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BATTLESPACE VISION

Produce High-velocity, operationally agile operations that present multiple dilemmas for an adversary at an operational tempo they cannot match.

- Involves Multi-Domain Planning...and Execution
- Every Node Connects – Shares – Learns
- Resilient - Distributed - Multi Domain - Open Architecture - Platform Agnostic - Affordable

Distribution Statement "A" (Approved for Public Release, Distribution Unlimited)
RUNNING THE GAUNTLET

• Rapid Experimentation Objectives:
  – Mature STITCHES
  – Grow the graph
  – Technology exposure for industry and government

• Results:
  – 3 near-term fielding candidates
  – >17K nodes and >24K edges in the graph
  – >73 unique subsystems
  – >25 industry and government organizations with hands-on experience
SOSITE RAPID INTEGRATION EXPERIMENT SUCCESS STORIES

STITCHES first flight

First integ- to first flight in 8 days

Unlocking inherent system capability

5 days to enable integration across three C2 systems

Heterogenous Sensors and Data Links Kill Chain

SOSITE HAS PERFORMED 9 FLIGHT AND LAB EXPERIMENTS INTEGRATING 73 UNIQUE SYSTEMS
GAUNTLET 4 HIGHLIGHTS

- Integrated 24 subsystems from over 20 organizations
- Demonstrated the ability to compose a real-time dynamic ATO
- Demonstrated build-fly-repeat rapid flight experimentation
High Value Asset (HVA) – Simulation flying “Black Line” and does not have the ability to jam.

UAS Jammer – Simulated UAS running Electronic Attack Resource Manager System (EARMS). Has the ability to Jam.

Jammer 1 – Simulated distributed EA Jammer

Jammer 2 – Simulated distributed EA Jammer

L_G200 – Simulated threat

G201 – Simulated threat

R_G200 – Simulated threat
SOSITE GAUNTLET 6 OVERVIEW

ENABLE AIRSPACE CONTROL COORDINATION ACROSS THREE C2 SYSTEMS

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“Success no longer goes to the country that develops a new technology first, but rather to the one that better integrates it and adapts its way of fighting”
SoSITE Fort Worth SIL

Aggressor

Sensor Truck

Surrogate Fighter

Data Link

China Lake Ground Station

E-OSA Mission Computer (EMC2)