



Mobile Instant Secure Role Based Access Control (MIS-Ro-BAC) Network



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MIS-Ro-BAC Inspiration

- ◆ 13/20 Years of Special Operations Military Experience, Retired December 2004
- ◆ A Growing Need for Instant Secure Roll-Base Access at anytime anywhere in the world.
- ◆ Improve the Transmission Speed of: Global Secure Strategic Information
- ◆ Support Field Commanders, DoD and Government Agencies in the Global War on Terrorism

Present Security and Mission Related Issues

- ◆ Delay in strategic information to operators on the ground
- ◆ On the spot verification of data, personnel and intelligence
- ◆ Access to databases from any part of the world based on a: *Need to know access*

Hardware and Software Requirements

HARDWARE

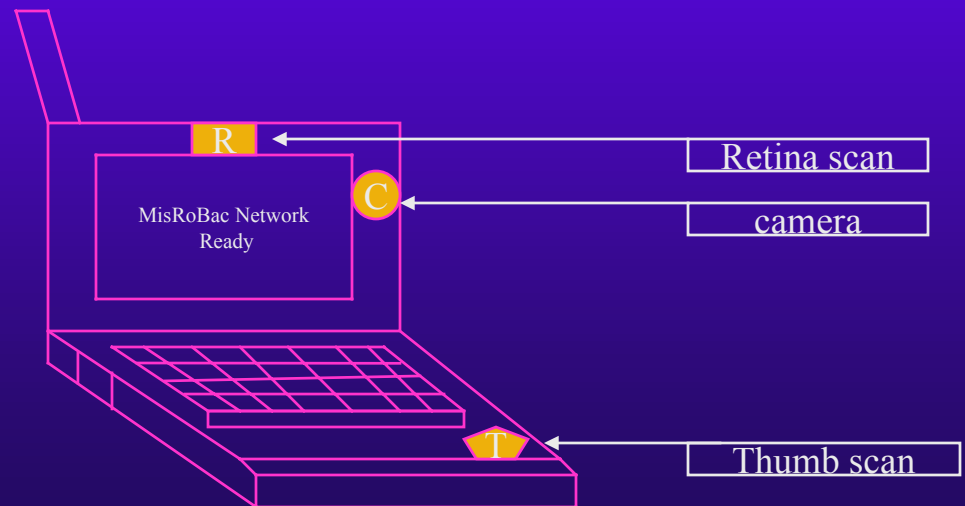
1. Authenticating Firmware*
2. CAM
3. Biometric: Iris, Thumb
4. 2.8 Ghz Processor
5. Minimum 1GB of RAM
6. 100GB Hard drive: Loaded
7. USB capable
8. SATCOM Enabled*
9. Special Optical Viewing*

SOFTWARE

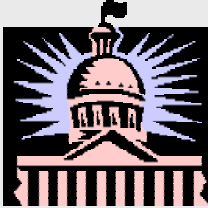
1. Authenticating programs*
2. Messaging
3. Chat
4. Voice over IP
5. Role Base Access Control*
6. Biometrics: Iris & Thumb
7. New Prediction Software*
8. Wireless Secure Virtual Viewing*

Proposed MIS-Ro-BAC Device

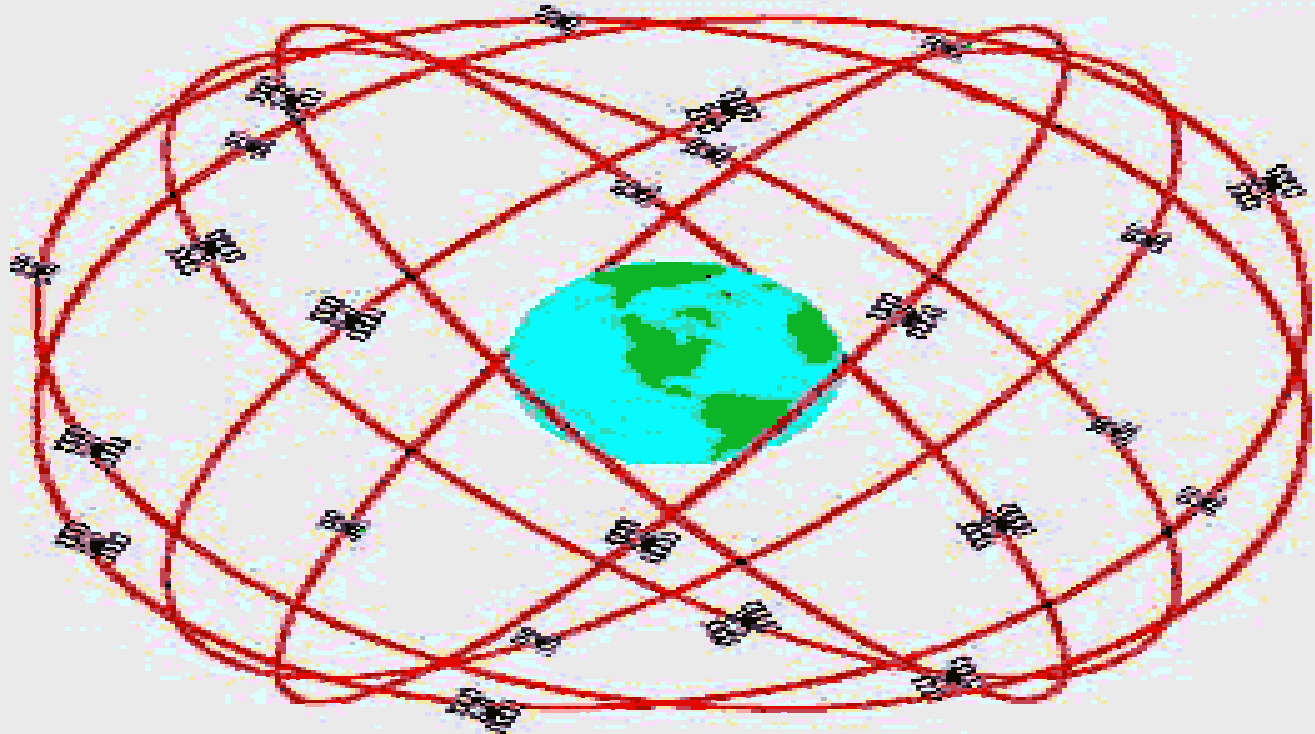
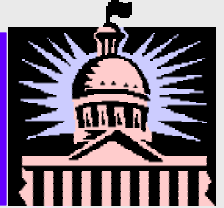
- ◆ Secure (Biometrics: thumb and Iris Scan)
- ◆ Mobile (Useable in all parts of the world)
- ◆ SATCOM Capable (Primary mode of communication)
- ◆ Access Based on User Roles (Access determined by user trust level)
- ◆ Server /Administrator Abilities (Each system can act as server and client)



Mid-Earth-Orbit Communication

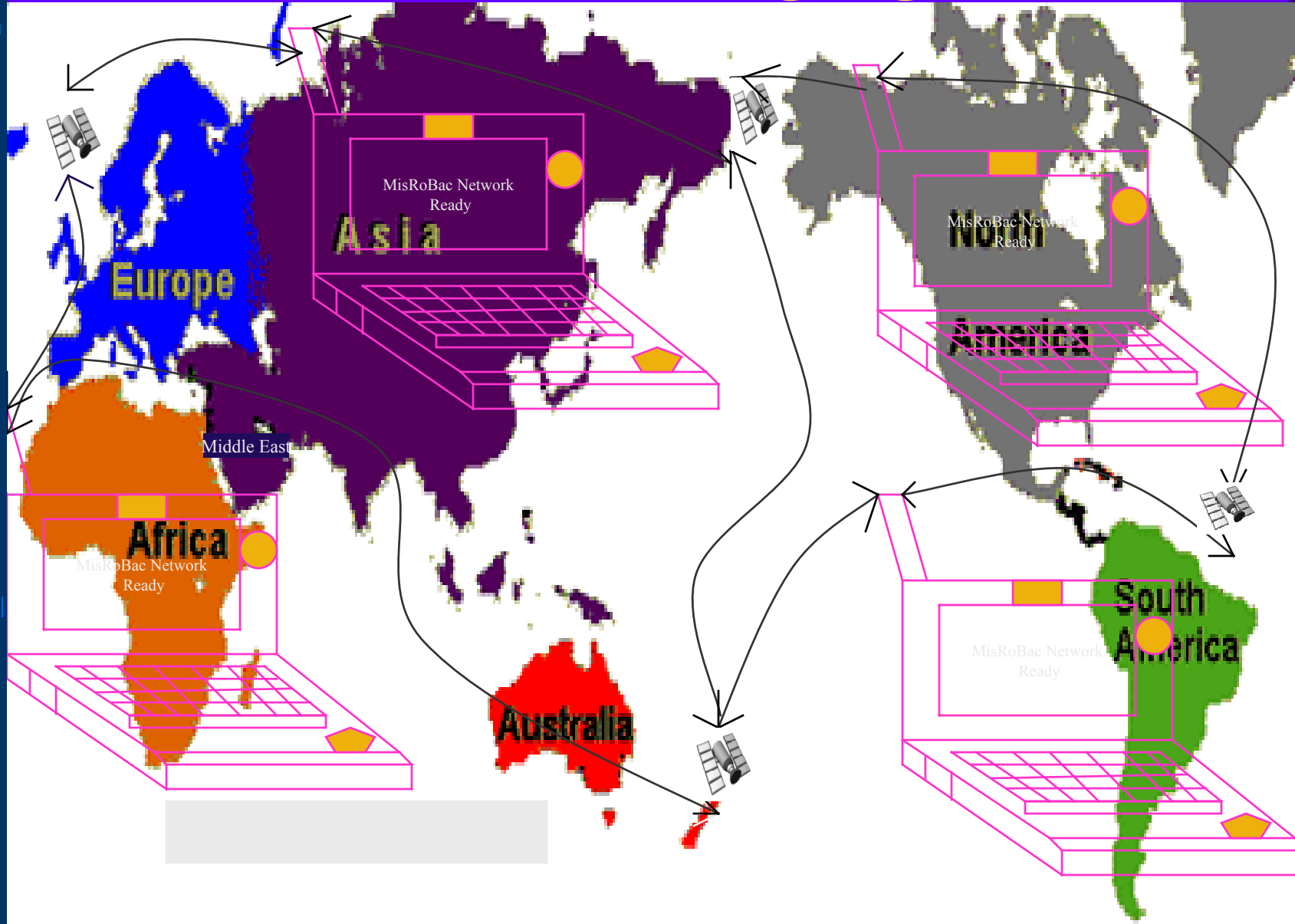


Department of Defense: Navistar System



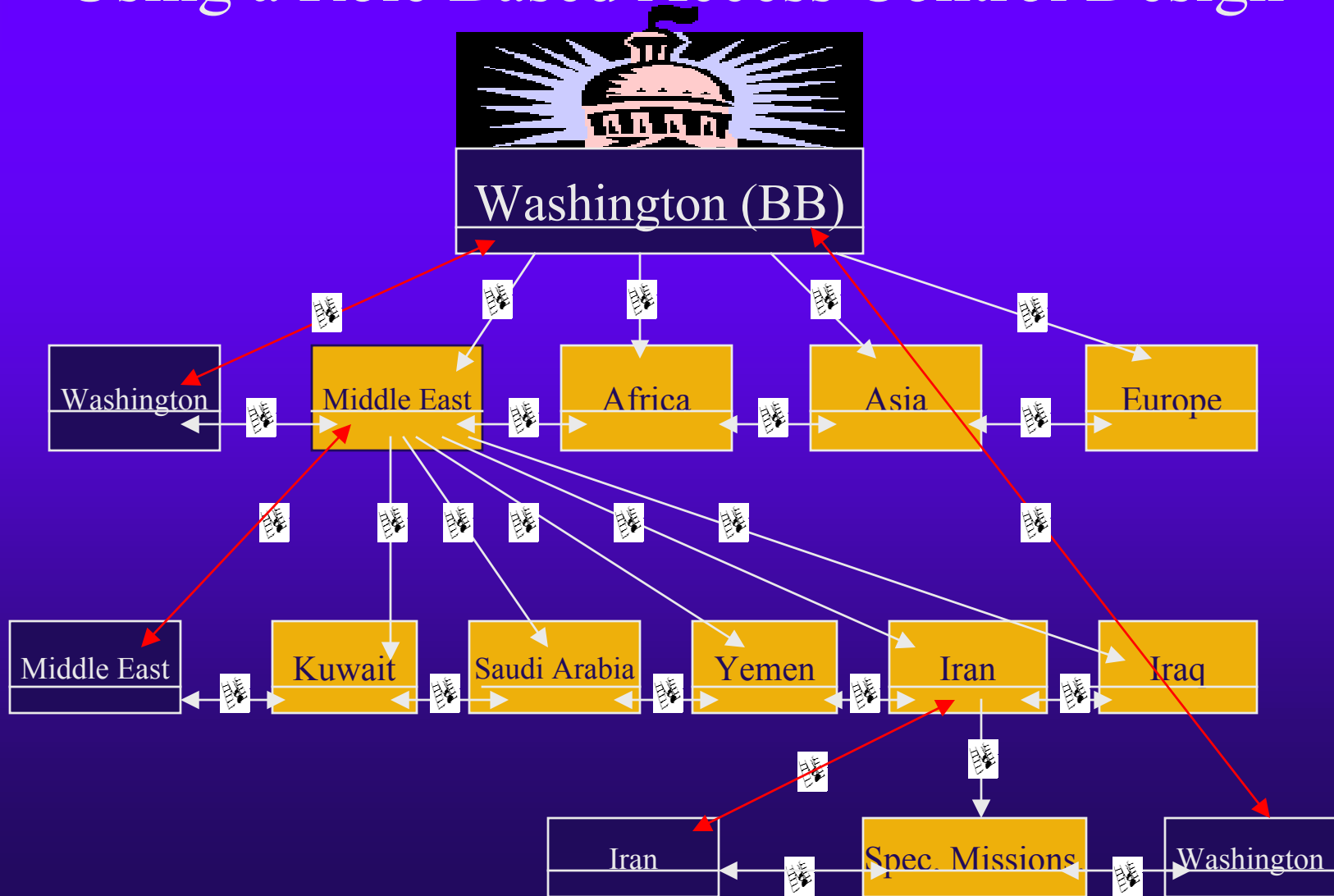
24 Hour satellite Coverage

Devices Exchanging Data



Big Brother at the Top of all MIS-Ro-BAC Networks

Using a Role Based Access Control Design



Advantages and Disadvantages

Advantages

- ◆ Operational soon
- ◆ Mobile
- ◆ Highly encrypted
- ◆ Real time data, fast
- ◆ Biometric capable
- ◆ Community data sharing

Disadvantages

- ◆ Theft or captured device
- ◆ No satellite foot print
- ◆ Funding vs. MIS-Ro-BAC requirement
- ◆ Bandwidth availability if supported by (MEO)



Status of the MIS-Ro-BAC Project

1. Writing Proprietary Software
 1. Operating System, encrypted
 2. Prediction software, minimize file sizes systems
 3. Constant testing
2. Designing the System's Physical Component Configuration
 1. Biometrics: thumb and Iris scanners
 2. Digital cam
 3. System casing
 4. RAM, Hard-drives x 2, processor, Wi-Fi radio B,A,G etc.
3. Testing new Code and RBAC Security Applications
 1. Secure-RBAC, privileges and authorizations
 2. Proprietary software with encrypted program/OS handshaking
 3. Searching for funding to support continued design and development



Thanks for your Undivided
Attention

