



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

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Program Executive Officer

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Deputy PEO

SPECIAL RECONNAISSANCE,
SURVEILLANCE, AND
EXPLOITATION

SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION

PROGRAM EXECUTIVE OFFICE SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION

THE FOLLOWING VIDEO HAS BEEN APPROVED FOR
APPROPRIATE AUDIENCES
BY THE PROGRAM EXECUTIVE OFFICER

THE VIDEO HAS BEEN RATED

P	PROVOKING
	CONTRACTORS MAY REQUIRE ADULT SUPERVISION
THOUGHT PROVOKING IMAGERY & LANGUAGE THROUGHOUT	

SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION

SOF PRIORITIES

Ensure SOF Readiness

Right People / Skills / Capabilities

Help Our Nation Win

*Provide a Diverse Portfolio of Capabilities
Sustainment Focused on Readiness*

Continue To Build Relationships

*Components; Industry; International; & Intelligence Community
You Can't Surge Trust*

Prepare For The Future

*Accept & Adapt to Rapidly Evolving Future
Develop Concepts That Challenge Our Organizational Construct*

Preserve Our Force and Families

Take Care of Our People



SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION**PEO SRSE MISSION**

Manage The Development, Acquisition, Fielding, New Equipment Training, And Sustainment Of State Of The Art Technical Collection And Exploitation Tools For Advanced Surveillance, Reconnaissance, And Intelligence Systems For Components And Theater Special Operations Commands.

- ***Agile Acquisition – Rapid Fielding & In-Theater Support***
 - ***Quick Reaction Capability***
 - ***Rapid Prototyping***
- ***Extensive Network of Partners to Assist & Advise***
 - ***Intelligence Community***
 - ***Service Labs / PEOs***
 - ***Department of Energy***

SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION

TECHNICAL COLLECTION SYSTEMS

Hostile Forces – Tagging, Tracking, and Locating (HF-TTL)



Special Operations Tactical Video System (TVS)



Blue Force Tracking (BFT)



Joint Threat Warning System



IDENTITY OPERATIONS

Biometrics and Forensics



INTELLIGENCE SUPPORT SYSTEMS

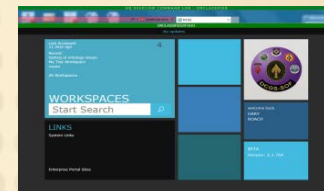
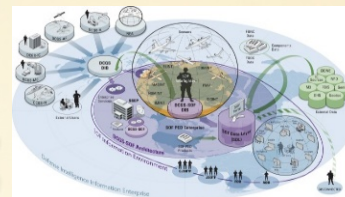
Integrated Survey Program



SOF Planning, Rehearsal & Execution Preparation



Distributed Common Ground/ Surface System SOF

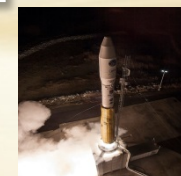


FOCUSED RDT&E

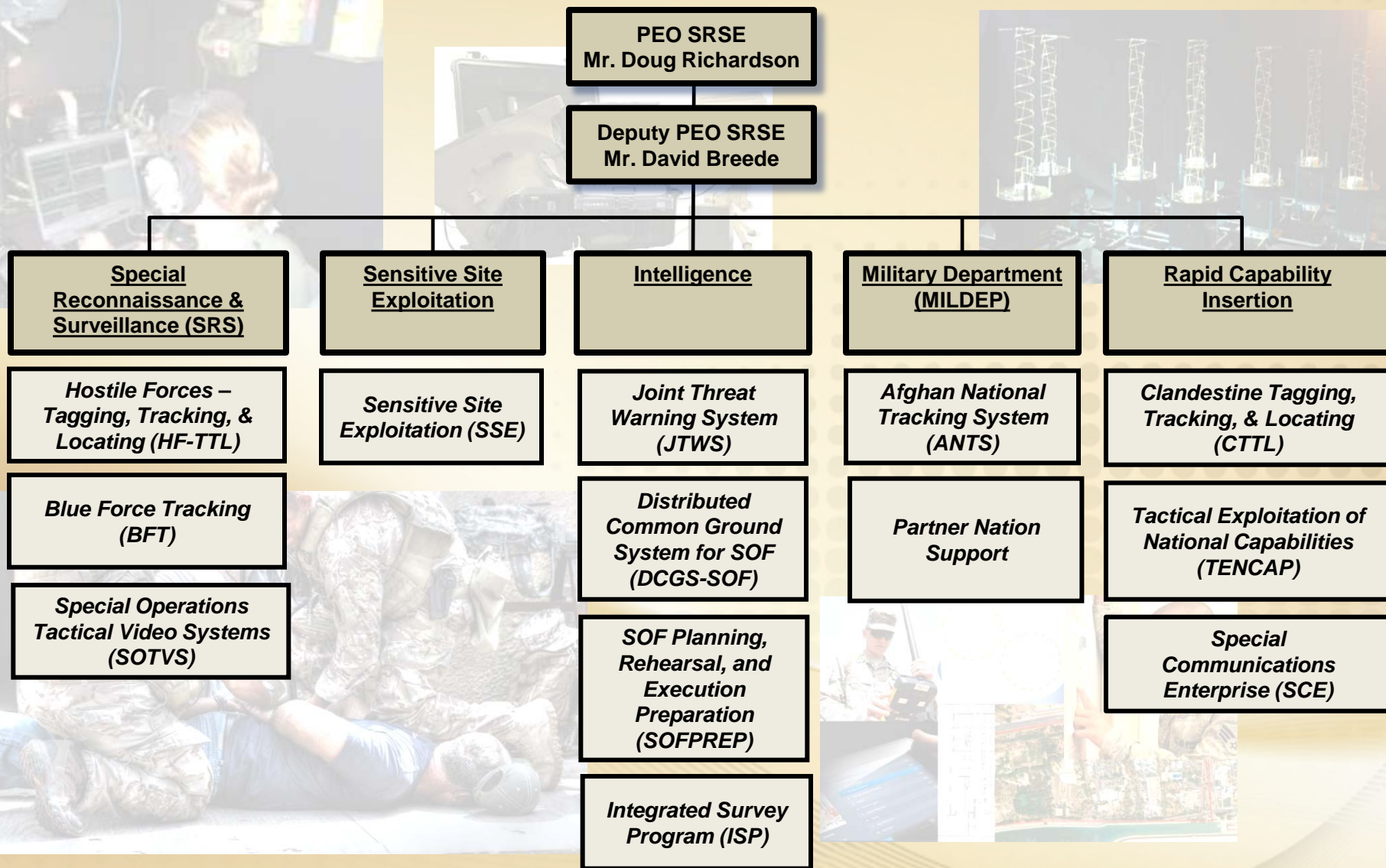
Tagging, Tracking, and Locating Special Reconnaissance



Tactical Exploitation of National Capabilities



SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION



SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION**PEO SRSE***Intelligence Preparation of the (Acquisition) Battlefield***Define The Environment**

- *Closing a Decade of War*
- *Iraq/Afghanistan to Global Outlook*
- *Unpredictable Stability*
- *Uncertain / Evolving Budget*

Opportunities

- *More Contact with Partner Nations*
- *Leverage Components; Government Labs;*
- *Industry*

Future Missions

- *Support to Foreign / Irregular Forces*
- *Tailor Portfolio Capabilities for Blue / Green / 'Other'*
- *Equip & Train Forces*
- *Transnational Organized Crime*



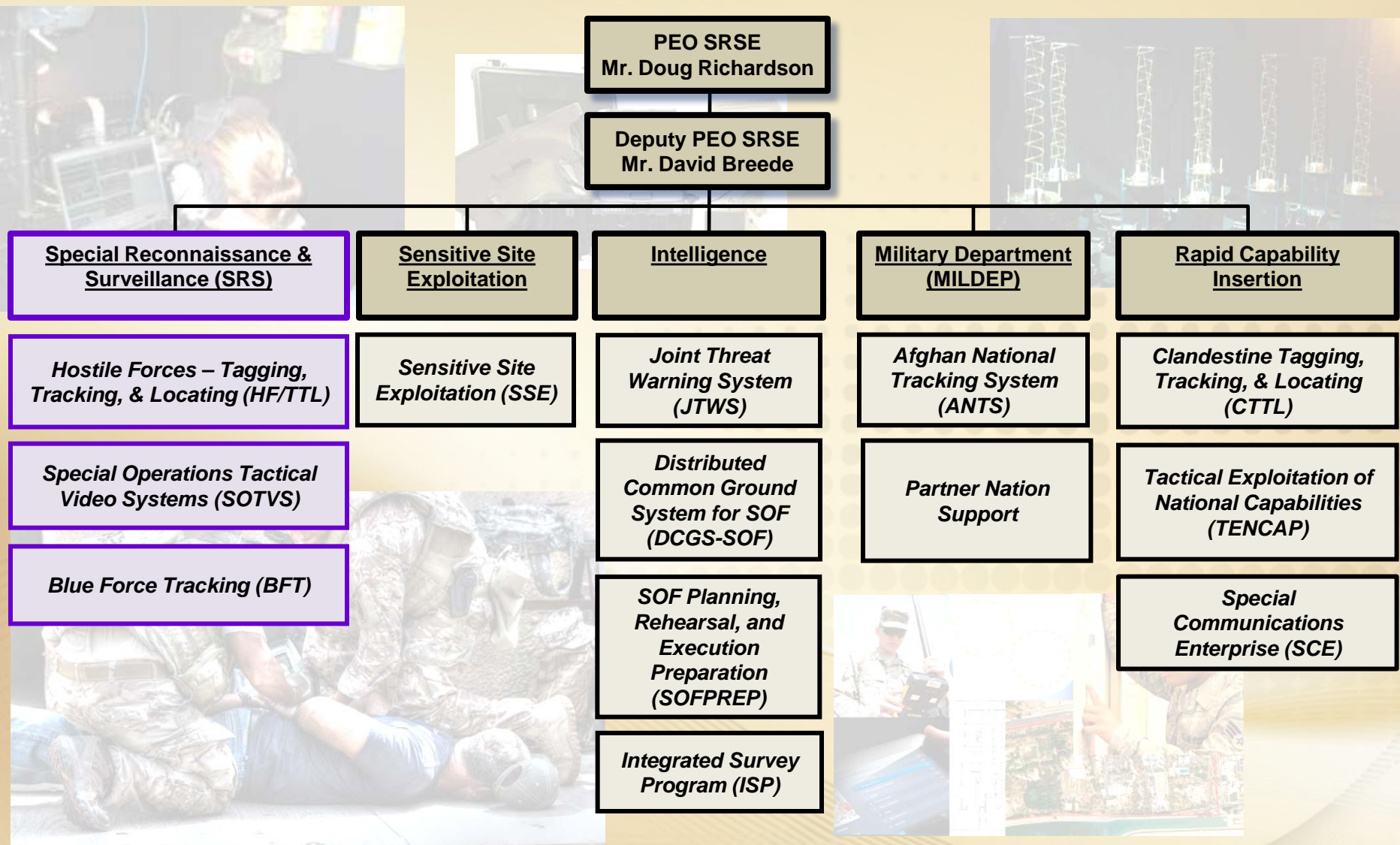
SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

SPECIAL RECONNAISSANCE & SURVEILLANCE



SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION

PROGRAM MANAGER SPECIAL RECONNAISSANCE & SURVEILLANCE



SPECIAL RECONNAISSANCE & SURVEILLANCE

SRS Priorities

- Size & Weight Reductions
- Modular / Multi-Use Components
- Technology Refresh

SRS Portfolio

- HF-TTL Mission Sets
- SOTVS Family of Systems
- BFT Family of Systems



FY15/16 Priority Efforts

- Enhanced Effectiveness of Passive Sensors
- Interoperability / Modularity

PROGRAM MANAGER

SPECIAL RECONNAISSANCE & SURVEILLANCE

HOSTILE FORCES / TAGGING, TRACKING, & LOCATING (HF/TTL)

- **Mission Set Fielding to Components**
 - Continuously Tailored; Catalogue Ordering
 - One/Two Annual Increments
- **Priorities**
 - Quick Reaction Capability (QRC)
 - Integration of TTL Payloads on Remote Piloted Vehicles
- **HF/TTL Portfolio:**
 - Tag/Track Kits
 - Audio Kits
 - Video Kits
 - Misc Tool Kits

ACQUISITION STRATEGY

- Commodity Procurement Project (CPP)

PERIOD OF PERFORMANCE

- Deliver Capability Within 90-Days to 1 Year of Award (Norm)
- QRC Delivers in 14 to 90 Days

MILESTONES

- Kit Selection Annually
- NET Continuously
- Technical Insertion to Maintain Relevancy

POINT OF CONTACT

- Technology & Industry Liaison Office
- TILO@SOCOM.mil
- 813-826-9482

FUNDING

<u>APPROP</u>	<u>FY15</u>	<u>FY16</u>
• O&M	\$20.7M	\$21.7M
• PROC	\$40.6M	\$23.1M
• RDT&E	\$ 0.7M	\$ 0.8M

CURRENT CONTRACT/OEM

- Multiple - Contact TILO

PROGRAM MANAGER

SPECIAL RECONNAISSANCE & SURVEILLANCE

SPECIAL OPERATIONS TACTICAL VIDEO SYSTEM (SOTVS)

- **Kits are Operationally Tailored**
 - Support Six Capability Areas
 - 24+ Variants
- **Priorities**
 - Enhanced Night / Obscured Operations
 - Component Interoperability
- **SOTVS Fielded Kits**
 - Tactical Video System
 - Remote Observation Post
 - Tactical Sensor
 - Unmanned/Unattended Sensors
 - Austere Location Force Protection

ACQUISITION STRATEGY

- Commodity Procurement Project (CPP)

PERIOD OF PERFORMANCE

- Deliver Capability Within 90-Days to 1 Year of Contract Award (Norm)

MILESTONES

- Kit Selection Annually
- NET Continuously
- Capital Equipment Replacement

POINT OF CONTACT

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FUNDING

<u>APPROP</u>	<u>FY15</u>	<u>FY16</u>
• O&M	\$19.4M	\$13.8M
• PROC	\$ 1.8M	\$ 1.8M
• RDT&E	\$ 0.4M	\$ 0.4M

CURRENT CONTRACT/OEM

- Multiple - Contact TILO

PROGRAM MANAGER

SPECIAL RECONNAISSANCE & SURVEILLANCE

BLUE FORCE TRACKER (BFT)

- **Development Effort:** Family of Devices that are Small; Lightweight; Employ Multiple Waveforms; & Self-Contained Transmitters
- **Priorities**
 - Multiple Waveform Support; Battery Life; Anti-Spoofing & MGUE Integration
 - Maximum Benefits Leveraging OGA Efforts
- **BFT Family of Devices**
 - Iridium Based
 - Low Probability of Intercept; Detection; & Exploitation

ACQUISITION STRATEGY

- Commodity Procurement Project (CPP)

PERIOD OF PERFORMANCE

- Varied

MILESTONES

- NET Continuously
- Capital Equipment Replacement

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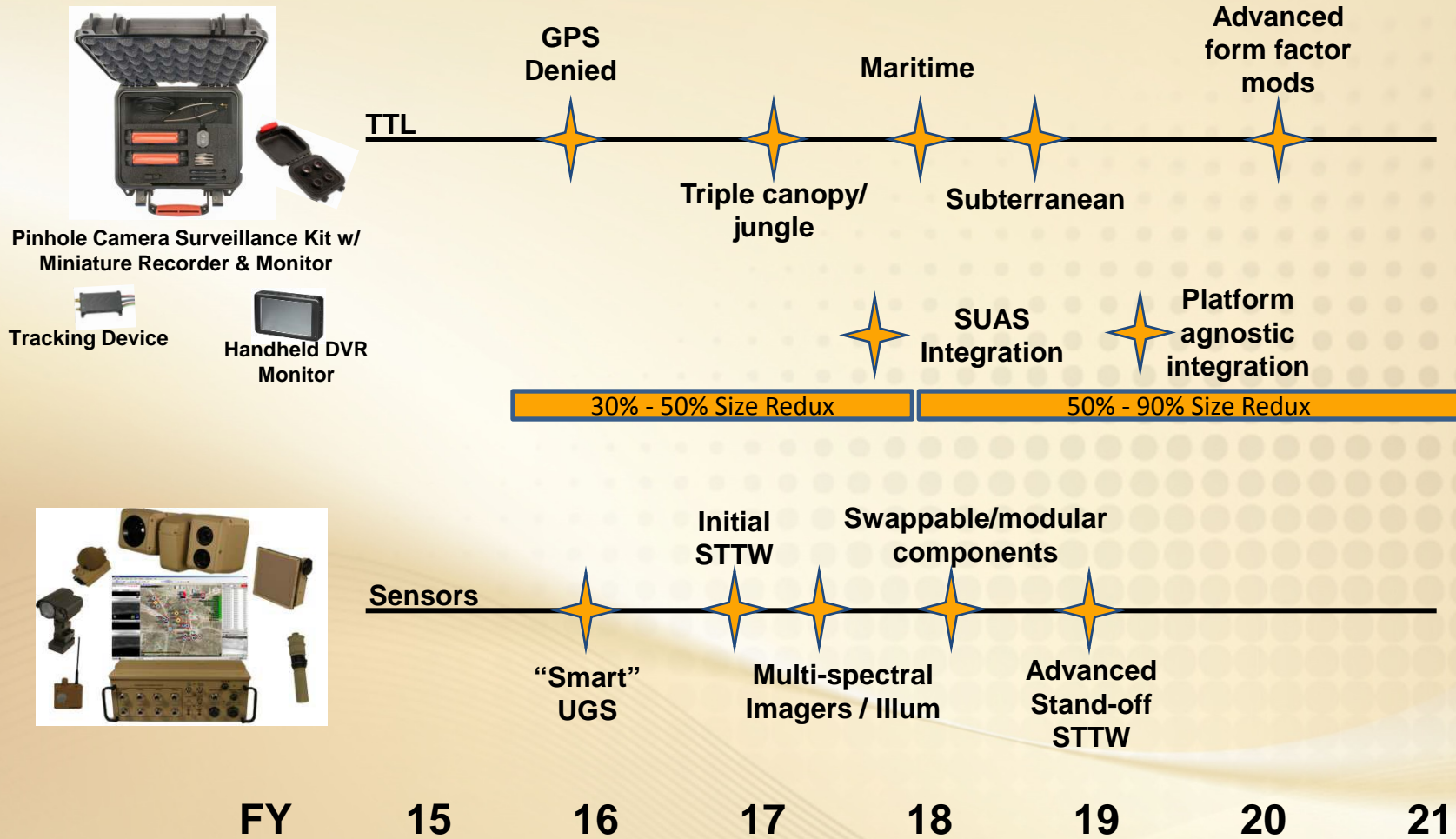
FUNDING

<u>APPROP</u>	<u>FY15</u>	<u>FY16</u>
• O&M	\$ 1.2M	\$ 2.0M
• PROC	\$ 3.7M	\$ 3.4M
• RDT&E	\$ 2.0M	\$ 1.0M

CURRENT CONTRACT/OEM

- Multiple – Leveraging OGAs

PROGRAM MANAGER SPECIAL RECONNAISSANCE & SURVEILLANCE





SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

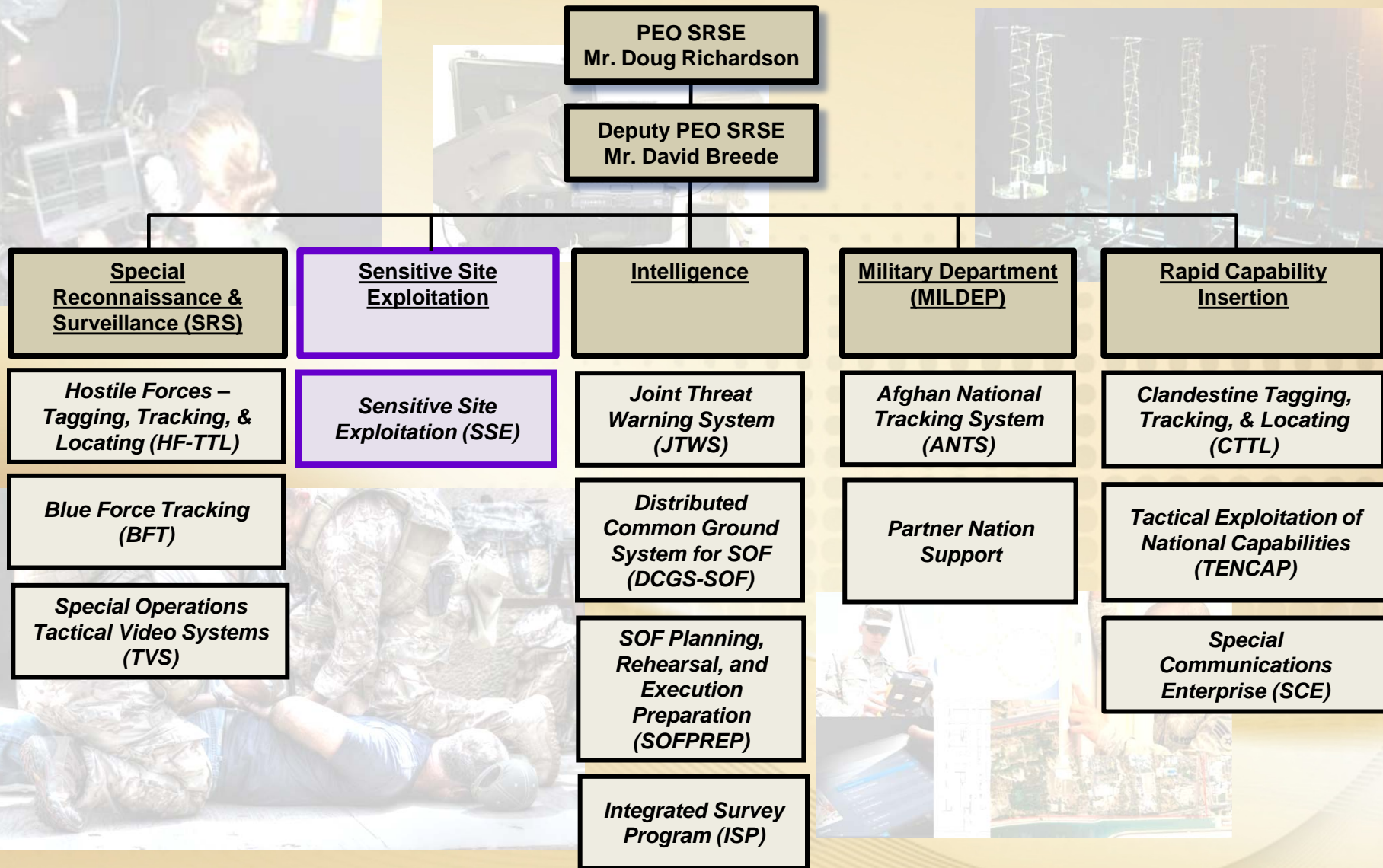
SENSITIVE SITE EXPLOITATION



SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION

PROGRAM MANAGER SENSITIVE SITE EXPLOITATION

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PROGRAM MANAGER SENSITIVE SITE EXPLOITATION

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SSE Priorities

- On Site Collection of Biometric Signatures to Verify/Enroll Subjects into DOD Authoritative Biometrics Database
- Provide Actionable Intelligence Thru the Rapid Detection; Collection; & Identification of Physical and Digital Forensic Evidence While on a Sensitive Site
- SSE Focus Areas in Development and/or Test:
 - Rapid DNA Field Testing
 - Two Systems Deployed Jan 2015
 - One Year Data Collection in Progress
 - Next Generation Tactical Document & Media Exploitation (DOMEX)
 - Tactical Forensics



*Northrop-Grumman BioSled
Fingerprint And Iris Imagers*



*AHURA
First Defender*



FY15/16 Priority Efforts

- Procure/Field Tactical Biometric Devices
- Provide Rapid DNA Data Collection Capability

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PROGRAM MANAGER

SENSITIVE SITE EXPLOITATION

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Sensitive Site Exploitation

- Provide Actionable Intelligence From A Sensitive Site
- Exploit Documents, Electronic Data, And Other Trace Materials
- Collect; Compare; and Transmit Unique, Measurable Biometric Signatures

ACQUISITION STRATEGY

- Commodity Procurement Project (CPP)

PERIOD OF PERFORMANCE

- Varied
- Sustain With Capital Equipment Replacement Program (CERP)
- Technical Refresh

MILESTONES

- Kit Selection: Annual
- User Testing: Bi-Annual
- Commodity Procurements: Annual
- New Equipment Training: Ongoing
- Fielding And Deployment: Ongoing

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FUNDING

<u>APPROP</u>	<u>FY15</u>	<u>FY16</u>
• O&M	\$ 8.5M	\$ 2.2M
• PROC	\$10.2M	\$12.8M
• RDT&E	\$ 0.0M	\$ 1.6M

CURRENT CONTRACT/OEM

- Multiple; Including Broad Agency Announcement H92222-14-BAA-SORDAC-SRSE

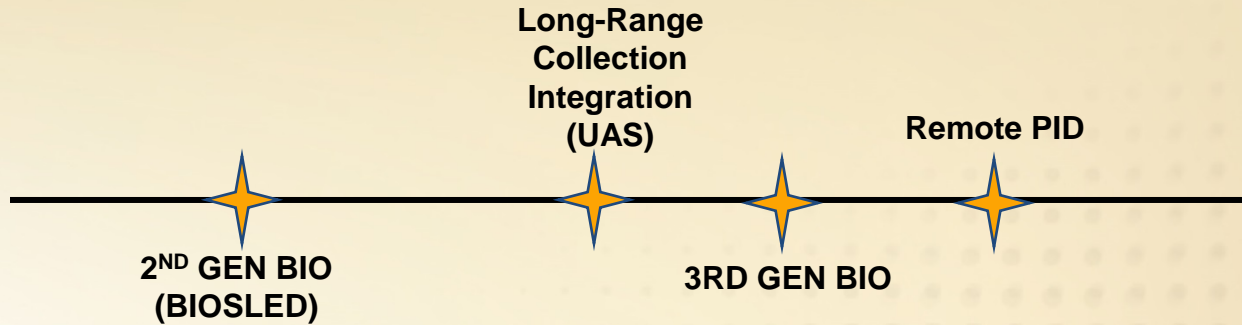
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PROGRAM MANAGER SENSITIVE SITE EXPLOITATION

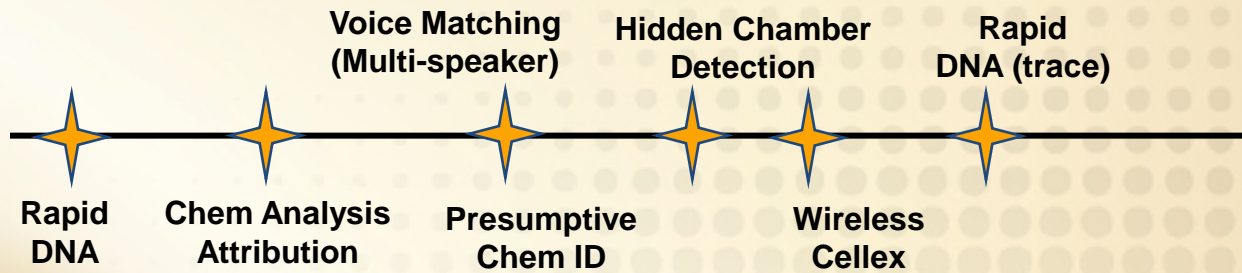
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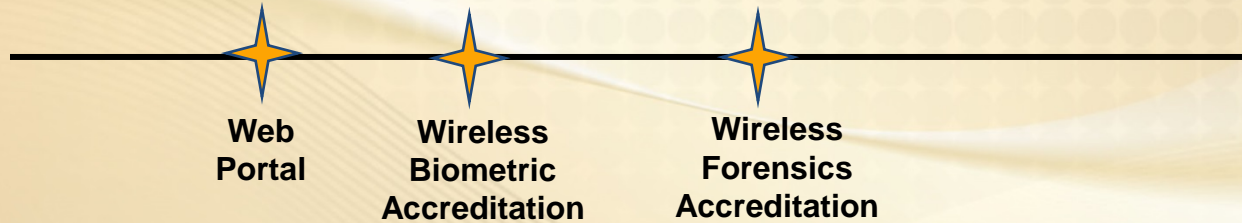
BIOMETRICS



FORENSICS



MOBILE OPERATIONS



FY 15 16 17 18 19 20 21



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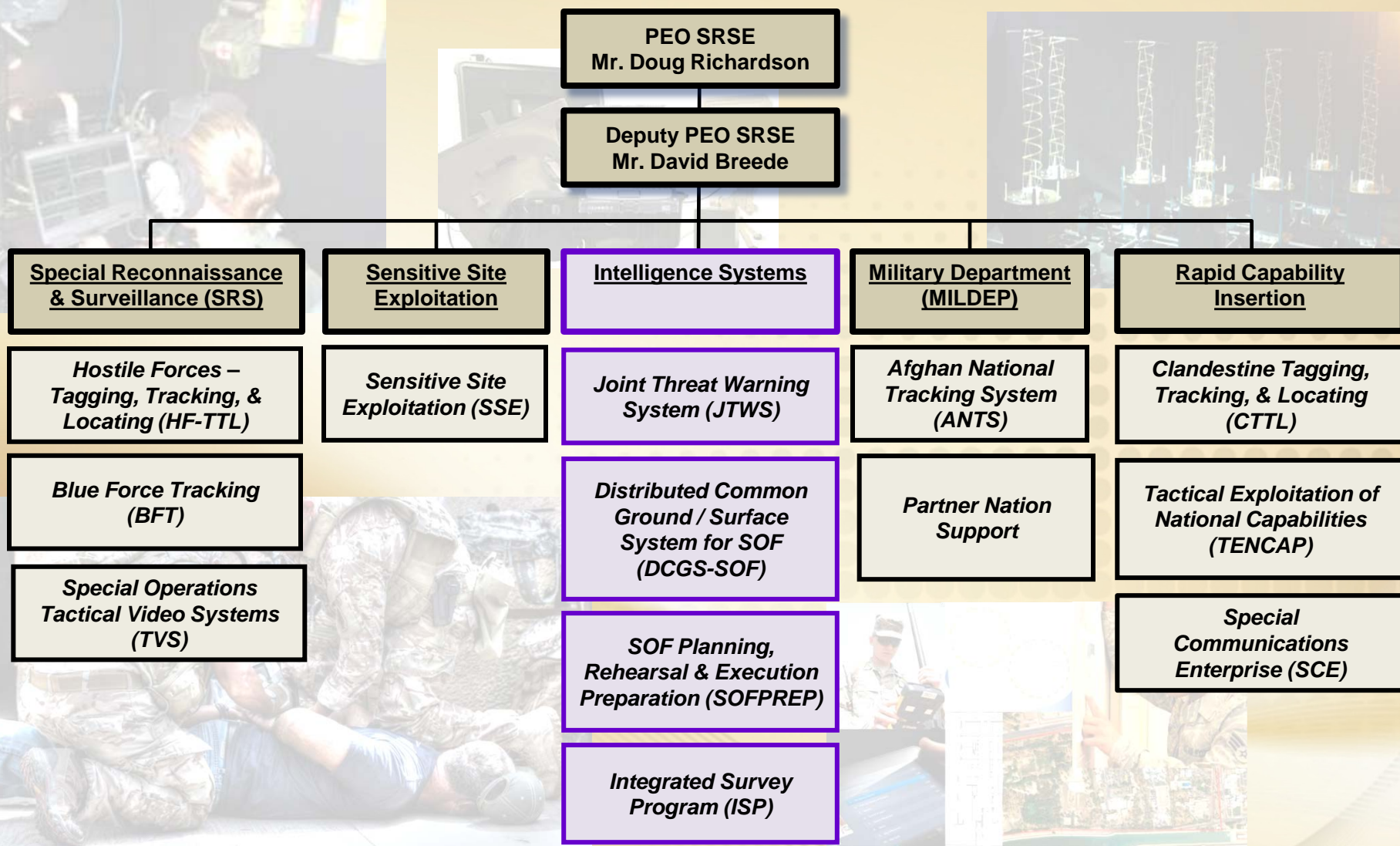
INTELLIGENCE SYSTEMS



SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION

PROGRAM MANAGER INTELLIGENCE SYSTEMS

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PROGRAM MANAGER INTELLIGENCE SYSTEMS

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SRSE Priorities

- **Integration & Interoperability of Capabilities to the Tactical Edge**
- **Rapid Fielding of Signals and Imagery Intelligence Systems for Tasking, Processing, Exploitation and Dissemination**

- **Joint Threat Warning System (JTWS)**
- **Distributed Common Ground/Surface System (DCGS)-SOF**
- **SOF Planning, Rehearsal & Execution Preparation (SOFPREP)**
- **Integrated Survey Program (ISP)**

FY15/16 Planned Efforts

- **Body-Worn Ground SIGINT Kit (GSK) for SOF Specific Missions**
- **All Source Analytical Environment – both Enterprise & Disconnected**

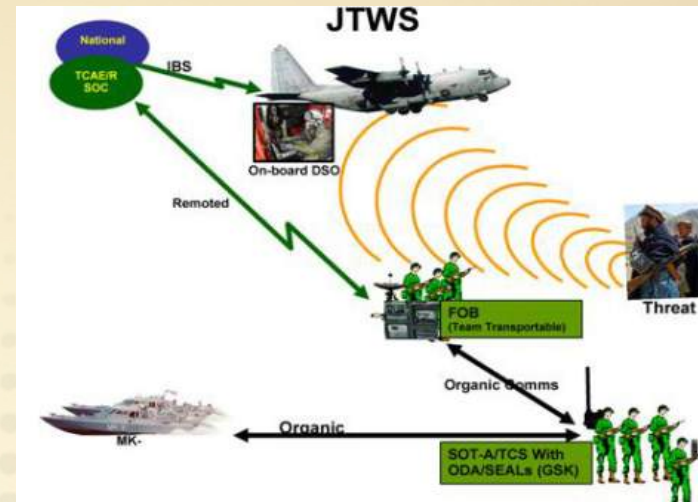
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PROGRAM MANAGER INTELLIGENCE SYSTEMS

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Joint Threat Warning System (JTWS)

- Program Of Record For Signals Intelligence (SIGINT) Systems Acquisition At USSOCOM
- Variants Include: Ground SIGINT Kit (Mobile/Body Worn And Static Configurations), Air, Precision Geo-location, And Maritime



ACQUISITION STRATEGY

- Evolutionary Strategy With Spiral Development to Insert Latest Technology into Variants

PERIOD OF PERFORMANCE

- Annually Fields Initial Systems, Capital Equipment Replacement, And Technology Insertions To Components

MILESTONES

- Fielding: Annually
- User Testing: Prior To Fielding
- New Equipment Tng: Continuously
- Fielding/Deployment: Continuously

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FUNDING

<u>APPROP</u>	<u>FY15</u>	<u>FY16</u>
• O&M	\$25.1M	\$24.0M
• PROC	\$30.1M	\$45.5M
• RDT&E	\$ 7.3M	\$ 4.3M

CURRENT CONTRACT/OEM

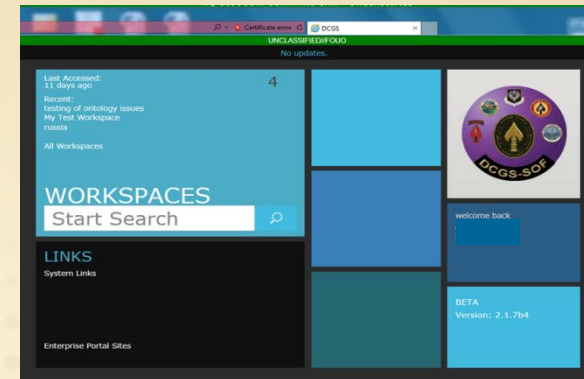
- Multiple

PROGRAM MANAGER INTELLIGENCE SYSTEMS

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Distributed Common Ground/Surface System (DCGS)-SOF

- An Architecture That Interconnects The Warfighter & Sensors To Find/Fix Enemy Combatants While Sharing Information Across the DCGS Enterprise
- Components: Enterprise, Garrison PED, Deployable PED, Tactical Systems Comprised of Signals Intelligence (SIGINT), Full Motion Video, All Source Information Fusion



ACQUISITION STRATEGY

- Evolutionary Strategy With Spiral Development To Insert Latest Technology Into Components

PERIOD OF PERFORMANCE

- Annually Fields Initial Systems, Capital Equipment Replacement, And Technology Insertions To Components

MILESTONES

- Enterprise, Milestone C
- FMV PED CPP
- SIGINT PED, CPP Process

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FUNDING

<u>APPROP</u>	<u>FY15</u>	<u>FY16</u>
• O&M	\$24.9M	\$26.7M
• PROC	\$17.3M	\$14.9M
• RDT&E	\$ 5.3M	\$ 5.3M

CURRENT CONTRACT/OEM

- Multiple

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PROGRAM MANAGER INTELLIGENCE SYSTEMS

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ACQUISITION

ACQUISITION

SOF Planning, Rehearsal & Execution Preparation (SOFPREP)

- Produces Enhanced Geospatial Intelligence (GEOINT) Data And 3D Scene Visualization Databases To Support SOF Mission Rehearsal and Execution Preparation
- Disseminates And Manages DoD's Most Comprehensive GEOINT Holdings



ACQUISITION STRATEGY

- Rapidly Insert New Technology
- Tailor & Extend IC, Service and Foreign Capabilities thru BAA
- Leverage SBIR, FCT and RIF

PERIOD OF PERFORMANCE

- Annually Field Software Updates
- Capital Equipment Replacement

MILESTONES

- Project Dependent

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FUNDING

<u>APPROP</u>	<u>FY15</u>	<u>FY16</u>
• O&M	\$ 6.1M	\$ 6.2M
• PROC	\$ 0.0M	\$ 0.3M
• RDT&E	\$ 0.0M	\$ 0.3M

CURRENT CONTRACT/OEM

- Production & Engineering Re-Compete in Late 2015 (SWMS)

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PROGRAM MANAGER INTELLIGENCE SYSTEMS

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ACQUISITION

ACQUISITION

Integrated Survey Program (ISP)

- Performs Comprehensive Technical Surveys Worldwide Where US Citizens or National Interests May be at Risk
- Produces Detailed Tactical Planning Data to Support SOF Operational Planners, Partner Nations, and the Intelligence Community



ACQUISITION STRATEGY

- Evolutionary Strategy to Identify & Insert Emerging Technologies Tailored to SOF User-Defined Mission Requirements

PERIOD OF PERFORMANCE

- Annually Field Software Updates
- Capital Equipment Replacement

MILESTONES

- Project Dependent

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FUNDING

<u>APPROP</u>	<u>FY15</u>	<u>FY16</u>
• O&M	\$ 1.2M	\$ 1.2M
• PROC	\$ 0.0M	\$ 1.3M
• RDT&E	\$ 0.3M	\$ 0.1M

CURRENT CONTRACT/OEM

- Application Management Support Re-Compete in 2016 (SITEC)

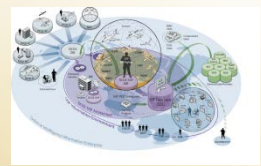
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PROGRAM MANAGER INTELLIGENCE SYSTEMS

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JTWS



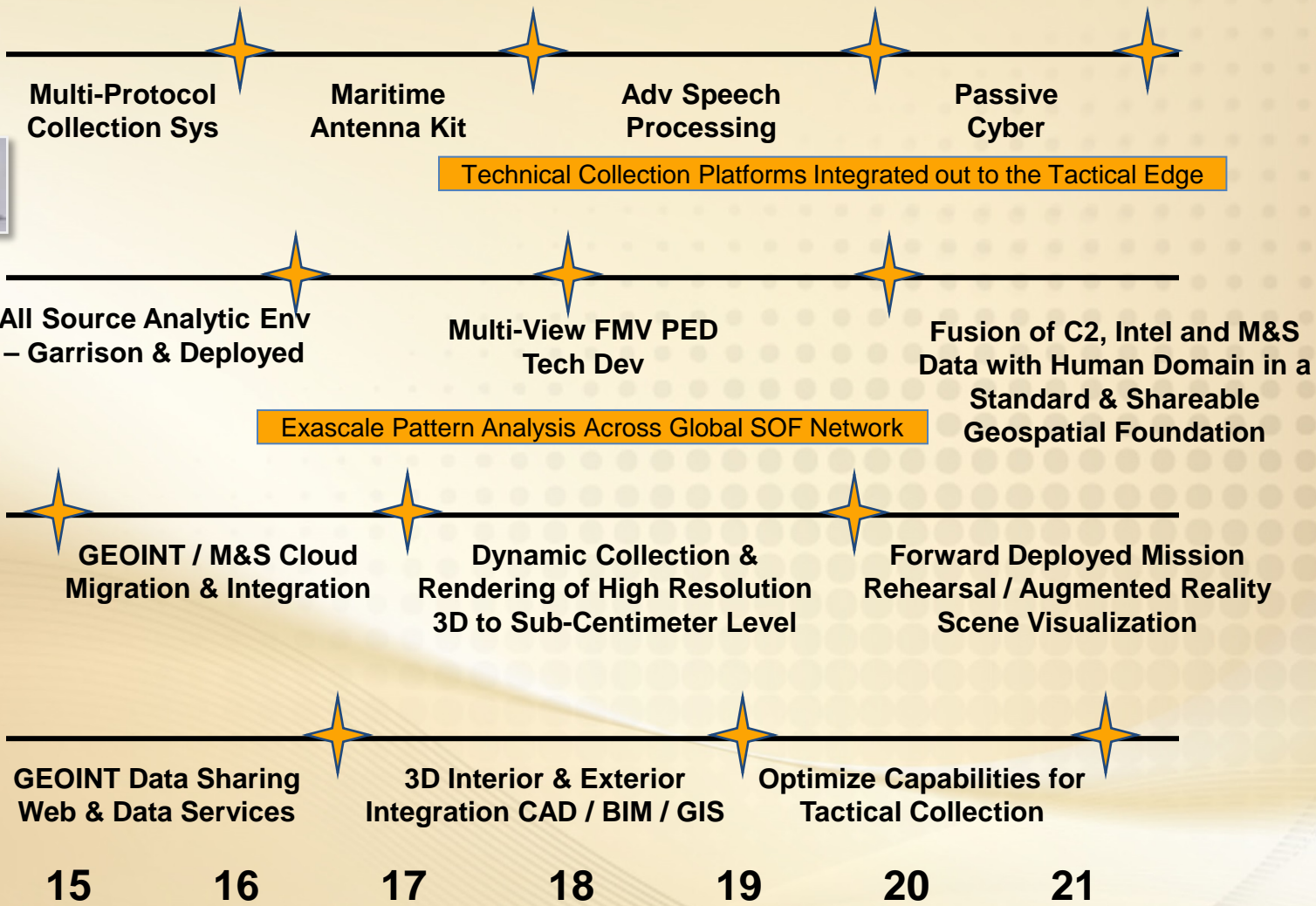
DCGS-SOF



SOFPREP



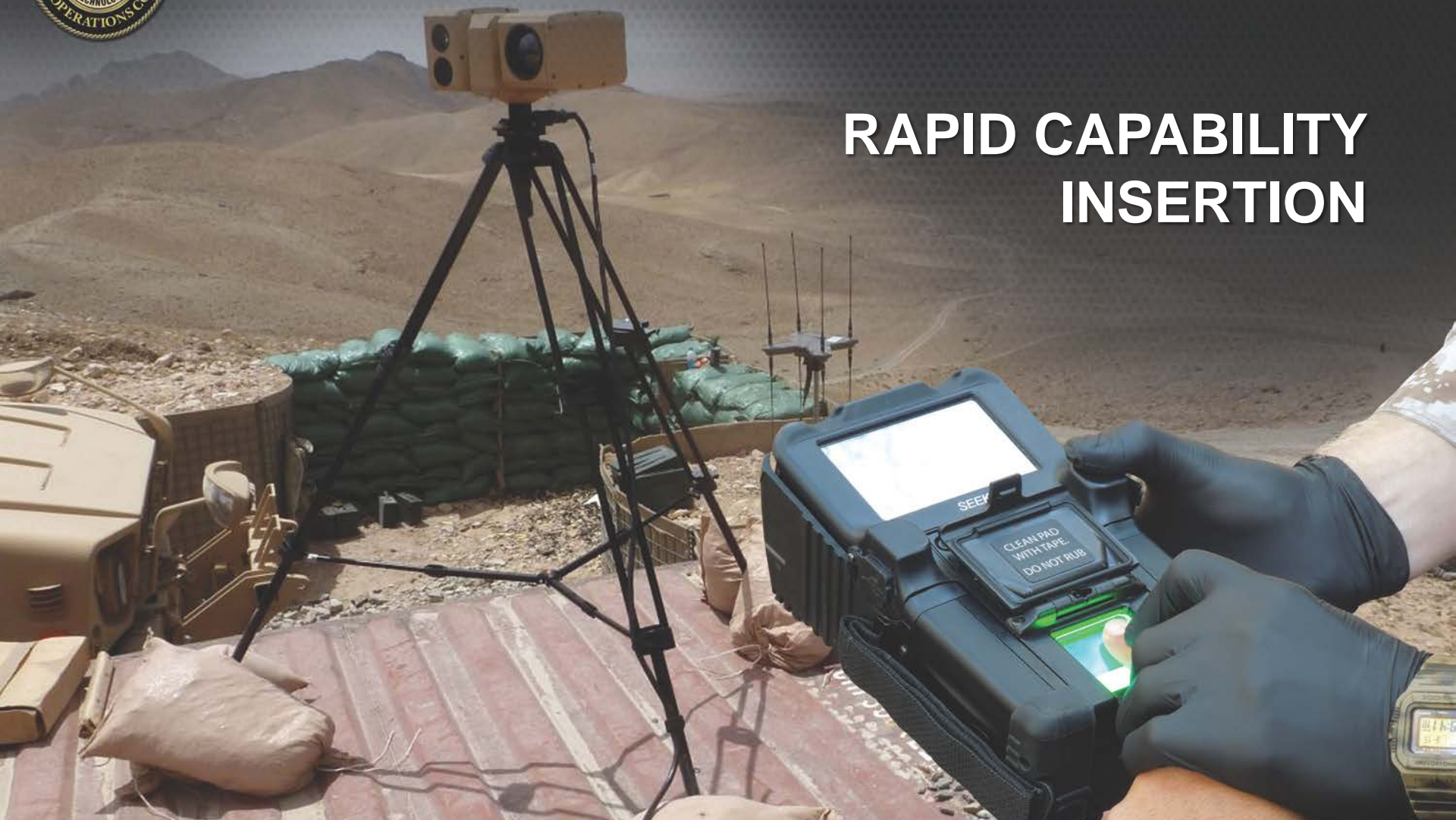
ISP





SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

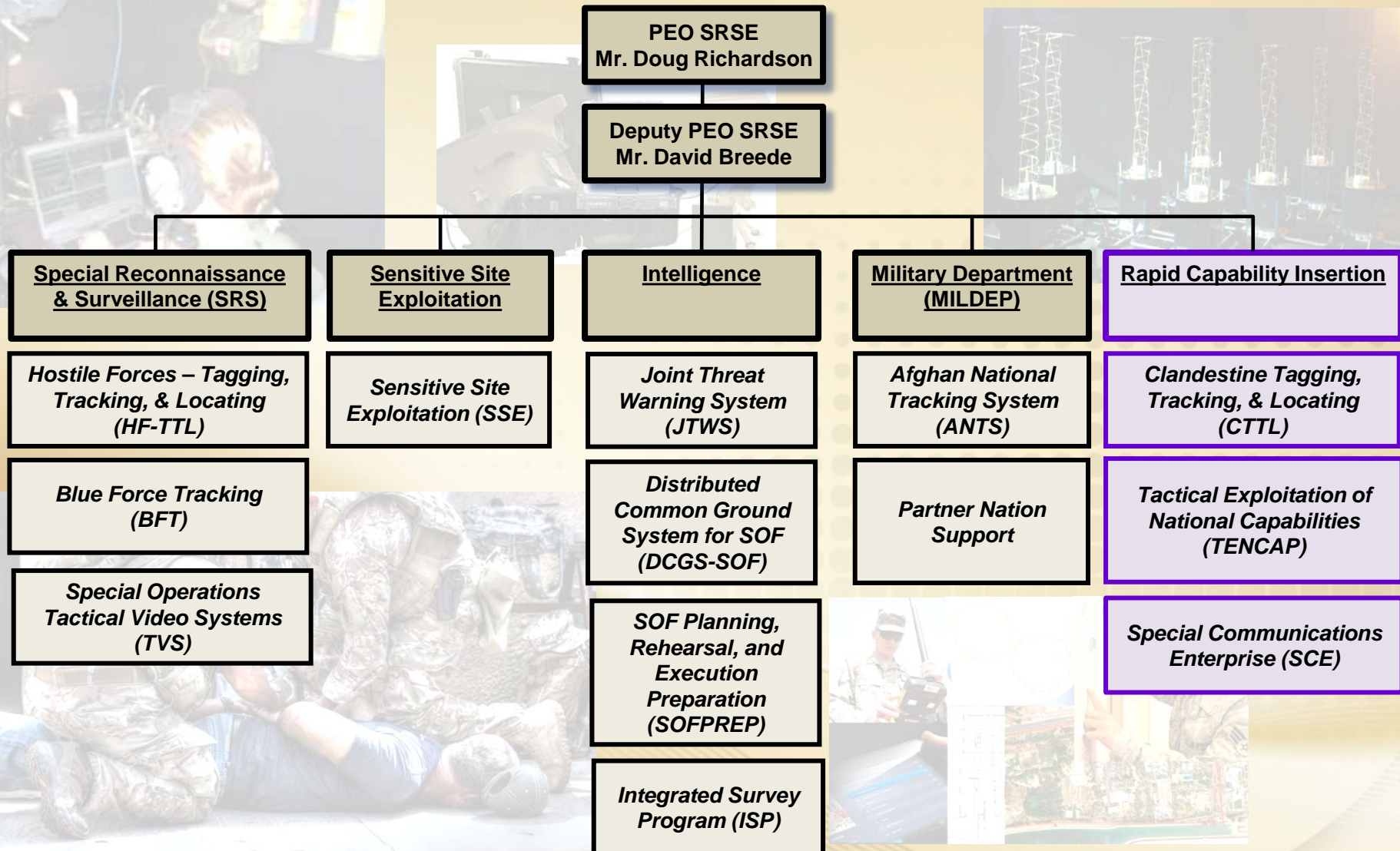
RAPID CAPABILITY INSERTION



SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION

PROGRAM MANAGER RAPID CAPABILITY INSERTION

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PROGRAM MANAGER

RAPID CAPABILITY INSERTION

Clandestine Tagging Tracking And Locating (CTTL):

Develops And Prototypes Innovative TTL Capabilities and Novel Reconnaissance Devices Through Applied Research And Development (R&D)

Tactical Exploitation Of National Capabilities (TENCAP):

Serves As The Command's TENCAP Office And Leverages Existing And Future Space-Related Technologies

Special Communications Enterprise (SCE):

Designs, Develops And Acquires Non-Traditional Communications Capabilities Addressing Requirements For Sensitive SOF Missions



ACQUISITION STRATEGY

- Rapid Prototyping, Technology Demonstrations, Combat Evaluations

PERIOD OF PERFORMANCE

- Project Dependent: Focus On 12-18 Month Project Development Cycle

MILESTONES

- Project Dependent

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FUNDING

<u>APPROP</u>	<u>FY15</u>	<u>FY16</u>
• O&M	\$ 3.8M	\$ 6.8M
• PROC	\$ 1.2M	\$ 3.0M
• RDT&E	\$31.4M	\$35.2M

CURRENT CONTRACT/OEM

- Project Dependent



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION



SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION

SPECIAL RECONNAISSANCE, SURVEILLANCE, AND EXPLOITATION**Final Thoughts:**

- **Our Focus Is On Delivering Capability**
 - **Many Requirements Rely on Rapid Execution**
 - ***Integration of COTS, NDI – Focus IR&D***
- **Leverage All of Your Entry Points**
 - **PM RCI/S&T Broad Area Announcement**
 - **Team With Other Industry Partners**
 - **Work Directly With Our DoD/OGA Partners**
- **Be Responsive to Small Efforts – *Transition Opportunities***
- **Take Advantage of Access This Week**