



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Win • Transform • People

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The Next Frontier – Filling the Areas of Interest

- **Why?** – Shrinking Technical Advantage (Pace of Tech Dev, Democratization of Tech, US Dominance, Flat Budgets)
- **What?** – Bringing Solutions and Problems closer together; shepherding collisions
- **How?** – CRADA's, SBIR's, TE's, FTF's, Vulcan
- **Latest Areas of Interest/ Themes;**
 - Contested Environment SA/ C4I,
 - Captured Enemy Material Exploitation
 - Counter Autonomous Systems

JSOC - “Stop Missing Opportunities”

Why?

SOF’s technical advantage is dependent on rapid: problem identification, resourcing and resolution.

- Untapped Problem Solving Potential
- Unmet Needs
- Flat Government Spending
- Industry IR&D
- Desire to collaborate
- The real \$ is in sustainment

We can’t afford to miss known opportunities to solve problems faster.

What?

Problem Solving 101 – Know the problem, Find the solution, Resource

- Reduce the barriers between Problems and Solutions
- Share til it hurts
- Accept Risk
- Partner
- Reinforce success
- Acknowledge our limitations

Embrace our dependence on partnerships

How?

- Our Gap List puts our needs in the hands of solvers – it is JSOC’s “dating profile”.
- Cooperative R&D Agreements accelerate solutions to a point of demonstration.
- Demonstrations impact resourcing decisions.
- Vulcan is a safe place for both industry and government – acts as “holding pond” for solution and problem to connect.



NEXT GENERATION UNDERSTANDING

❖ Accelerated Collection to Insight to Action (ACIA)

❖ Offensive & Defensive Swarm Enabled Tactics (OffDefSet)

❖ Invisible to Digital Surveillance (INVIDS)

❖ Collaborative OPS in a Denied Environ (CODE)

Future Operating Environment: Innovation Peaks

Aim Point 2: CEM

Aim Point 3: Autonomous Swarms

Aim Point 1: BASE CAMP

MILESTONES

Stronger Tech Foundation

DEVOPS | Cloud | Proactive IT & Security | Data OPS | Process Friction

Ecosystem

Space | Location | Collaboration Tools

Tech DNA

Training | Discover Trapped Talent | Hire New Talent | HQE | CTRs

Battle Rhythm

Establish Technology Heartbeat that includes J DIR and Tiers

JSOC – 2018 Priority Areas of Interest

Contested Environments

Moving, Engaging and Communicating in environments that are more challenging.

- More capable opponents
- GPS Denial
- Communications Jamming
- Proliferation of Social Media
- Proliferation of Night Vision capabilities
- Non-nation state actors with nation state-like capabilities

Countering Autonomous Threats

While human operated airborne threats have consumed significant resources over the past 18 months (CUAS), increasing levels of autonomy adds a dire new element.

- Air threats are still a primary area of concern, but we are also focused on ground and maritime threats.
- AI at the chip level

Improved Analytics

The US is collecting far more than it can effectively analyze and translate into actionable intelligence. SOF is not immune to this phenomenon.

- Automated ingest – multi-language OCR, facial recognition
- Derivation of intent
- Cross-Domain
- Data Fusion
- Visualization