Intelligence Community Communications Architecture

National Defense Industrial Association Interoperability and Systems Integration Conference
2 April 2003

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Communications and Network Services providing a secure, reliable, survivable, global transport intranet to enable ICSIS
A collaboration and information sharing architecture based on the success of Intelink

Focused on greater information sharing within SCI, collateral and SBU domains

Builds on what we have within the IC
  – Agencies have committed new applications

Provides a single place to go to for many IT services
  – New centralized services to the community

Provides supporting infrastructure for new systems being developed for the community

Enterprise-wide solutions among IC members for common services. Provides IC customers with consistent interface to the IC.
ICSIS Architecture Components

- Web, Metadata, and PKI-enabled applications and data bases
- Common information sharing and collaboration services
- Direct communications networks within a domain
- Trusted interfaces for transfer of information between domains
Services for ICSIS Users

ICSIS Applications & Databases

Collaborative Intelligence Applications

TCP/IP Networks
Reliable, secure, routable network services

ATM
Dynamic, secure, switched, flexible infrastructure

SONET
Reliable, secure bulk data transport

WDM
Wavelength services
Very high speed, secure, high capacity lines

ICSIS

JWICS

GIG BE
IC CONUS/OCONUS
Wash. Metro IC Network
Communications Support

- **Defense Information System Network (DISN)**
  - Point-to-point communications transport at select global locations.
  - Quality feedback

- **Global Information Grid Bandwidth Expansion (GIG BE)**
  - Usable deployment starting within 12-18 months
  - Primary services at non IC supported locations worldwide
  - Backup support to primary IC transport services

- **Defense Satellite Communications System (DSCS)**
  - Used for fixed and deployed services.
  - Cost effective, but limited capacity.

- **Quick Reaction Surge Support**
  - Ad hoc transport surge for global crisis support; i.e., Intelligence support for force protection, Afghanistan, etc.
IC Partnership with DoD

- Shared use of communications transport to provide cost effective support and greater reach for our mission partners

- Joint planning for new communications services to improve effective use of scarce investment resources

- Joint standards and implementation planning to promote interoperability and quicker provisioning of services
  - Participation in both governance processes promotes better understanding between partners