



SPECIAL OPERATIONS FORCES INDUSTRY CONFERENCE

Command, Control, Communications, and Computers

MRS. CARYN BAIN
Enterprise Networks Division Chief



Enterprise Networks



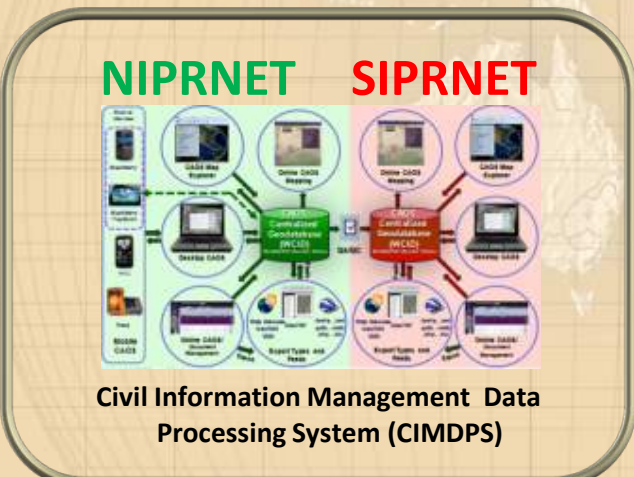
PRINT (MISOP LIGHT/MED/HEAVY)



MEDIA PRODUCTION CENTER (MPC)



**MPC-LIGHT
MPC-MEDIUM**





Command, Control, Communications, Computers, and Intelligence Automation Systems (C4IAS)

- The C4IAS Program provides Special Operations Forces (SOF) with infrastructure for unclassified and classified (SECRET) networks and services. It supports the DoD vision of a net-centric environment for both war fighting and business operations. It globally connects all SOF garrison locations and provides a gateway to networks supporting SOF deployed forces as well as DoD organizations and agencies.

ACQUISITION STRATEGY

- Sustainment with ongoing Evolutionary Tech Insertion

PERIOD OF PERFORMANCE

- Varies

MILESTONES

- Program is post milestone C

POINT OF CONTACT

Mr. Art Coon
Program Manager
coona@socom.mil

FUNDING

- FY13: PROC \$50.458 O&M \$57.218
- FY14: PROC \$39.243 O&M \$77.491

CURRENT CONTRACT/OEM

- SITEC
 - General Dynamics IT (GDIT)
 - L3 Communications (L3COMMS)
 - HP Enterprise Service (HPES)

SOCOM Research, Analysis, and Threat Evaluation System (SOCRATES)

- SOCRATES Is the SOF Extension of the Joint Worldwide Intelligence Communications System (JWICS) Network and is Used to Acquire and Support Garrison Automated Intelligence System Requirements for SOF Organizations Worldwide. It Provides a Gateway to DoD and National Intelligence Information Systems.

ACQUISITION STRATEGY

- Sustainment with ongoing Evolutionary Tech Insertion

PERIOD OF PERFORMANCE

- Varies

MILESTONES

- Program is post milestone C

POINT OF CONTACT

Mr. Joel Fritz
Program Manager
joel.fritz@socom.mil

FUNDING

- FY13: PROC \$7.613 O&M \$28.842
- FY14: PROC \$6.347 O&M \$29.749

CURRENT CONTRACT/OEM

- SITEC
 - General Dynamics IT (GDIT)
 - L3 Communications (L3COMMS)
 - HP Enterprise Service (HPES)

Civil Information Management Data Processing System (CIMDPS)

- The CIMDPS is an automation system that assists active CA and others engaged in civil-military operations to collect, process, analyze, maintain, mine, and deliver civil information and analysis products in support of military operations. The CIM system has four (4) main components:
 - Deployable Data Collection Devices (DDCDs)
 - Automation and Network Equipment
 - CA-Specific Mission Application Software
 - Centralized Data Repositories

ACQUISITION STRATEGY

- Abbreviated Acquisition Procurement Project

PERIOD OF PERFORMANCE

- N/A

MILESTONES

- Program is Pre Milestone C

POINT OF CONTACT

Ms. Liliana Roman
Program Manager

Liliana.Roman@socom.mil

FUNDING

- FY13: PROC \$1.44M O&M \$1.85M
- FY14: PROC \$.142K O&M \$1.90M

CURRENT CONTRACT/OEM

- SITEC

MISO Print System (MISOP)

The Military Information Support Operations Print System (MISOP) is a family of print systems designed to support the MISO print requirements of a TSOC or GCC using the latest commercial digital press technologies. This family of systems supports from small units to an entire area of operations. The MISOP consists of three variants: the tactical MISOP-L, the MISOP-M (fixed variant) - installed at a fixed site in Qatar supporting USCENTCOM operations and soon, a deployable MISOP-M version from an Abbreviated Acquisition Project, and the strategic MISOP-H at Fort Bragg, NC.

ACQUISITION STRATEGY

- Sustainment With Technology Insertions For Light And Heavy Variants
- Medium Deployable Variant Fielding (3 Systems) This Summer.

PERIOD OF PERFORMANCE

- Sustainment (O&M) Contracts: Annual renewal
- MISOP-M Proc Contract: Ends June 2013

MILESTONES

- All variants post Milestone C

POINT OF CONTACT

- Sanderson Prescott (813) 826-7020
- Sanderson.prescott@socom.mil

FUNDING

- FY11: PROC
- FY13: PROC
- FY13: O&M

CURRENT CONTRACT/OEM

- Procurement: Tyonek Native Corporation
- Sustainment: Special Operations Forces Sustainment Activity (SOFSA)

Media Production Center (MPC)

Family of Systems (FoS) Consisting Of:

MPC-Heavy (MPC-H): Strategic MISO fixed facility at Ft. Bragg, NC provides capability to acquire and archive raw data and to produce broadcast quality audio, video, and graphics products

MPC-Light/Medium (MPC-L/M): Deployable limited capability to acquire and edit broadcast quality audio, video, and graphics products in direct support of TSOC's and GCC's

ACQUISITION STRATEGY

- Evolutionary Acquisition Strategy utilizing industry standard COTS and SOF RDTE
- Abbreviated Acquisition Projects

PERIOD OF PERFORMANCE

- MPC-H: Adding Unclassified Network Capability: Thru 18 Sep 14
- MPC FoS: Adding Internet/MMS/SMS Production: Thru 8 Oct 13

MILESTONES

- MPC-H NIPR Phase III CDR – 5 Sep 13
- MPC-H NIPR Phase IV CDR – 16 Jan 14
- MPC-H NIPR Full Operational Capability – 18 Sep 14

POINT OF CONTACT

- Sanderson Prescott (813) 826-7020
- Sanderson.prescott@socom.mil

FUNDING

- FY12 RDTE
- FY13 PROC
- FY13-14 O&M

CURRENT CONTRACT/OEM

- Task Orders through Special Operations Forces Sustainment Activity (SOFSA)

Media Production Center Enterprise (MPC- E)

- The MPC Enterprise is a socio-technical system comprised of interdependent resources of Soldiers, information, processes, and technologies that must interact with each other and their environment in full support of the MISO mission. This automated environment enables MISO forces to be responsive, adaptive, and effective in the complex nature of conflicts while supporting global persistent engagement strategies and providing a Common Operating Picture (COP) for various levels of Command. The enterprise system will act as a central repository for the analytically intensive MISO/CA atmospheric data collected on mission which provides visibility within the context of a fluid and dynamic collaborative information environment through the COP.

ACQUISITION STRATEGY

- Evolutionary

PERIOD OF PERFORMANCE

- On-going

MILESTONES

- N/A

POINT OF CONTACT

Chad Skiendziel
Program Manager
Chad.Skiendziel@SOCOM.mil

FUNDING

- R&D

CURRENT CONTRACT/OEM

- Charles River Analytics
- Anacapa Sciences
- Lockheed Martin
- Multiple OGAs

Service Delivery Efforts – Linking SOF to SOF

- Where we want to be:
 - 2 geographically separate data centers providing core services for NIPR/SIPR/JWICS networks enterprise wide
 - Service availability 24x7
 - Access to services/data regardless of location/theater
 - Fully redundant applications and data availability
 - Centrally managed
 - Dynamic load balancing
- Potential game changers:
 - WAN acceleration technologies
 - Enterprise management tools

Technology Challenges

- Type 1 Wireless Encryption that supports a minimum of 100 Mbps
- Cross domain Secret And Below Information; Top Secret Wireless; High Availability
- Developing secure WiFi/WiMax tactical cloud for mobile computing in tactical environments

WIN THE CURRENT FIGHT
THE GLOBAL SOF NETWORK
THE FORCE AND FAMILIES
RESPONSIVE RESOURCING

Technology Areas of Interest Efforts Across the Enterprise Division

- Service consolidation and delivery with high availability
- Physical infrastructure consolidation & virtualization
- Centralized enterprise storage management and dynamic storage allocation
- Web based application delivery and thin client technologies
- Single wire (network infrastructure) multiple security classifications
- Methodology to index historical unstructured CIM data with the ability to make the data discoverable in a digital environment
- Advanced Algorithms for Cognitive Science and Applications in:
 - Trends and Themes Over Time
 - Data Searching
 - Behavior Modeling
 - Natural Language Processing
 - Measures of Effectiveness
- Multimedia Messaging Service (MMS) and Short Message Service (SMS)
Production Technology

Infrastructure Consolidation Efforts

- Where we want to be:
 - Green IT - Reduced footprint and power consumption via the use of blade servers, virtualization and lights out technologies
 - Reduced infrastructure O&M
 - Intuitive centralized infrastructure management
- Potential Game Changers:
 - Data reduction/de-duplication technologies
 - Storage density technologies
 - Infrastructure consolidation technologies

Storage Management Efforts

- Where We Want To Be:
 - Intuitive Storage Management Console
 - Centralized Storage Management of All Enterprise Storage Assets Via a Single Pane of Glass
 - Dynamic Allocation and reclamation of Storage
- Potential Game Changers:
 - Storage Virtualization
 - Management Tools That Provide Significant Capabilities Over Existing Toolset

Web Based Application Delivery Efforts

- Where We Want To Be:
 - Centralized Software Management
 - Dynamic Software allocation
 - Reduced Cost of Maintaining/Patching Workstations
 - Redundant, Auto Failover of Web Based Applications
 - Garrison desktop, apps, file access anywhere via any device
- Potential Game Changers:
 - WAN Caching and Acceleration Technologies