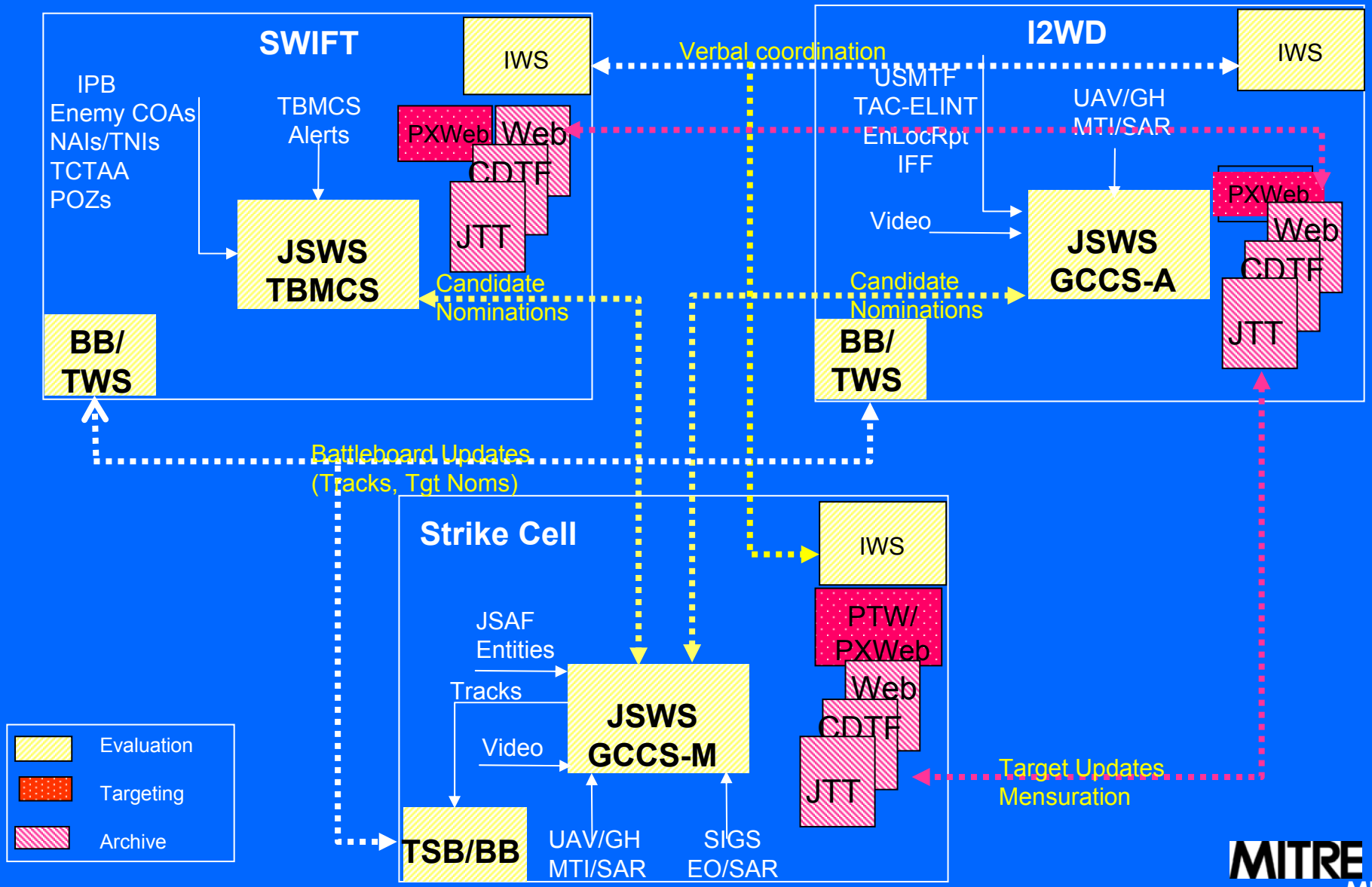
- Develop Joint TCT Experiment Plan
- Examine technical and operational interfaces during experiments
- Identify possible interoperability problems
- Recommend/insert selected technologies
- Evolve CONOPS
- Recommend programmatic solutions

MITRE

Highlight



Demonstration: SIMEX 7



Impacts

- Address OSD concerns
- Influence R&D and acquisition decisions
- Evolve Joint TCT TT&P
- Develop framework for Joint TCT Experimentation

MITRE

Future Plans

- SIMEX 7 Execution
- SIMEX 7 Report
- SIMEX 8 Planning and Execution
- SIMEX 8 Report
- TCT Interoperability Report to OUSD/AT&L

MITRE