# Special Operations Forces Industry Conference

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## Science & Technology

# 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

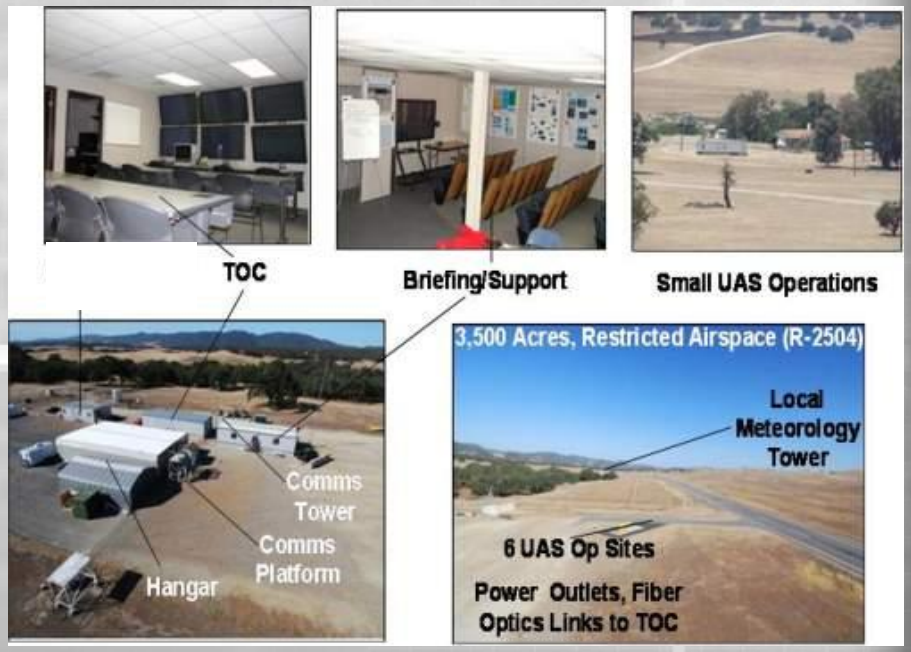
# USSOCOM-NPS Experimentation Cooperative

- 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



# 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