

# Special Operations Forces Industry Conference

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# Science & Technology

UNCLASSIFIED



## Technical Experimentation

- **Mission**

- Support Concept & Solution Development for SOF Capability Gaps, Technology Thrust Areas & Warfighter Challenges



- **Objectives**

- Partner & Coordinate with SOCOM Organizations, Federal Labs & Industry
- Increase Interaction between Operational & Acquisition Communities through Experimentation
- Enhance Operational Visibility of Innovative Solutions & Technology Opportunities
- Decrease Time from Technology Integration to Fielding of Capabilities



## Technical Experimentation MBE & CBE

- **Mission Based Experimentation (MBE)**
  - Rapidly Exploit Potential Solutions for High Priority, High Value SOF Warfighter Mission Requirements
- **Capabilities Based Experimentation (CBE)**
  - Identify Potential Technology Solutions, Impacts, Limitations & Utility to Meet SOF Technical Objectives / Thrust Areas





## USSOCOM-NPS Experimentation Cooperative

- Provide a Venue to Rapidly Assess, Develop, Counter & Exploit Emerging Capabilities to Address Immediate Warfighter Needs
- Evaluation Includes:
  - Technical Feasibility
  - Affordability
  - Effectiveness
  - Utility





## Technical Experimentation Venues

- **Camp Roberts, CA**
  - Numerous Ranges & Training Areas
  - Dedicated Location with Established Communications Infrastructure
  - Events Conducted in May, Aug & Nov

### Main Facilities



TOC



Briefing/Support



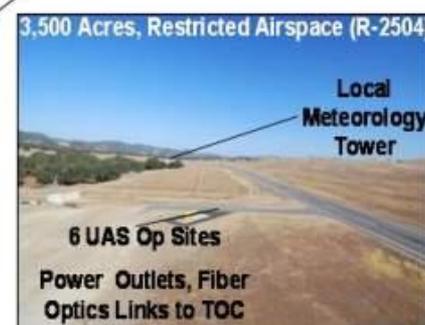
Small UAS Operations



Hangar

Comms Tower

Comms Platform



3,500 Acres, Restricted Airspace (R-2504)

Local Meteorology Tower

6 UAS Op Sites

Power Outlets, Fiber Optics Links to TOC



## Technical Experimentation Venues

### Avon Park, FL

- Restricted Airspace (R-2901A) with Runway & Control Tower
- Live Fire Ranges (25M to 1000M)
- Improvised MOUT Facility
- Close Proximity to USSOCOM
- Event Conducted in Feb

### Main Facilities





## Historical Focus Areas

- **Intelligence, Surveillance & Reconnaissance (ISR)**
- **Command, Control, Communications & Computers (C4)**
  - Focus Area for August Event (Subject to Change)
- **Medical**
- **Power & Energy**
- **Irregular Warfare (IW)**
- **Cyberspace Operations (Attack, Defend, Exploit)**
- **Weapons, Shelters, Barriers & Electronic Attack**
- **Mobility**



## Technical Experimentation Invitation

- The next planned event will be held **1-12 August 2011** at **Camp Roberts, CA**
- White papers may be submitted for consideration to **Tech\_Exp@socom.mil**
  - 2 page maximum
  - Should include technology description, intended scope, expected outcome & SOCOM sponsor
- **Space & Time Limited, Submission of White Papers Not a Guarantee of Admission**
- **Experimentation Participation by SOCOM or NPS Invitation Only**



**Experimentation is a process, failures are not considered negative outcomes, we learn from both successes and failures**

**"I have not failed. I've just found 10,000 ways that won't work." - Thomas Edison**

**"Failure is only the opportunity to begin again more intelligently." - Henry Ford**

**"You can't have any successes unless you can accept failure." - George Cukor**

**"There is no failure. Only feedback." - Robert Allen**

**"You always pass failure on your way to success." - Mickey Rooney**