DISA Update
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Leaders Enabling Information Dominance in Defense of our Nation
**DISA Vision & Mission**

**Vision:**
Leaders enabling information dominance in defense of our Nation

**Mission:**
DISA, a Combat Support Agency, engineers and provides C2 capabilities and enterprise infrastructure to continuously operate and defend a global net-centric enterprise in direct support to joint warfighters, National level leaders, and other mission and coalition partners across the full spectrum of operations.

- Network Services
- Program Executive Offices
- Computing Services
Summary of Network Services

**Voice**
- Defense Switched Network
- Defense Red Switch Network

**Transport**
- Physical Layer
- Muxed Services
- Satellite Services

**Video**
- Digital Video Services

**DISN Customer Service**
- Global Provisioning Policy
- Customer Relationship Management
- Configuration Control
- Performance Measurements

**Operational Support**
- Network Management Tools
- Out of Band Management
- Service Oriented Integration

**Data**
- NIPRNet, SIPRNet
- Special Support Net
- DoD IP Address Management
- Tactical Warfighter Access
- Anti-Drug Network

**Special**
- Support US Secret Service
- Support Office of Special Events
- Enhanced Mobile Satellite Service

**Security Oversight**
- Network Certification & Accreditation
- Physical and Personnel
- GIG Waiver Board
CONUS: 4775 GBS

EUROPE: 611 GBS

SWA: 6 GBS

PACIFIC: 371 GBS

4 x OC192

Optical Switching

N x OC-192

TOTAL CAPACITY

FEB 05
480 GBS

Aug 10
5763 GBS
The Enterprise Network

Partnerships

- AgileNet Networks
  - Army Resources – DISA engineer/implement/operate
- Diversity and Resiliency in the GIG
  - Ensure Mission Success
  - Customer funded – DISA sustained
  - 24x7 Enterprise Infrastructure
- IP as a Transport
  - Terrestrial & satellite
  - Bandwidth on-demand more responsive
  - Commercial Model
- Senior Leadership Communications
  - Ensures mission Success
  - Utilizes networks and capabilities
  - Ensures compatibility
  - SLCS, NLCC, CMS

Opportunities

- Network Growth and Changes
  - Customer and DISA for global mission support
- Diversity and Resiliency in the GIG
  - Always On
- Everything Over Internet Protocol Networks
  - Speeds up delivery
  - Voice, video, data, collaboration
  - 90% solutions today
  - Optimize Management
  - Reduce Cost for Moves/Adds/Changes
- Boundaries
  - No clear edge
Transform DISN to Net-Centric Communications

Network Oriented

Enabling Technologies

- GIG-BE to OC-192
- IPv4
- Serial/TDM/ATM circuits
- Link encryption

Near-Term

- MSPP for physical circuits
- MPLS for virtual networks
- Migration: VoIP, VoSIP, VidolP
- IPv4/IPv6 Dual Stack
- IP encryption in core

Mid-Term

- Circuit to IP
- Voice, Video, Data to Shared IP

- Voice, video, data at all classification levels over unified, secure IP
- WIN-T, JTRS integration

Far-Term

- Multiple Classifications to Unified IP
- Almost Everything Over IP

- DSN, DRSN, DVS using NIPRNet, SIPRNet

Legacy Networks (DATMS, IDNX, ESONET)
Separate Networks (NIPRNet, SIPRNet, DSN, DRSN, DVS)

Reduced circuit services over DATMS, IDNX, and ESONET

All optical networks
Highly available IPv6
IP encryption at the edge

Almost Everything
Over IP

DSN Services

Services Oriented

NOW
Transforming Activities

- Transitioning circuits and integration of legacy network (ongoing)

- Everything Over IP... leveraging DISN Core optical switching capability to converge voice, video, and data over IPv6

- Replace unsupported software and/or hardware system components

- Replace end of life equipment and/or software

- Replace equipment and/or software to maintain functionality of DISN network

- Transition from time and materials contracts to performance-based contracts for all follow-on requirements
What we do for them.....

Our Duty
QUESTIONS?

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