



CENTRIXS

Combined Enterprise Regional Information Exchange System



Supporting Coalition Warfare World-Wide

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What is CENTRIXS?

Coalition Information Sharing Network(s): Secure, robust connectivity between U.S. forces and their coalition partners. Premier solution for coalition military operations.

Program: Established January 02 at the request of the Combatant Commands to support the GWOT; currently managed by CENTRIXS Program Management Office (CPMO) at Assistant Secretary of Defense for Networks and Information Integration (ASD, NII). CPMO will be absorbed by the new Multinational Information Sharing (MNIS) program.

Concept: “Plug and Play” coalition interoperability anywhere in the world; a standard for coalition information sharing networks used by all DoD components

Still growing; desperately need a certified multi-level security solution.



Operational Requirements

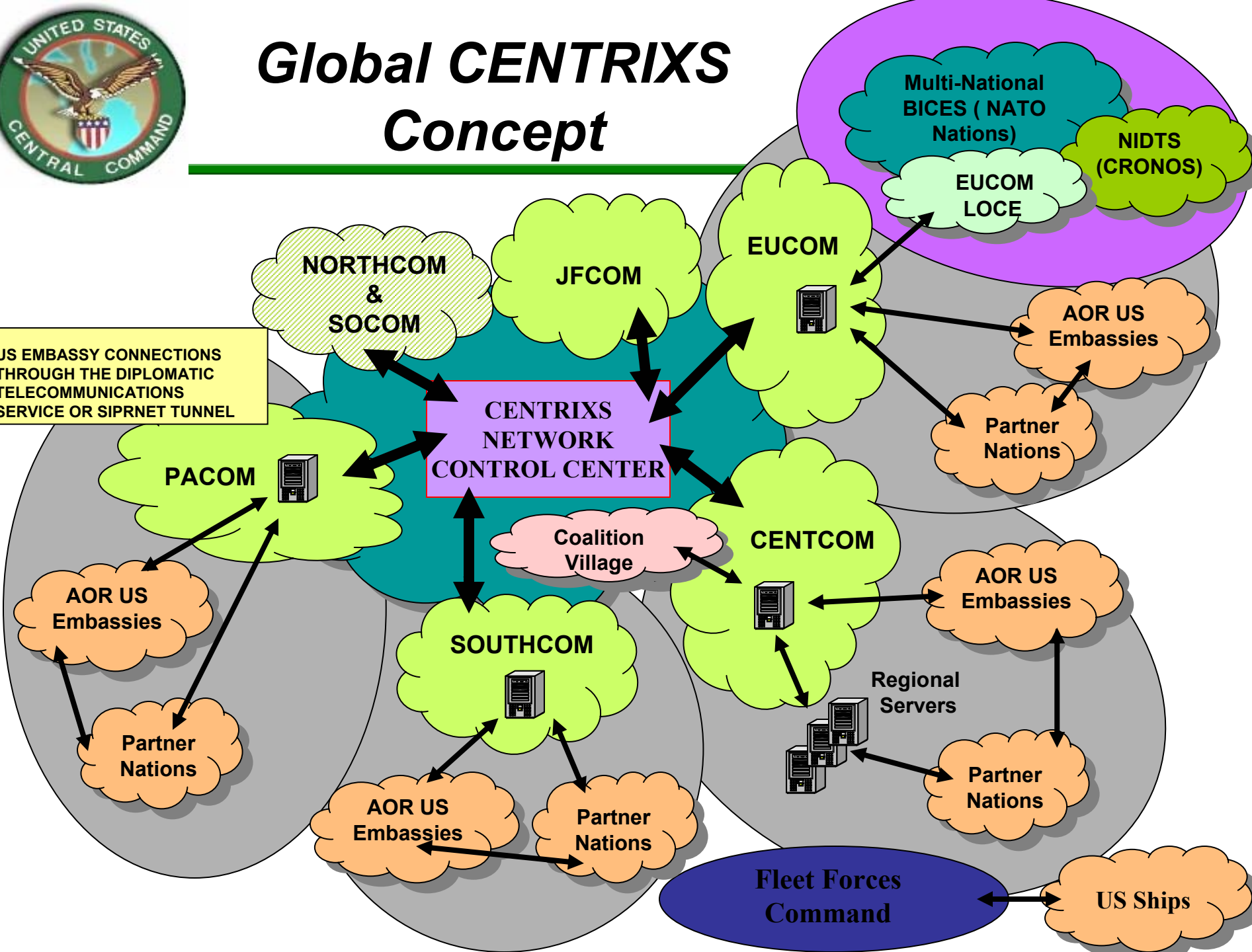
Coalition Warfighting; Responsive and unified communications and information exchange across combined forces region-to-region... for planning, unity of effort, decision superiority, and decisive global operations.

Bilateral Exchanges; Secure intelligence and information exchanges between participating nation and U.S. per Memorandum of Agreement.



Global CENTRIXS Concept

US EMBASSY CONNECTIONS THROUGH THE DIPLOMATIC TELECOMMUNICATIONS SERVICE OR SIPRNET TUNNEL





Functional and Information Requirements

- **Functional**

- Web-browser-based data sharing
- E-mail with attachments
- Secure voice over IP
- Near-Real-Time data access and display
- Collaboration – chat

- **Information**

- Data sharing for common awareness (up to SECRET Releasable)
- Operations, Intelligence, and Mission Data
- Enemy information databases
- Imagery
- Near real-time situational data displays



Future Requirement

Ultimate End State

Evolve the separate networks (requires technology and policy advancements) into a single global network capable of creating secure, dynamic, Communities of Interest (select subset of nations) from a single workstation.



EVOLVING TECHNOLOGIES: Multi-Level Security (MLS)

Net-centric Multi-level Information Sharing

- Seamless secure interconnected information environment
- Labeled data – metadata tagging
- Recognizes who you are: limits access based on who/where you are
- Secure interoperability within/across DoD and international partners
- Common infrastructure

End State not likely before 2016!



Cross Domain Solutions

- **USCENTCOM requested expeditious certification of specific guarding solutions**
- **Guarding solutions needed now for more effective C2:**
 - Web browse-down
 - Cross domain chat
 - Reverse OWL guard (low to high)
 - New generation DII guard
 - Type 1 accredited VPN



Coalition Information Sharing--The Challenge

Combined Naval
Forces Central
Command (CNFC)
11 countries,
subset of GCTF

Global Counter-
Terrorism Forces
(GCTF)
66 countries
participating in
Operation Enduring
Freedom (OEF)

4 Eyes

Multinational Coalition
Forces-Iraq (MCFI) 51
countries participating
in Operation Iraqi
Freedom (OEF)

NATO

International Security
Assistance Forces
Afghanistan (ISAF)
33 countries
supporting
reconstruction effort
(NATO led)



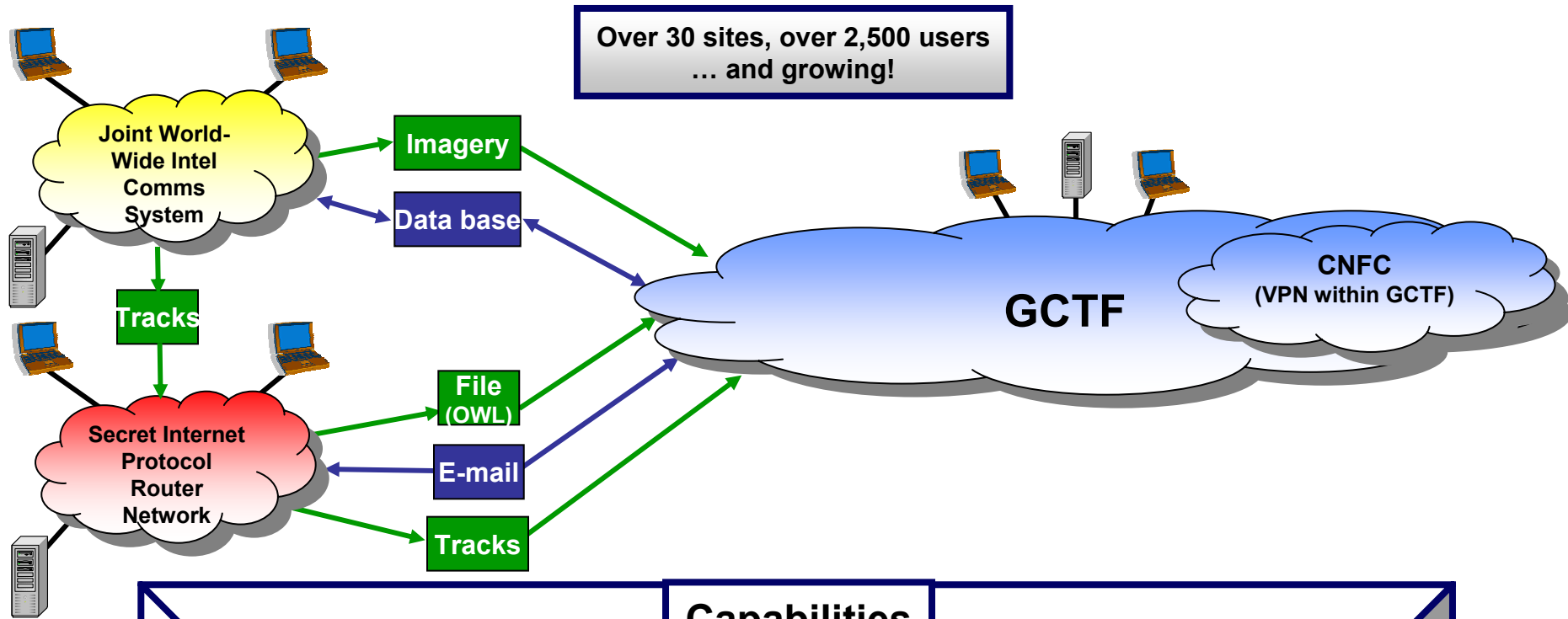
Coalition Information Sharing--The Solution Today

- **CENTRIXS—Global Counter Terrorism Force (GCTF):**
 - Information sharing tool for OEF
 - Primary system used by Coalition Naval Forces CENTCOM (CNFC is a Virtual Private Network within CENTRIXS-GCTF)
 - Planned primary system for coalition operations in Horn of Africa
 - Anticipated primary system for reconstruction teams and Combined Forces Command-Afghanistan
- **CENTRIXS—Four Eyes (CFE):**
 - Standing planning network (USA/AUS/CAN/GBR)
 - Using to facilitate air ops
- **CENTRIXS—Multinational Coalition Forces-Iraq (MCFI):**
 - Information sharing tool for OIF
 - Primary secure data system
 - Largest network; many continental US based users too
- **CENTRIXS—Bilaterals**
 - Information sharing tool with single nations

COCOMs forced to build multiple separate networks for coalition operations.



CENTRIXS-GCTF



Capabilities

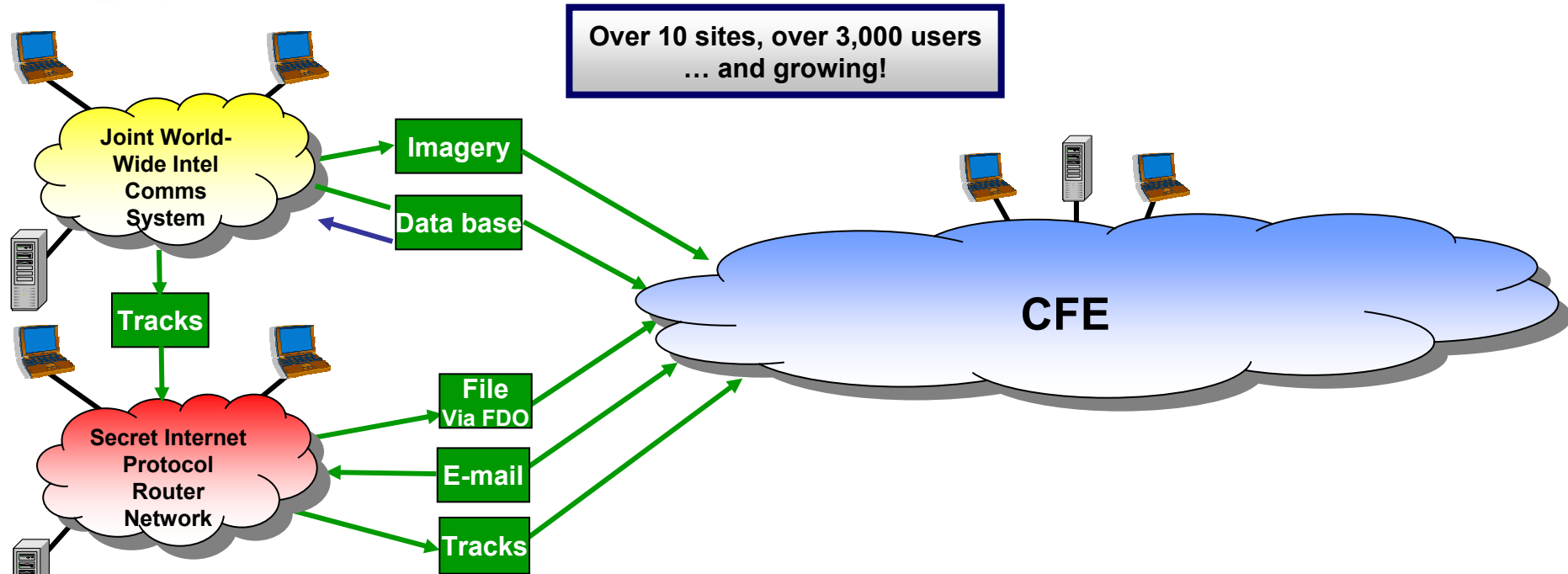
- Office Automation—MS Office; Web (CENTRIXS Central); Google Search
- Database/file sharing (operations, intelligence, mission data)
- Filtered situational awareness display picture (near-real-time platform tracks)
- Collaboration—Net Meeting; chat
- Voice over internet protocol (VoIP)

Operational

Pursuing



CENTRIXS-Four Eyes



Capabilities

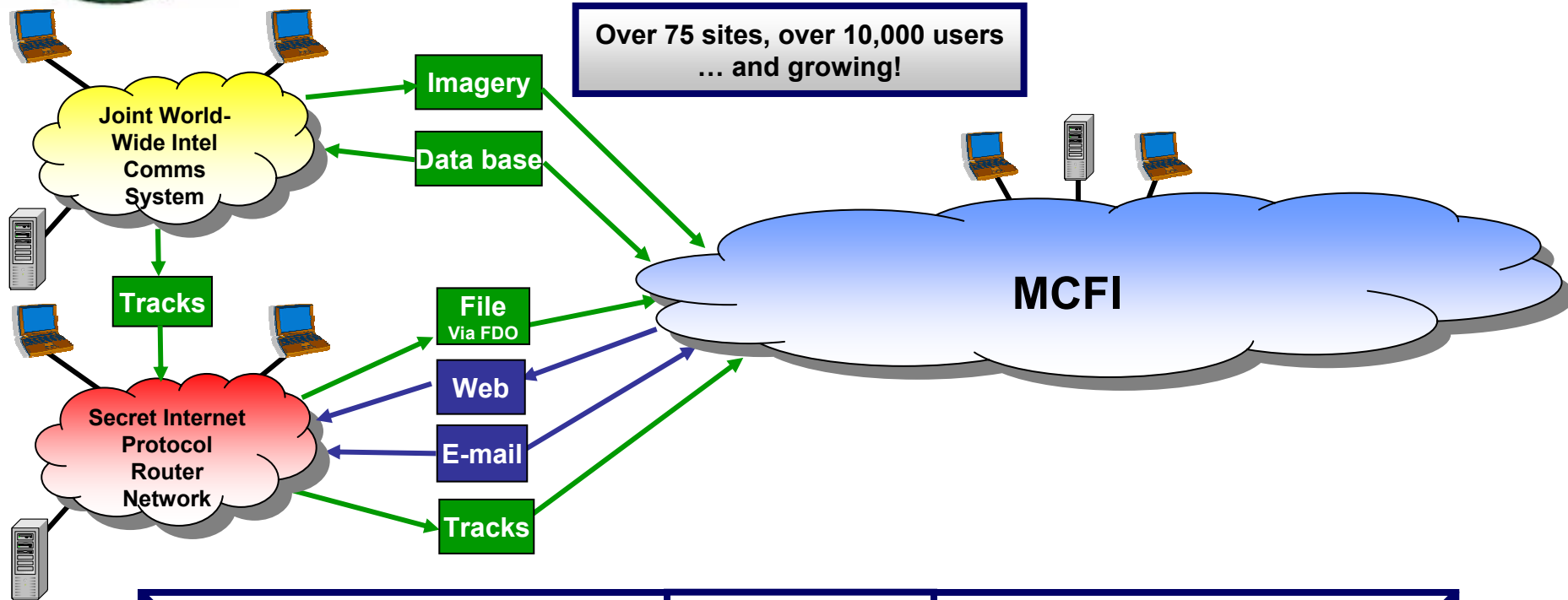
- Office Automation—MS Office
- Database/file sharing (operations, intelligence, mission data)
- Filtered situational awareness display picture (near-real-time platform tracks)
- Collaboration—Net Meeting; mIRC
- Limited Voice over internet protocol (VoIP)

Operational

Pursuing



CENTRIXS-MCFI



Capabilities

- Office Automation—MS Office; Web (CENTRIXS Central); Google Search
- Database/file sharing (operations, intelligence, mission data)
- Filtered situational awareness display picture (near-real-time platform tracks)
- Collaboration—Net Meeting; Coalition Chat Line; IWS (Iraq); chat
- Limited Voice over internet protocol (VoIP)

Operational

Pursuing

MNC-I SIGACTS

Valid 24 hours as of 10 Aug 2004 15:34 Local Iraq Time

	Enemy	Destroyed	Residual	Captured
KIA	1	0	0	0
WIA	1	0	0	0
Detained	0	N/A	N/A	N/A

Click here for more detail

Activity Types

	Count	Type	Count
RPG	2	Land Mine	0
IED	0	Rocket	0
VERED	0	SAM	0
Mortar	1	SAFIRE	0
Grenade	0	Indirect Fire	0
Small Arms	0		

Announcements

SERVICE DISRUPTION NOTICE: The CENTRIXS Central MNC-I SIGACTS summary is currently unavailable. Please reference the MNC-I site for SIGACT updates. [Click Here to View](#)

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Future Operations

Facts / Assumptions

- POLITICAL: Dynamic political environment keeps coalitions separate/changing.
ASSUMPTION: Multiple coalitions likely to continue
- POLICY: Disclosure constraints limit CENTCOM's ability to effectively command and control coalitions.
ASSUMPTION: "Releasability" guidance and constraints will continue
- PHYSICAL: What's the future for continued coalition ops at CENTCOM?
ASSUMPTION: Partner countries will remain at CENTCOM
- TECHNICAL: Many secure network technologies and cross-domain solutions still in concept & testing phases.
ASSUMPTION: New solutions not able to be fielded in short term



Way-Ahead

Coalition Information Sharing

- **Support new Multinational Information Sharing (MNIS) program**
 - Consolidates program management of current coalition systems:
 - Combined Enterprise Regional Information Exchange System (CENTRIXS)
 - Globally Reaching Interconnected Fully Functional Information Network (GRIFFIN)
 - Combined Federated Battle Laboratory Network (CFBLNet)
 - Single multi-national, multi-level information sharing environment at tactical, operational and strategic levels (Secret and below)
- **Maintain CENTRIXS as solution of choice within USCENTCOM**
 - 3 networks likely to continue into the future (GCTF, CFE, MCFI)
 - Seek near-term opportunities to improve CENTRIXS; expand as required
 - Operationalize/Institutionalize CENTRIXS in USCENTCOM
 - Ensure CENTRIXS is supported until MNIS is fielded