



# C4IT SERVICE CENTER

TELECOMMUNICATION & INFORMATION  
SYSTEMS COMMAND

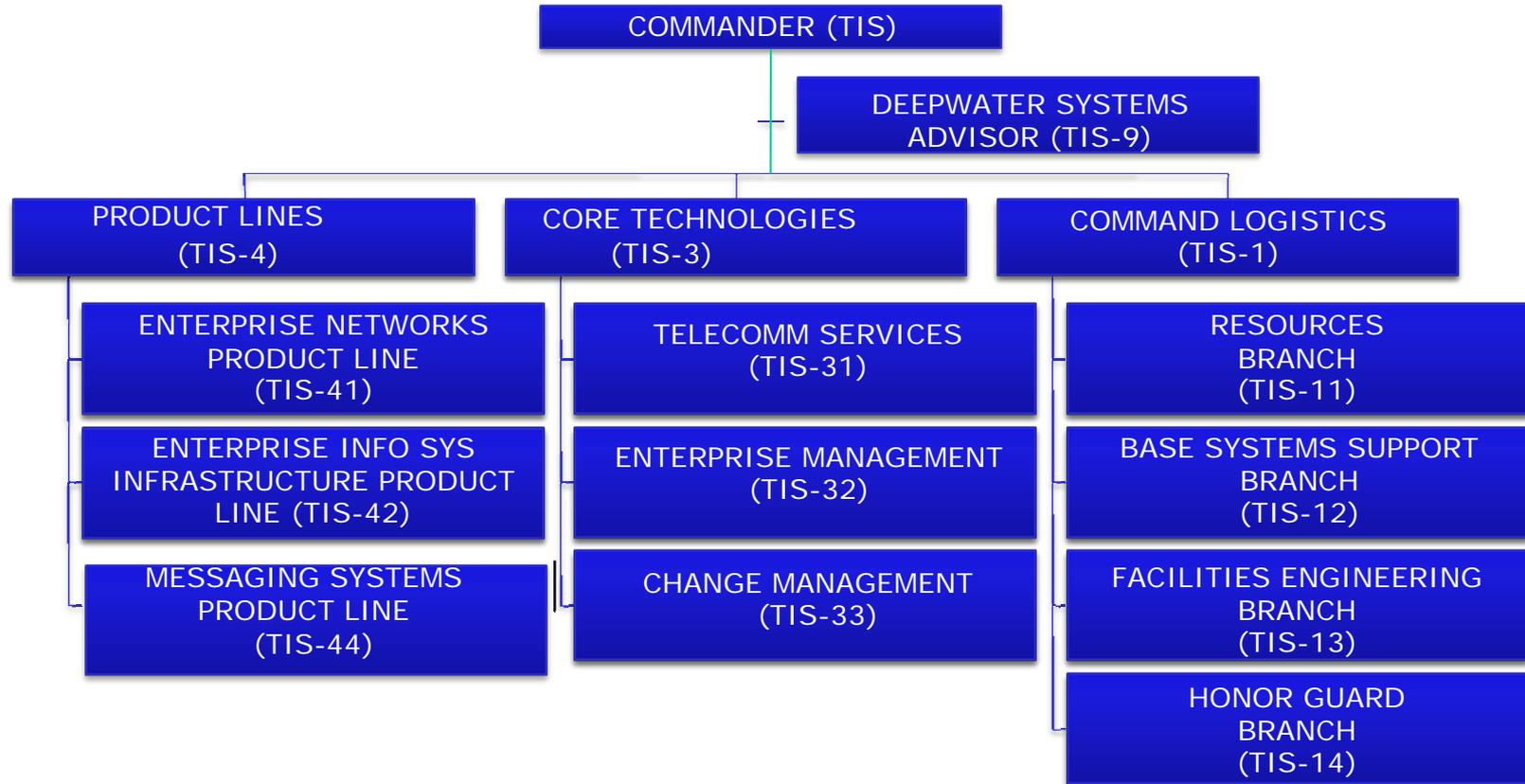
## C4IT Service Center Industry Day

TISCOM | CAPT Len Ritter

15 July 2010



# TISCOM Organization



# Core Technologies

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## ENTERPRISE MANAGEMENT

- NETWORK OPERATIONS CENTER (NOC)
- SECURITY OPERATIONS CENTER (SOC)
- COMPUTER INCIDENT RESPONSE TEAM (CIRT)/CYBERCOM WATCH
- INFRASTRUCTURE INCIDENT MANAGEMENT / PROBLEM MANAGEMENT /DELIVERY MANAGEMENT
- IT INFRASTRUCTURE ARCHITECTURE
  - MICROSOFT-based
    - (SBU) 40,000 CLIENTS – 600 SERVERS,
    - (CLAS) 2,200 CLIENTS / 475 SERVERS
  - CISCO-based
    - 800 ROUTERS; IPV6 CAPABLE (not enabled)
  - GEOGRAPHICALLY DISTRIBUTED ARCHITECTURE/CENTRAL MANAGEMENT



# CG IT Infrastructure Daily Report for xx/xx/xx

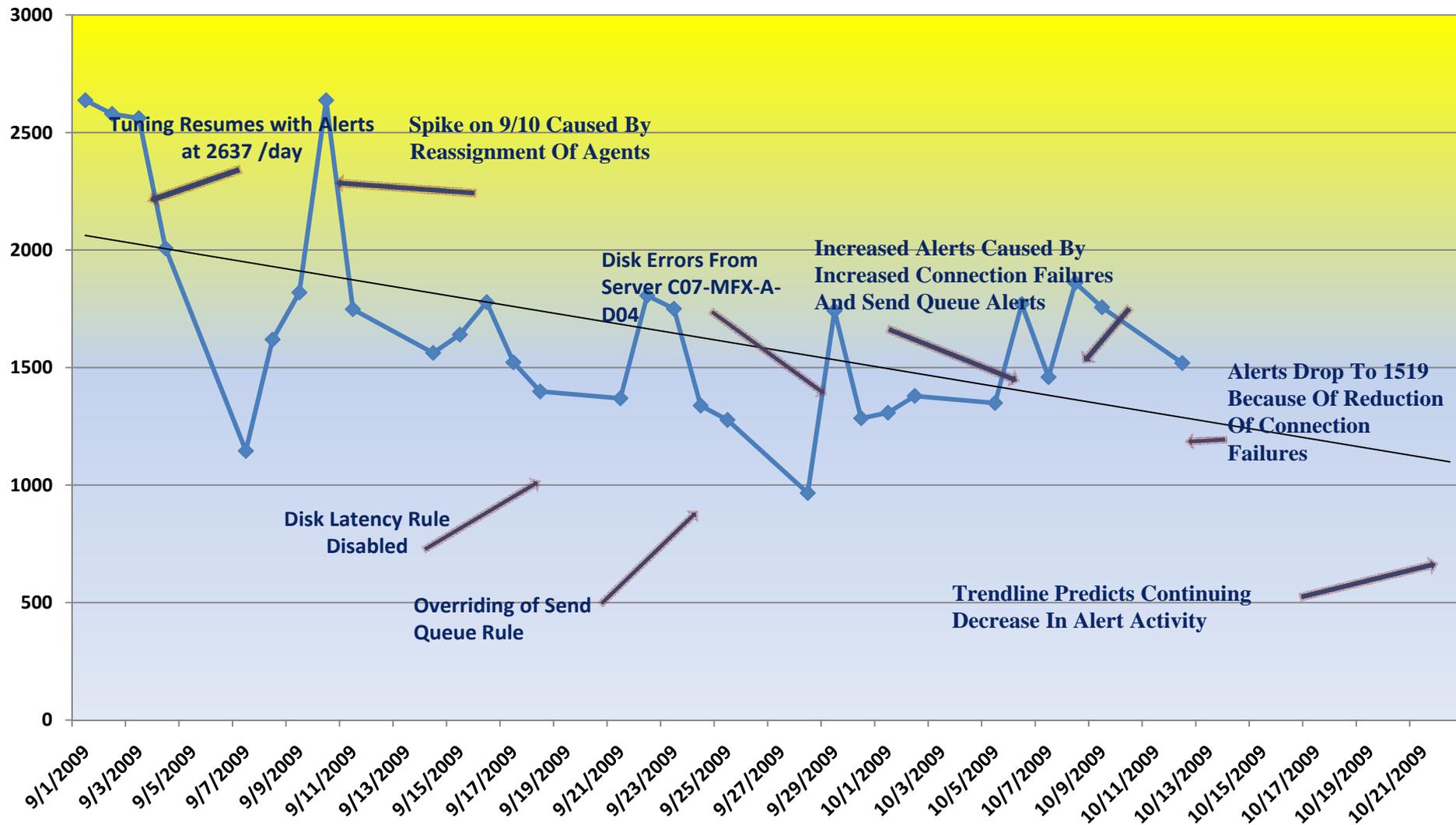
Service	Status (Red/Green)
Network Connectivity	
Cutter Connectivity	
IT Service Delivery	
IA Security	
Organizational Messaging	

## Notes:

1.



# Improving SCOM Alert Count



# Information Assurance CG-CIRT

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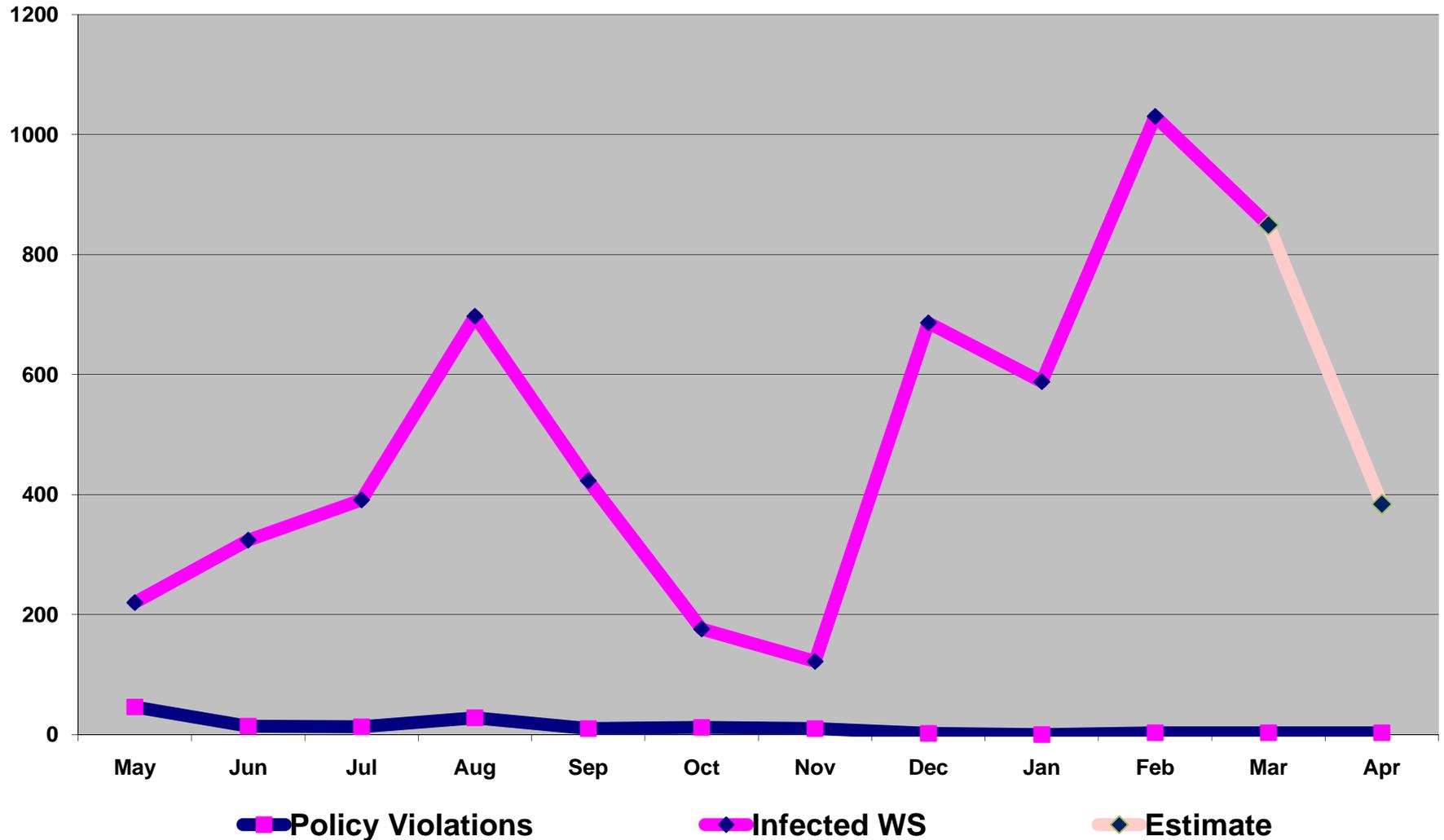
**Coast Guard operations in the traditional domains are becoming increasingly dependent on its ability to effectively operate in the cyber domain to the point that the cyber domain can directly impact mission success.**

## **Each month:**

- 12 million inbound e-mails hit our CG network gateways with 25,000 infections or malicious payloads
- 5.5 million spam e-mail are rejected
- 175 CG information assurance incidents occur.



# CGCI RT – Cyber Attacks



# CORE TECHNOLOGIES

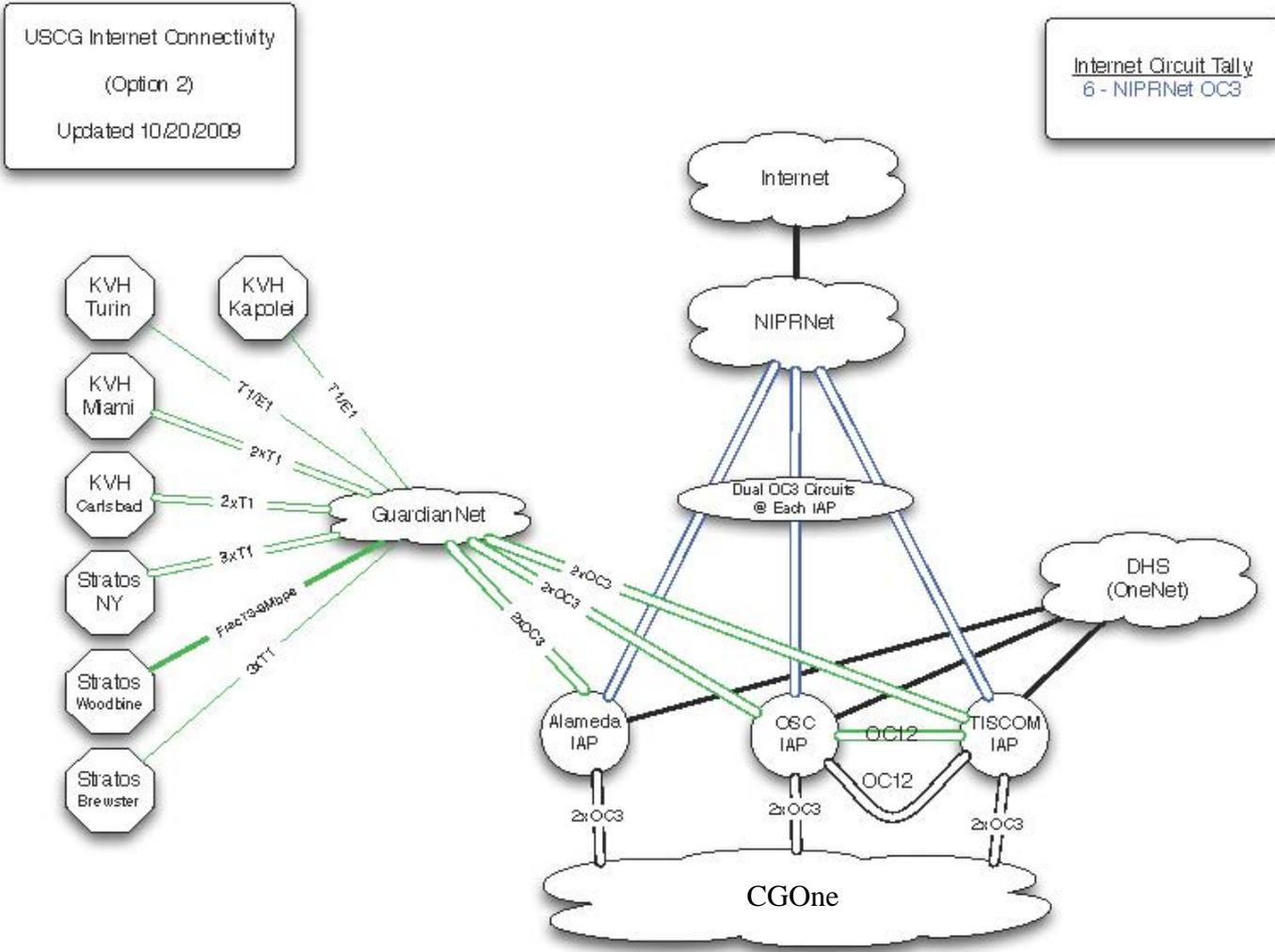
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## TELECOMMS SERVICES

- TRANSITIONED TO NETWORKX
- MPLS BACKBONE - DHS AND DOD GATEWAYS (OC-3) (planned)
- 1,000 SHORESIDE DROPS + CUTTERS
- WIRELESS ACCESS - PDA/GOOD TECHNOLOGY
- REMOTE CLIENT ACCESS
  - RDP
  - TERMINAL SERVER
  - CAC BASED AUTHENTICATION
  - IPSEC TUNNEL
- CENTRALIZED CELLULAR TELEPHONE MANAGEMENT



# CGONE LOGICAL ENTERPRISE



# CORE SUPPORT FUNDING

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## CUTTER IP CONNECTIVITY SUPPORT (~ \$40 - 45 M)

- SATCOM AIR TIME
- CASREP
- STAFF AUGMENTATION

## STAFF AUGMENTATION (~\$40 - 50 M)

- IT INFRASTRUCTURE AND WATCHSTANDERS
- ISSO SUPPORT, FIELD HELP DESK

## IT INFRASTRUCTURE CONFIGURATION MANAGEMENT (~ \$18 – 22 M)

- SOFTWARE LICENSING
- CHANGE MANAGEMENT



# CORE SUPPORT FUNDING

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## INFORMATION ASSURANCE (~ \$7 – 10 M)

- STAFF AUGMENTATION (CIRT, C&A)
- FIREWALL & IDS/IPS MAINTENANCE
- IA TOOLS

## ORGANIZATIONAL MESSAGING (~ 2 – 2.5 M)

- CGMS 4.0 – WEB-BASED MESSAGING APPLICATION; PORTAL INTEGRATION
- TACTICAL MESSAGING

## TELEPHONY LIFE CYCLE SUPPORT (~ \$1.5 – 2 M)

- PBX LARGE UNIT / PBX SMALL UNIT
- VOIP (Future)



# PRODUCT LINES

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## ENTERPRISE NETWORKS

- LARGE CUTTER COMMERCIAL SATCOM (Contract in place by Jul-Aug 2010)
  - FLEET BROADBAND & KU
- SMALL CUTTER CONNECTIVITY (Contract in place by Jul-Aug 2010)
- LAN SWITCHES (BPA in place SEP 2010)
- CENTRIX
- HIGH LATITUDE IP CONNECTIVITY
- NETWORK ACCESS POINT ENGINEERING - DOD IAP TRANSITION



# PRODUCT LINES (Continued)

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## ENTERPRISE INFORMATION SYSTEMS INFRASTRUCTURE

### INFORMATION SYSTEMS RECAPITALIZATION (contract in place for servers/workstations)

- TERMINAL SERVICES
- THIN CLIENT
- SERVER VIRTUALIZATION

### TELEPHONY ENGINEERING (Contract in place by Jul-Aug 2010)

- UNIFIED COMMUNICATIONS
- PBX REPLACEMENT
- VIDEO TELECONFERENCING – DESKTOP, SMALL/LARGE CONFERENCE



# PRODUCT LINES (Continued)

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## ENTERPRISE INFORMATION SYSTEMS INFRASTRUCTURE

- ENTERPRISE STORAGE AND ARCHIVING
- ENTERPRISE TERMINAL SERVICES
- ENTERPRISE DATA PROTECTION
- NETWORK ACCESS PROTECTION
- OPERATIONALIZE /HARDEN WIRELESS MESSAGING

## ORGANIZATIONAL MESSAGING

- TACTICAL MESSAGING
- COMMAND EMAIL



# PRODUCT LINES (Continued)

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## ORGANIZATIONAL MESSAGING

- TACTICAL MESSAGING
- COMMAND EMAIL

