Special Operations Forces

Industry Conference

Enterprise Networks Division Chief

C4 COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTERS

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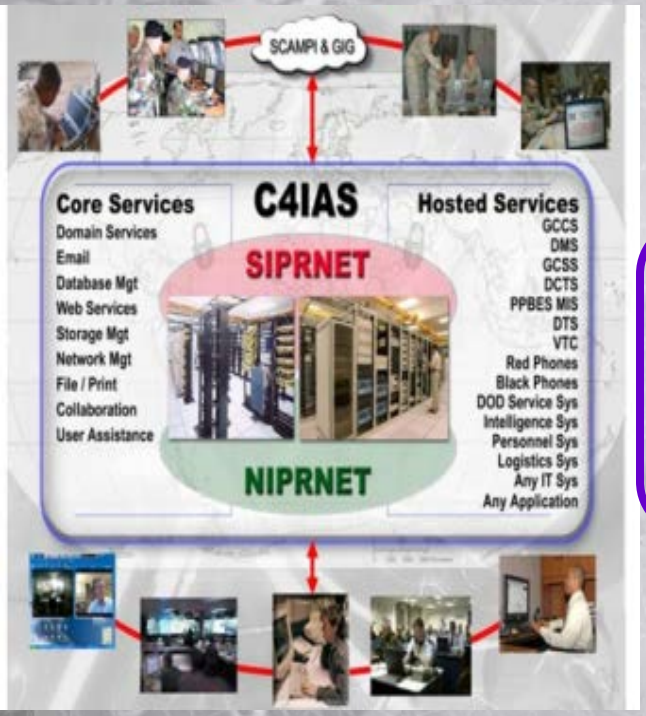
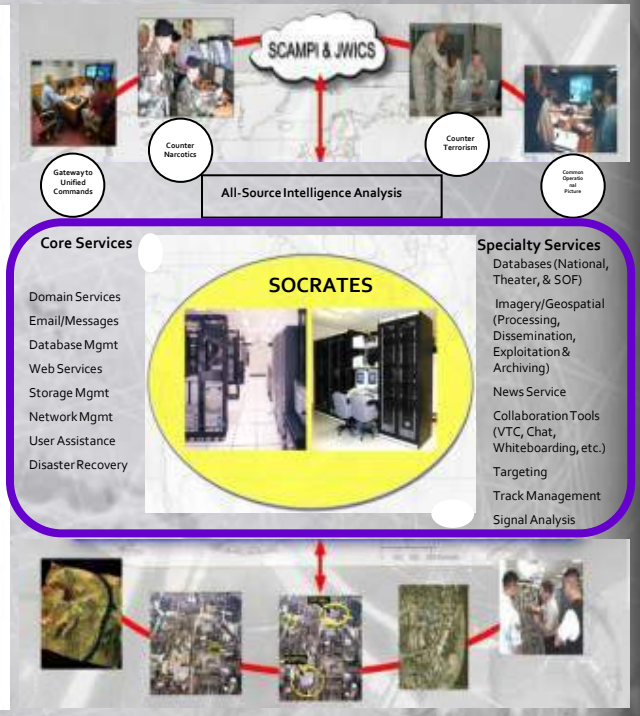
Enterprise Networks

TACLAN

C4IAS



SOCRATES



Technology Areas of Interest

- 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

Technology Challenges

- Type 1 Wireless Encryption that supports a minimum of 100 Mbps
- Cross domain SABI; TS Wireless; High Availability
- Data at Rest in tactical environments
- Developing secure WiFi/WiMax tactical cloud for mobile computing in tactical environments
- Multi-level security

Future Technology Needs

- **Service Delivery Technology**
  - **WAN acceleration technologies**
  - **Enterprise management tools**
- **Infrastructure Consolidation**
  - **Data reduction/de-duplication technologies**
  - **Storage density technologies**
  - **Infrastructure consolidation technologies**
- **Storage Management Technologies**
  - **Storage Virtualization**
  - **Management Tools That Provide Significant Capabilities Over Existing Toolset**

Future Technology Needs

- **Web Based Application Delivery**
  - **WAN Caching and Acceleration Technologies**
  - **Management Tools**
- **Single Network Infrastructure**
  - **Distributed storage technologies**

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MISO / CA Division Chief

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MISO/CA Program Families

Fly Away Broadcast System (FABS) V2

Broadcast Support Vehicle (BSV)

Broadcast Systems

Print (MISOP Light/Med/Heavy)

Product Distribution System (PDS)

Dismounted

Mounted
Next Generation Loudspeakers (NGLS)

Media Production Center (MPC)

MISO Enterprise

CIMDPS

MPC-Light
MPC-Medium

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MISO Broadcast System

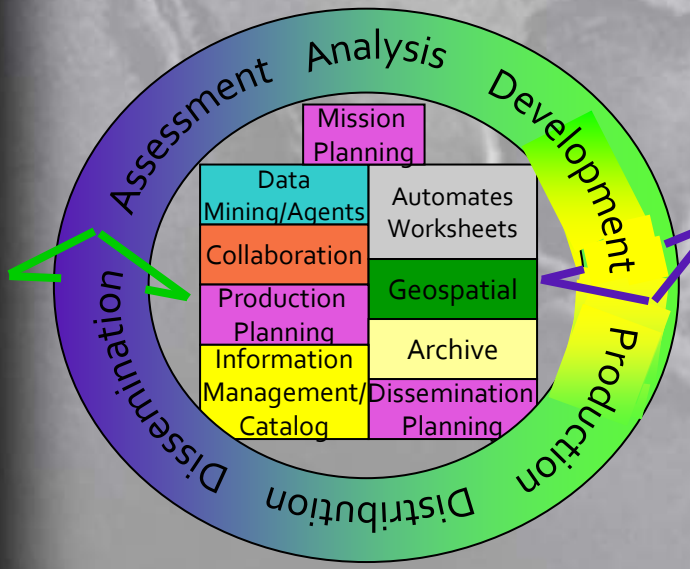
Current System

Fly Away Broadcast System (FABS) **FABS V2**

Future Needs

- **Man Transportable AM Antenna To Support Broadcast Ranges**
  - **AM 30 Miles**

MISO Enterprise System and Civil Information Management Data Processing System (CIMDPS)



MISO Enterprise System

CIMDPS

Future Needs

- Advanced Algorithms for Cognitive Science and Applications in:
  - Trends and Themes Over Time
  - Data Mining
  - Behavior Modeling
  - Natural Language Processing
  - Measures of Effectiveness

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