SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Win • Transform • People

Mr. Vincent Grizio Program Manager

MISSION SUPPORT SYSTEMS (MSS)
Program Manager
Mission Support Systems

PM Mission Support Systems

Integrated Survey Program (ISP)

SOF Planning, Rehearsal & Execution Preparation (SOFPREP)

Distributed Common Ground System for SOF (DCGS SOF)

Enterprise & All Source Information Fusion (ASIF)

Full Motion Video PED

SIGINT PED
**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

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<th>ACQUISITION STRATEGY</th>
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<tr>
<td>• Partner with National Mission Forces, IC community, Services, SOF C4 and industry partners</td>
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<td>• Agile development</td>
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<th>PERIOD OF PERFORMANCE</th>
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<td>• Multi year support contracts</td>
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<td>• HW QRC Deliveries in 14 to 90 Days</td>
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<th>MSS Portfolio:</th>
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<tr>
<td>• Integrated Survey Program</td>
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<td>• SOF Planning Rehearsal &amp; Execution Preparation</td>
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<tr>
<td>• DCGS-SOF Enterprise &amp; ASIF</td>
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<tr>
<td>• Full Motion Video PED</td>
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<td>• SIGINT PED</td>
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<td>• Data Management and Exploitation</td>
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<th>POINT OF CONTACT</th>
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<tbody>
<tr>
<td>• Technology &amp; Industry Liaison Office</td>
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<tr>
<td>• <a href="mailto:TILO@SOCOM.mil">TILO@SOCOM.mil</a></td>
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<tr>
<td>• 813-826-9482</td>
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<th>MILESTONES</th>
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<tr>
<td>• Periodic program reviews</td>
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<td>• Technology insertions to field emerging capabilities</td>
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<th>CURRENT CONTRACT/OEM</th>
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<tr>
<td>• Multiple: HW, SW, IT, Technical Management Support</td>
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<td>• Foreign Comparative Test (FCT)</td>
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<td>• SBIR, Rapid Innovation Fund</td>
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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 interagency.
- 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

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Mission Support Systems DCGS Technology Insertion Roadmap

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

- **FY 18:** Transition to AIDE
- **FY 19:** Automated Object Detection & Cueing
- **FY 20:** Automated 3D Modeling
- **FY 21:** Object Detection and Cueing; Object Tracking; Automated 3D Reconstruction
- **FY 22:** Ruggedized Router
- **FY 23:** Mobile Encryption Data At Rest

Technology insertions based on transport, NSA & mission requirements for next generation.
Data Management and Exploitation Concept

Operational View

Tactical Domain
- JSOTF/SFOB/FOB
- Operators
- SOF Sensors

SOF Data Enterprise

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