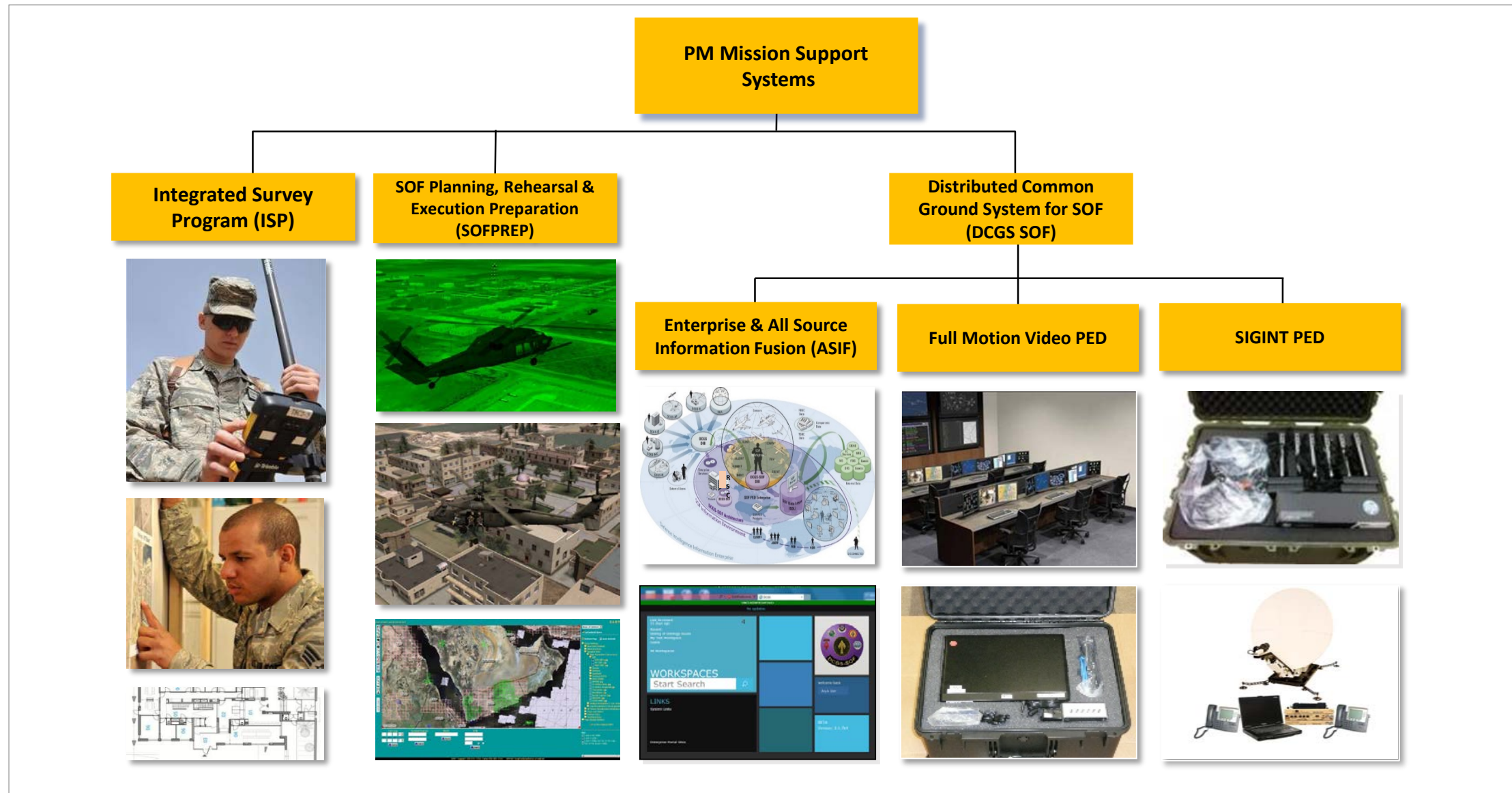# SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE
Win • Transform • People

Mr. Vincent Grizio *Program Manager*

MISSION SUPPORT SYSTEMS (MSS)

Program Manager
Mission Support Systems

DISTRIBUTION A: APPROVED FOR PUBLIC RELEASE

Program Manager
Mission Support Systems

Multi-INT Capabilities for Operational Intelligence:

- Integration & Interoperability to the Tactical Edge

- Agile Acquisition of Emerging Technologies

Priorities:

- Fielding of Advanced Analytics & Union Dagger

- Solutions Framework for Data Exploitation

MSS Portfolio:

- Integrated Survey Program

- SOF Planning Rehearsal & Execution Preparation

- DCGS-SOF Enterprise & ASIF

- Full Motion Video PED

- SIGINT PED

- Data Management and Exploitation

ACQUISITION STRATEGY	PERIOD OF PERFORMANCE	MILESTONES
• Partner with National Mission Forces, IC community, Services, SOF C4 and industry partners • Agile development	• Multi year support contracts • HW QRC Deliveries in 14 to 90 Days	• Periodic program reviews • Technology insertions to field emerging capabilities

POINT OF CONTACT	FUNDING			CURRENT CONTRACT/OEM
• Technology & Industry Liaison Office • TILO@SOCOM.mil • 813-826-9482	**APPROP**	**FY18**	**FY19**	• Multiple: HW, SW, IT, Technical Management Support • Foreign Comparative Test (FCT) • SBIR, Rapid Innovation Fund
	• O&M	$57.22M	$49.32M	
	• PROC	$11.57M	$21.70M	
	• RDT&E	$6.19M	$10.07M	

Integrated Survey Program (ISP)

Description:

- CJCS CONPLAN support to Special Operations Forces.
- Conducts surveys for contingency planning and crisis response.
- Surveys U.S. Facilities and other interests abroad.

Operational Mission:

- Field Survey Collection and Production
- Dissemination to garrison and deployed to all DoD SOF, conventional forces and interangency.
- Data Sharing with Coalition Partners

Milestones:

- Mobile application for distributed data management.
- Ongoing test and evaluation of ISP tools to speed collection.
- Enterprise GIS data services.

SOF Planning, Rehearsal & Execution Preparation (SOFPREP)
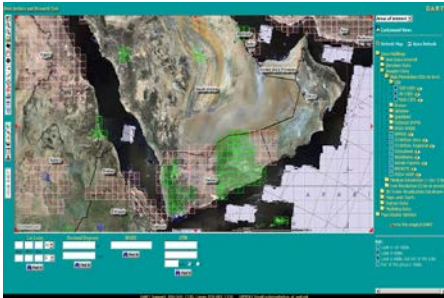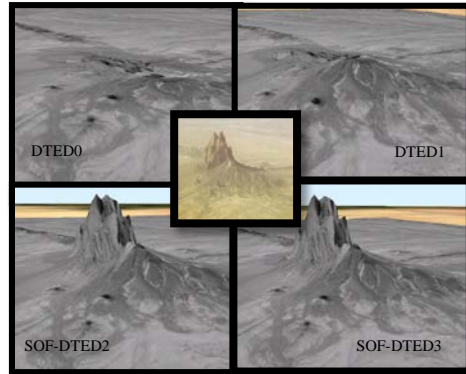
Description:

- **Produces Enhanced GEOINT (maps, imagery, and terrain data) and 3D Scene Visualization Databases**
- **Manages SOCOM's most comprehensive repository of SOF-common geospatial Data**
- **Database support for Component Simulators, JTAC Training Rehearsal Systems, Mission Planning, Virtual Mission Rehearsal, Gaming Engines and 3D Globes**

Operational Mission:

- **Garrison system for Geospatial-Intelligence Data Processing, Exploitation and Dissemination**
- **Operational Intelligence support for Mission Rehearsal and Planning**

Milestones:

- **HPC Infrastructure Modernization FY19**
- **Re-compete Database Production FY19**
- **Rapid, Iterative Prototyping of Emerging Capabilities for GEOINT PED Automation**

DCGS SOF Enterprise/All Source Information Fusion

Description:

- The Enterprise provides infrastructure and processing capability to allow for worldwide SOF intelligence information sharing
- All Source Information Fusion will provide the intelligence analytical tools via a global and disconnected architecture

Operational Mission:

- Part of a family of systems providing Intelligence, Surveillance, and Reconnaissance (ISR) Processing, Exploitation, and Dissemination (PED) and analytical capabilities at the Joint Task Force level and below
- Interconnect the warfighter and sensors to find and fix High Value Targets of interest
- Provide a network-enabled interoperable construct allowing continual unimpeded sharing of intelligence data, information and services

Milestones:

- User evaluation of All-Source Analytical Environment capability
- Pivot to OGA All-Source Advanced Analytical Environment platform

Full Motion Video Processing, Exploitation & Dissemination

Description:

- **Provides PED capabilities in garrison and deployed tactical environments from airborne/national imagery overhead collection sensors and intelligence databases**
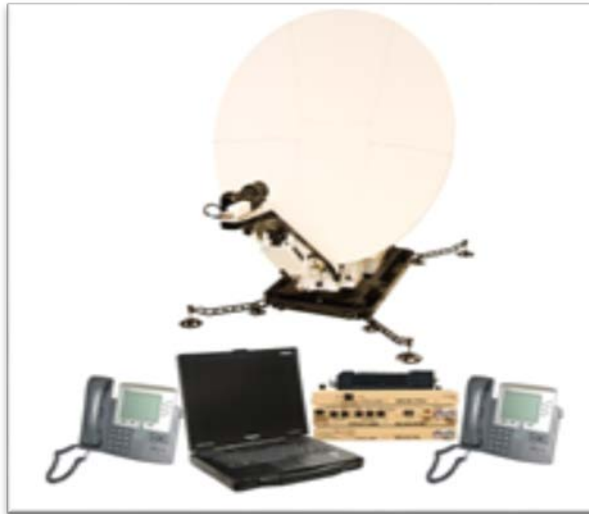
Operational Mission:

- **Intelligence processing of collected data from various manned and unmanned ISR platforms & sensors**
- **Near-real-time find-fix-finish-exploit-analyze (F3EA) intelligence operations on a 24/7/365 basis at all levels of warfare (Strategic, Operational, Tactical)**

Milestones:

- **Full Rate Production Decision, Sept 2012**
- **Geospatial Intelligence Imagery Processing, Exploitation, and Dissemination CPD rev 2.0 signed July 2018**
- **Delivered hardware to support 11th SOIS increase in mission capacity**
- **Initial fielding of Deployable and Tactical PED systems to Components and TSOCs**
- **Participate in Trident SPECTRE 18**

Silent Dagger Processing, Exploitation & Dissemination

Description:

- **Provides Signals Intelligence (SIGINT) exploitation capability in both garrison and deployable environments**
- **Silent Dagger has fielded garrison workstations and deployable nodes**
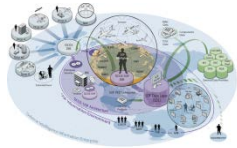
Operational Mission:

- **Provides SOF SIGINT elements a robust, organic, scalable capability for garrison and tactical SIGINT Processing, Exploitation and Dissemination**
- **Interconnect the warfighter and sensors to find and fix High Value Targets of interest**
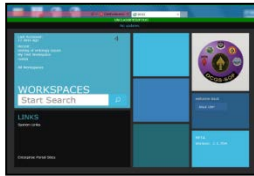
Milestones:

- **Milestone C, Feb 2011**
- **Program Parameter Change Dec 2014**
- **Fielded first Deployable SDv3 system upgrade**
- **Completed partial CERP of component hardware**

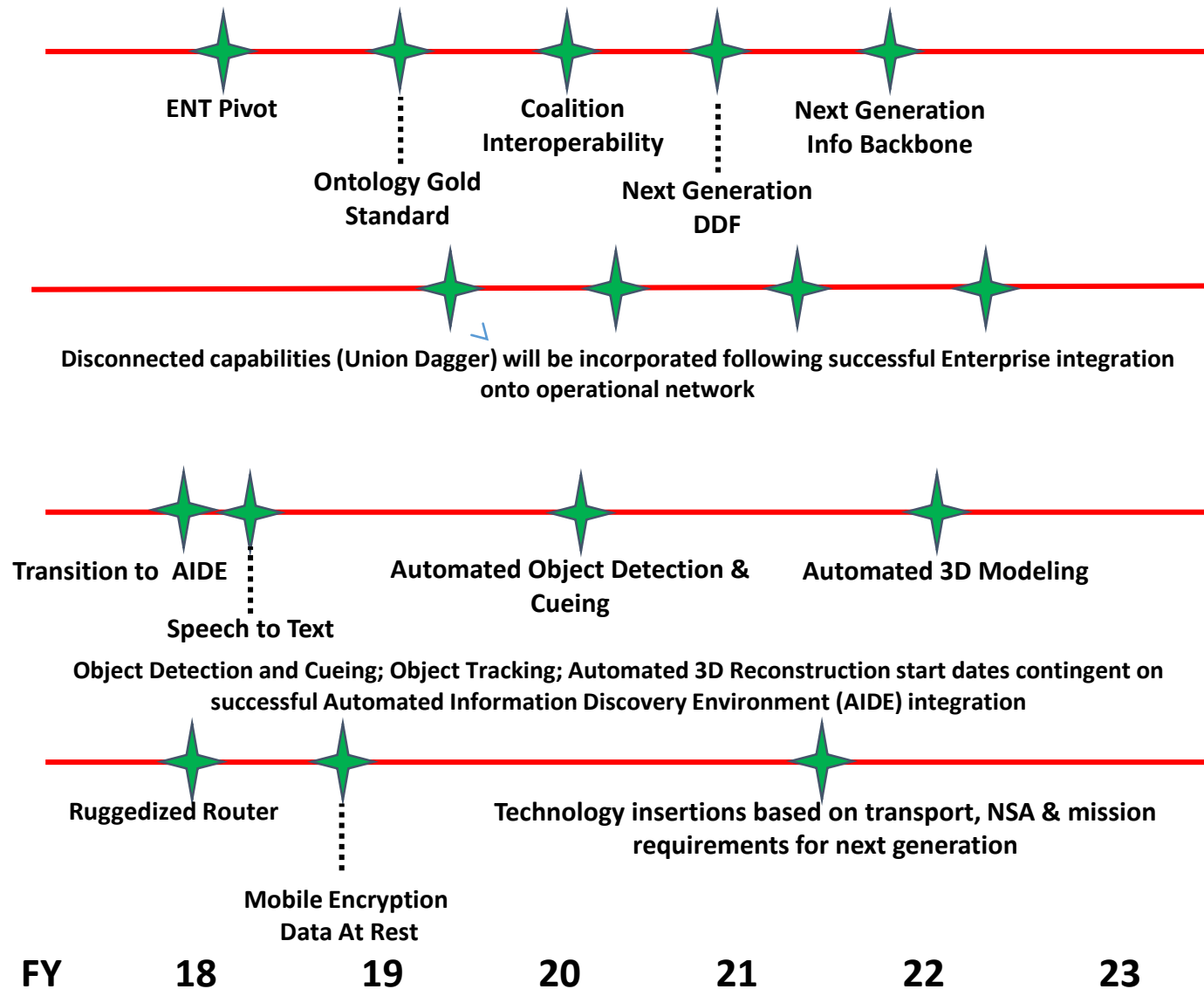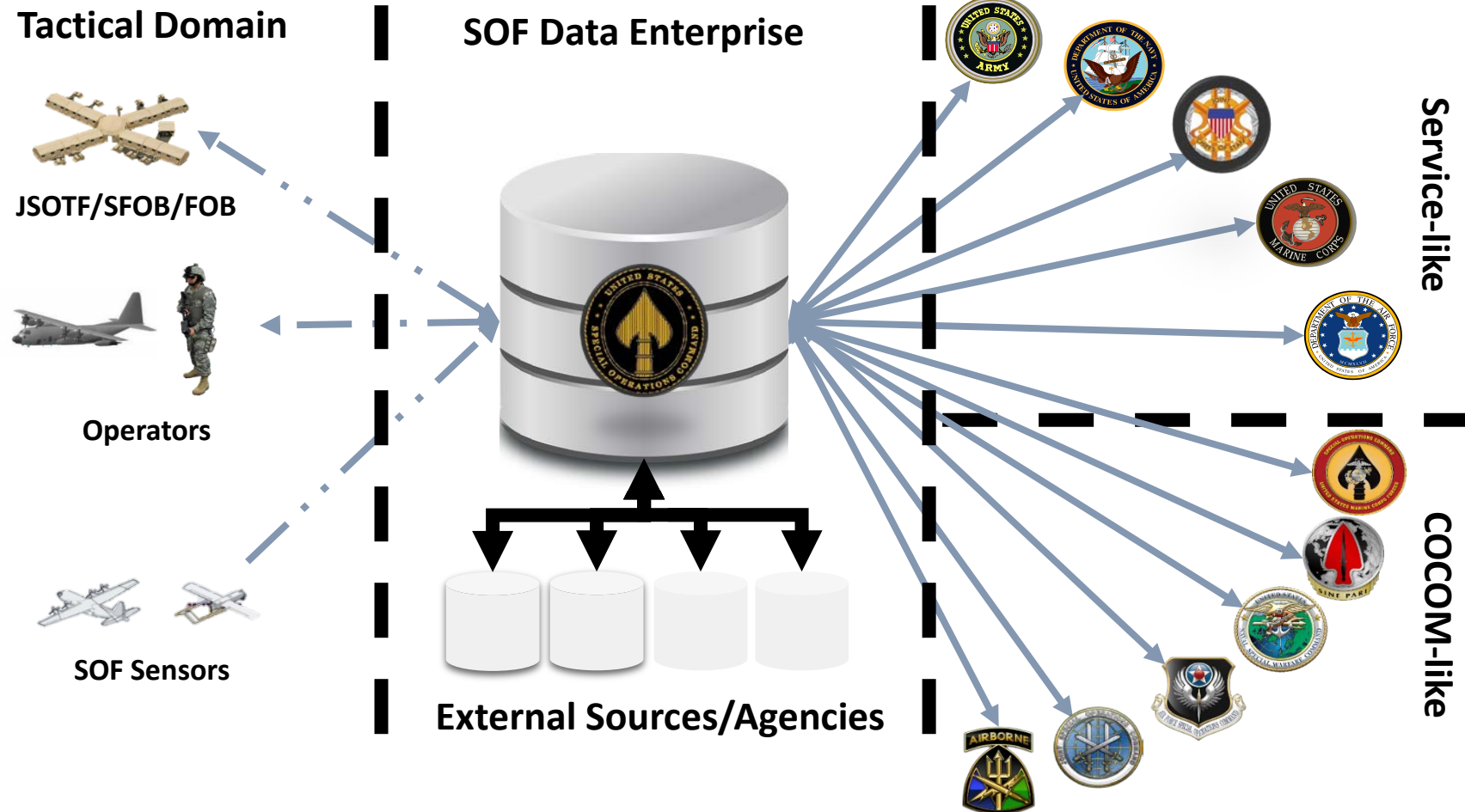# Mission Support Systems DCGS Technology Insertion Roadmap

Enterprise

ENT Pivot

Ontology Gold Standard

Coalition Interoperability

Next Generation DDF

Next Generation Info Backbone

Union Dagger

Disconnected capabilities (Union Dagger) will be incorporated following successful Enterprise integration onto operational network

FMV PED

Transition to AIDE

Speech to Text

Automated Object Detection & Cueing

Automated 3D Modeling

Object Detection and Cueing; Object Tracking; Automated 3D Reconstruction start dates contingent on successful Automated Information Discovery Environment (AIDE) integration

Silent Dagger

Ruggedized Router

Mobile Encryption Data At Rest

Technology insertions based on transport, NSA & mission requirements for next generation

FY   18   19   20   21   22   23

Data Management and Exploitation Concept

Operational View

Tactical Domain

SOF Data Enterprise

JSOTF/SFOB/FOB

Operators

SOF Sensors

External Sources/Agencies

Service-like

COCOM-like

Data Management and Exploitation Concept

Global SOF Information Exchange
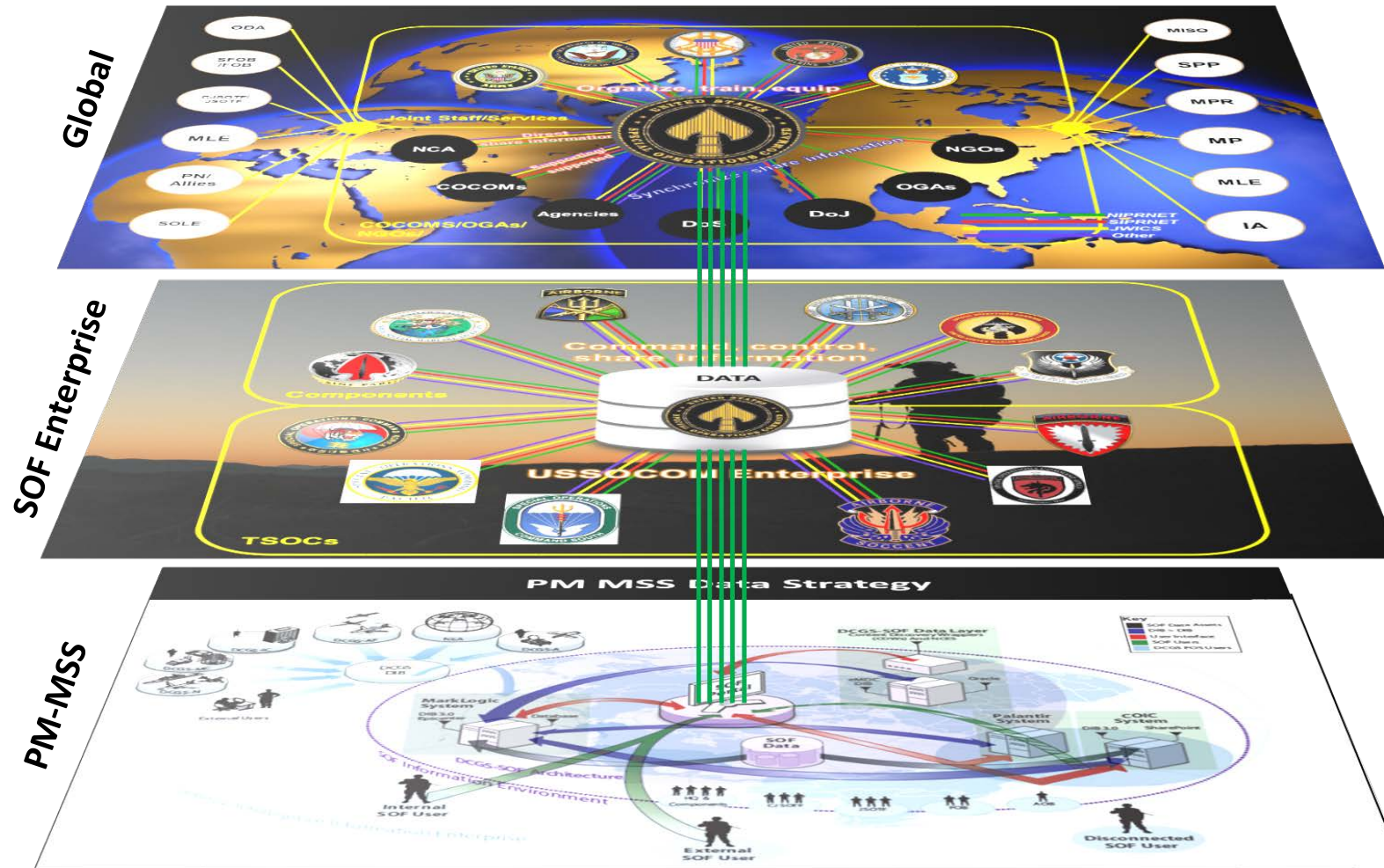
Capability Insertion Opportunities

- Integration & Fielding of Advanced Analytics

- Solutions Framework for Data Management and Exploitation

- FMV PED Automation and Analysis, Incorporate Machine Learning and AI Capabilities

- Partner with Academia, National Labs and OGA on Technology Insertion Points

- Modernization of HPC Infrastructure for Imagery Processing and 3D Data Production

- Standards & Interoperability across Systems

- SRSE BAA, Exercise Participation, SOFWERX Event, TILO Discussions