SPECIAL OPERATIONS FORCES ACQUISITION, TECHNOLOGY, & LOGISTICS

Campaigning with Partners for Integrated Deterrence

LtCol Shelton Richards, Program Manager

MILITARY INFORMATION SUPPORT OPERATIONS (MISO)

SOF AT&L

MILITARY INFORMATION SUPPORT OPERATIONS (MISO)

STRATEGIC:

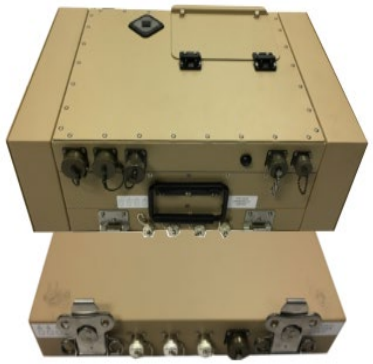
- Planned operations to convey selected information and indicators to foreign audiences to influence their emotions, motives, objective reasoning, and ultimately the behavior of foreign governments, organizations, groups, and individuals
- Purpose of psychological operations is to induce or reinforce foreign attitudes and behavior favorable to United States' objectives.

TACTICAL:

- Enemy Combatants: Deceive, confuse, disrupt and demoralize adversaries with the aim towards weakening enemy resistance or causing enemy forces to surrender
- Enemy Population: Winning hearts and minds of adversarial citizens

MILITARY INFORMATION SUPPORT OPERATIONS (MISO)

FLY-AWAY BROADCAST SYSTEM



NEXT GENERATION LOUDSPEAKER SYSTEM

MISO-PRINT

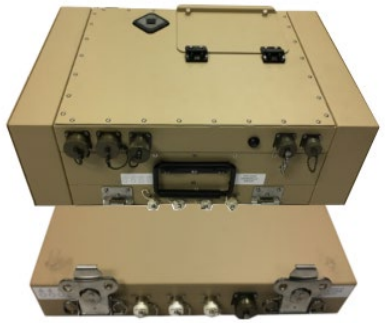
MEDIA PRODUCTION CENTER

PM MISO FUNDING

	FY22	FY23
RDTE	$3.17M	$5.37M
PROC	$0.18M	$3.09M

FLY AWAY BROADCAST SYSTEM (FABS)

- A modular and highly-deployable radio (FM), television (TV), and SMS (cellular) broadcasting system able to transmit on a wide range of frequencies and spectrums to include FM, SW, TV VHF, TV UHF, cellular and in both digital and analog formats
- FABSv3 replacement is the Broadcast Dissemination Platform (BDP) which will include new Heavy, Medium, and Man-Pack variants built on a Software Defined Radio common core baseline
- Technology Interest Areas: UAV Broadcast Payload, UAV Swarm Broadcast Payload, SAT Radio Broadcast, and 3G/4G/5G Cellular dissemination



FABS V3 CORE SYSTEM

ACQUISITION STRATEGY

- Evolutionary Acquisition through Incremental Development

PERIOD OF PERFORMANCE

- Various

MILESTONES

- FABS V3: Apr 2019 CF&DR
- BDP: FY22- L/M Development
  FY23- L /M Production
  FY24- Heavy Development

POINT OF CONTACT

- USSOCOM SOF AT&L, Engage SOF (eSOF)
  (813) 826-9482

FUNDING

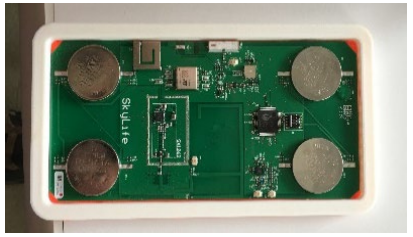
	FY22	FY23
• RDT&E	$0.70	$2.84
• PROC	$0.182	$3.09

CURRENT CONTRACT/OEM

- FABS v3: JHU
- BDP Core SW – NIWC
- BDP Development: NIWC/NAWCAD
- WINTAK Plugin: ParGov

NEXT GENERATION LOUDSPEAKER SYSTEM (NGLS)

- Provides Next Generation SOF Message Dissemination Capability
- Capabilities: Modular/Interconnected Amplifiers And Speakers Providing High Quality Recorded Audio, Live Dissemination, And Acoustic Deception Capability
- Six Variants: 1) Mounted, 2) Dismounted, 3) Scatterable Media, 4) Sonic Projection, 5) Unmanned Ground Vehicle, 6) Unmanned Aerial Vehicle
- Technology Interest Areas: Sonic Projection (directed audio), Holographic Projection, and IoT Mesh WAN Topology



ACQUISITION STRATEGY

- Evolutionary Acquisition through Incremental Development

PERIOD OF PERFORMANCE

- Various

MILESTONES

- NGLS-M: SOF to Service transition
- NGLS-D Gen 2: FY23 Resuming Development
- NGLS-SM: Inc 1 Complete; Inc 2 Development

POINT OF CONTACT

- USSOCOM SOF AT&L, Engage SOF (eSOF) (813) 826-9482

FUNDING

	FY22	FY23
• RDT&E	$0.89M	$0.90M
• PROC	$0	$0

CURRENT CONTRACT/OEM

- NGLS-D Gen 2: Tyonek (TEAMCOR Division)
- NGLS-SM Inc 2: Syncopated
- WINTAK Plugin: ParGov

MEDIA PRODUCTION CENTER (MPC)

Media Production Center (MPC) Family of Systems (FoS):

- **MPC-Heavy: Fixed Psychological Operations (PSYOPS) system housed in the Media Operation Center aboard Fort Bragg, NC**
- **MPC- Medium/Light: Globally deployable systems which include multi-media production, editing, and archiving capabilities to deliver imagery, audio, animation, and audio/video products of varying technical complexity to support SOF PSYOPS Operators.**
- **Technology Interest Areas: Artificial Intelligence, Machine Learning, SWaP reduction**

High-End Laptop (MPC-L/M)


MPC-H Control Room


SLR Camera (MPC-L/M)


Camcorder (MPC-M)


Scanner (MPC-L/M)

ACQUISITION STRATEGY

- **Hardware: COTS/Commodity Purchase Program**
- **Software Applications: Evolutionary Acquisition through Incremental Development**

PERIOD OF PERFORMANCE

- **Various**

MILESTONES

- **MPC-H: 4K upgrade CDR complete**
- **MPC-M: FY26- Commence Next Gen Development**
- **MPC-L: FY26- Commence Next Gen Development**

POINT OF CONTACT

- **USSOCOM SOF AT&L, Engage SOF (eSOF) (813) 826-9482**

FUNDING

	FY22	FY23
• RDT&E	$1.59M	$1.63M
• PROC	$0	$0

CURRENT CONTRACT/OEM

- **Hardware: SOFSA/Lockheed Martin**
- **Software Applications: SRI/ParTech**

MILITARY INFORMATION SUPPORT OPERATIONS PRINT (MISO-P)

- The MISO-P System is a family of systems (FoS) designed to support GCC MISO print requirements using commercially available digital presses and auxiliary equipment for the creation, editing, and production of MISO print products. The FoS supports small units to an entire theater of operations. The MISO-P FoS consists of three variants:
- Tactical MISO-P-Light
- Deployable MISO-P-Medium
- Strategic MISOP-Heavy at Fort Bragg, NC.

Technology Interest Areas: SWaP reduction

ACQUISITION STRATEGY

- COTS/Commodity Purchase Program

PERIOD OF PERFORMANCE

- Annually: 19 Feb through 18 Feb

MILESTONES

- Sustainment

POINT OF CONTACT

- USSOCOM SOF AT&L, Engage SOF (eSOF) (813) 826-9482

FUNDING

	FY22	FY23
• RDT&E	$0	$0
• PROC	$0	$0

CURRENT CONTRACT/OEM

- SOFSA/Lockheed Martin

MISO TECHNOLOGY AREAS OF INTEREST

EMERGING TECHNOLOGY DEMONSTRATIONS THAT ACCELERATE CAPABILITY OF U. S. PSYOPS FORCES AHEAD OF OUR ADVERSARIES

EMBEDDING OF ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING TO MAXIMIZE AUTOMATION

SIZE, WEIGHT, AND POWER REDUCTION