

United States Special Operations Command



Science and Technology Capabilities to the SOF Operator

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Our World Has Changed...



“Our strategic focus has shifted largely to the south... certainly within the special operations community, as we deal with the emerging threats from the places where the lights aren't....”

ADM Eric T. Olson



Commander's Guidance & Direction for USSOCOM S&T / S&T Vision

- **Develop a coherent capability-based research and development effort focused on placing new capabilities in the hands of SOF operators**
- **Conduct technology discovery, coordinate research and development activities, rapidly integrate technology developments, and rapidly insert new capabilities for equipment and techniques across the force**

A Special Operations force, empowered with the newest technologies and capabilities, able to operate in any environment, work effectively with partners, and defeat all adversaries



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S&T Integrated Priority List (STIPL)

- **STIPLs focus on SOCOM S&T needs while complementing the SOCOM IPL**
- **FY13-17 S&T Priorities (Not in Order)**
 - Extended duration incapacitation
 - Comprehensive signature management across electromagnetic spectrum
 - Understand and Exploit the Battlefield
 - “Own the Night”



S&T Funding Sources

■ Two Traditional Sources:

➤ BA2 (Special Operations Technology Development)

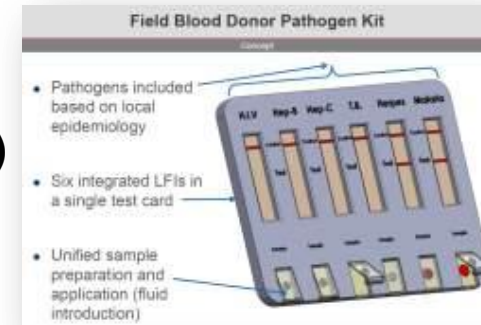
- TRL 3-5
- Studies, early lab hardware, software development models

➤ BA3 (Special Operations Special Technology)

- TRL 5-7
- Prototypes, Demonstrations

■ Rapid Exploitation of Innovative Technologies for SOF (REITS)

- Developmental Effort with potential to transition to field in 6-12 months (no more than 18 months)
- High Risk, High Payoff Projects





Funding Sources (Cont)

■ Small Business Innovative Research

- Phase 1: Competitively Awarded Topics, \$100k for feasibility studies
- Phase 2: Sole Source to Phase 1 contractors, approx \$1M per contractor
- Phase 3: Sole Source, Requires Program Funds, no \$ limit

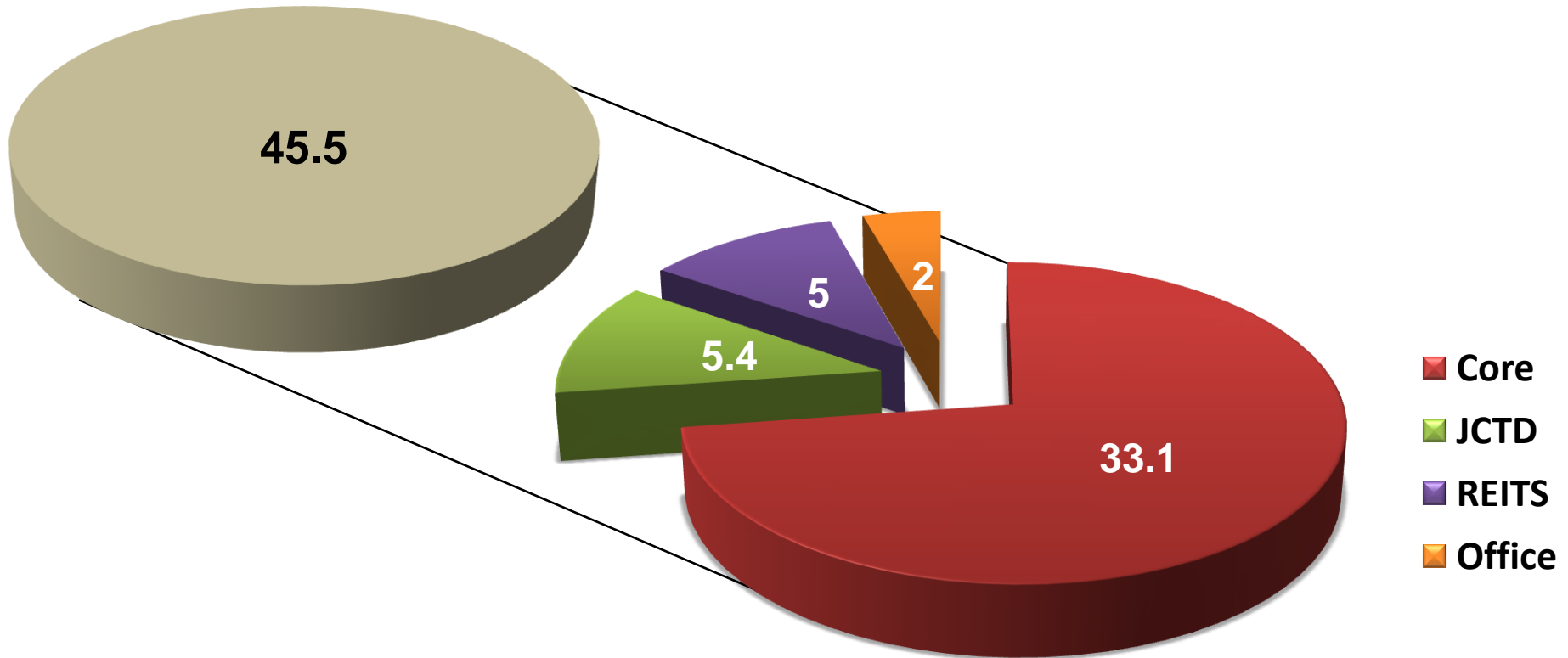


■ Leveraging

- OSD, Service Research Labs, DARPA, Dept of Energy, OGA



FY2011 S&T Funding (\$M)

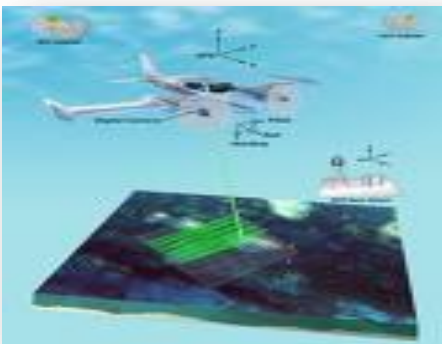




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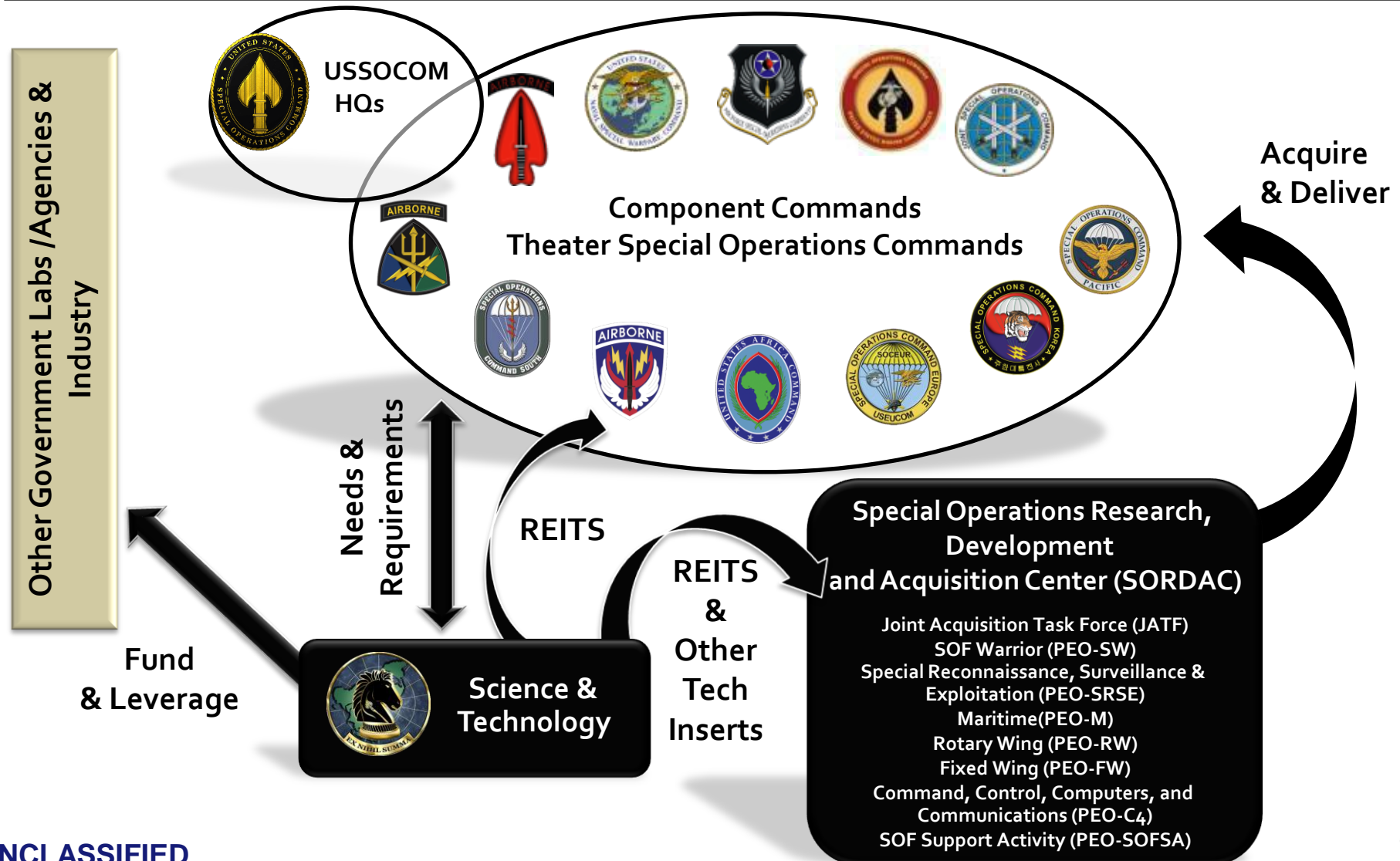
S&T Commodity Alignment

- **Four Primary Commodities**
 - Soldier Systems
 - Mobility & Classified
 - RF & Antennas
 - Power & Energy
- **Two Cross-Commodities Focus Areas**
 - Experimentation & JCTDs
 - SBIR Management





S&T Capabilities to the SOF Operator



SOCOM Unique Authorities

National Defense

Authorization Act of 1986



A Unified Combatant Command...

- Command of All U.S. Based SOF
- Plan and Synchronize DoD Activities in the Global War on Terrorism
- Deploy SOF to Support Geographic Combatant Commanders
- As Directed, Conduct Operations Globally
- Plan and Execute Pre-Crisis Activities



...With Service & Military Dept-like Responsibilities

- Organize, Train, Equip SOF
- Develop Strategy/Doctrine/Tactics
- Program and Budget
- Procure SOF-peculiar Equipment
- Monitor SOF Personnel
- Ensure Interoperability



Working with USSOCOM Technology and Industry Liaison Office (TILO)

- The TILO provides USSOCOM and Industry a means to rapidly identify, track, and assist with the efficient transition of emerging and needed technologies and capabilities to the SOF warfighter
- Mr. Chris Harrington (USSOCOM Director, Office of Small Business Programs and TILO)
- tilo@socom.mil
- TILO Hotline (813) 826-3200



Questions?