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Intelligence Community Communications Architecture

National Defense Industrial Association
Interoperability and Systems
Integration Conference
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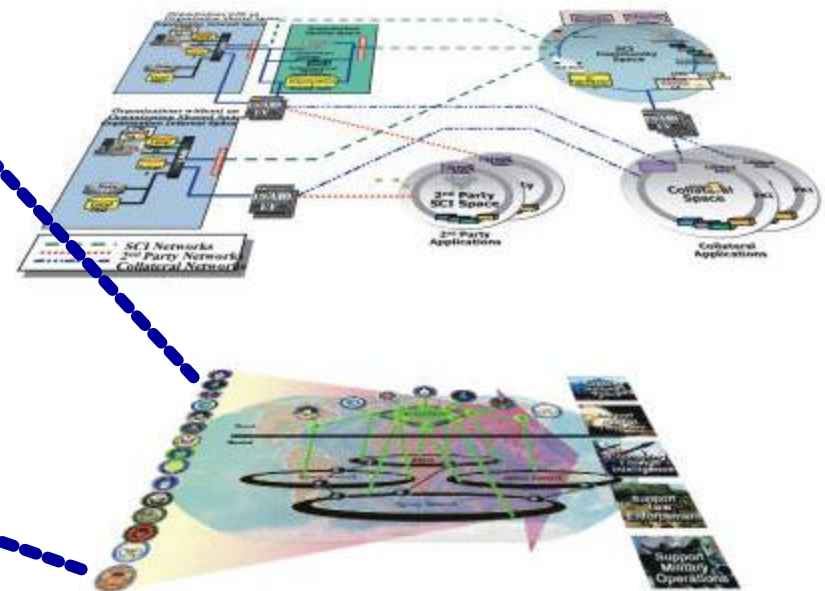
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IC Communications

Communications and Network Services providing a secure, reliable, survivable, global transport intranet to enable ICISIS





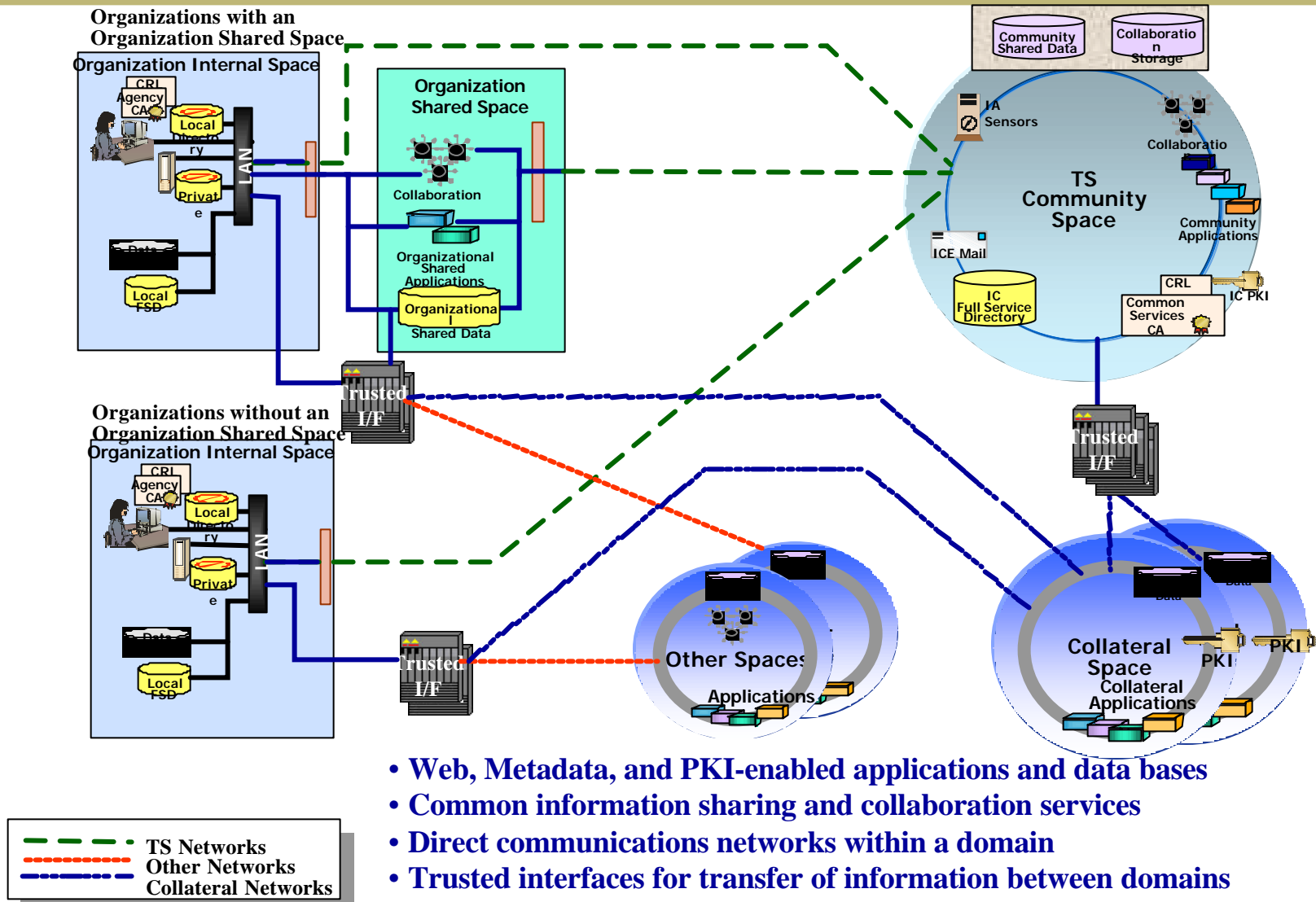
IC SIS

- **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

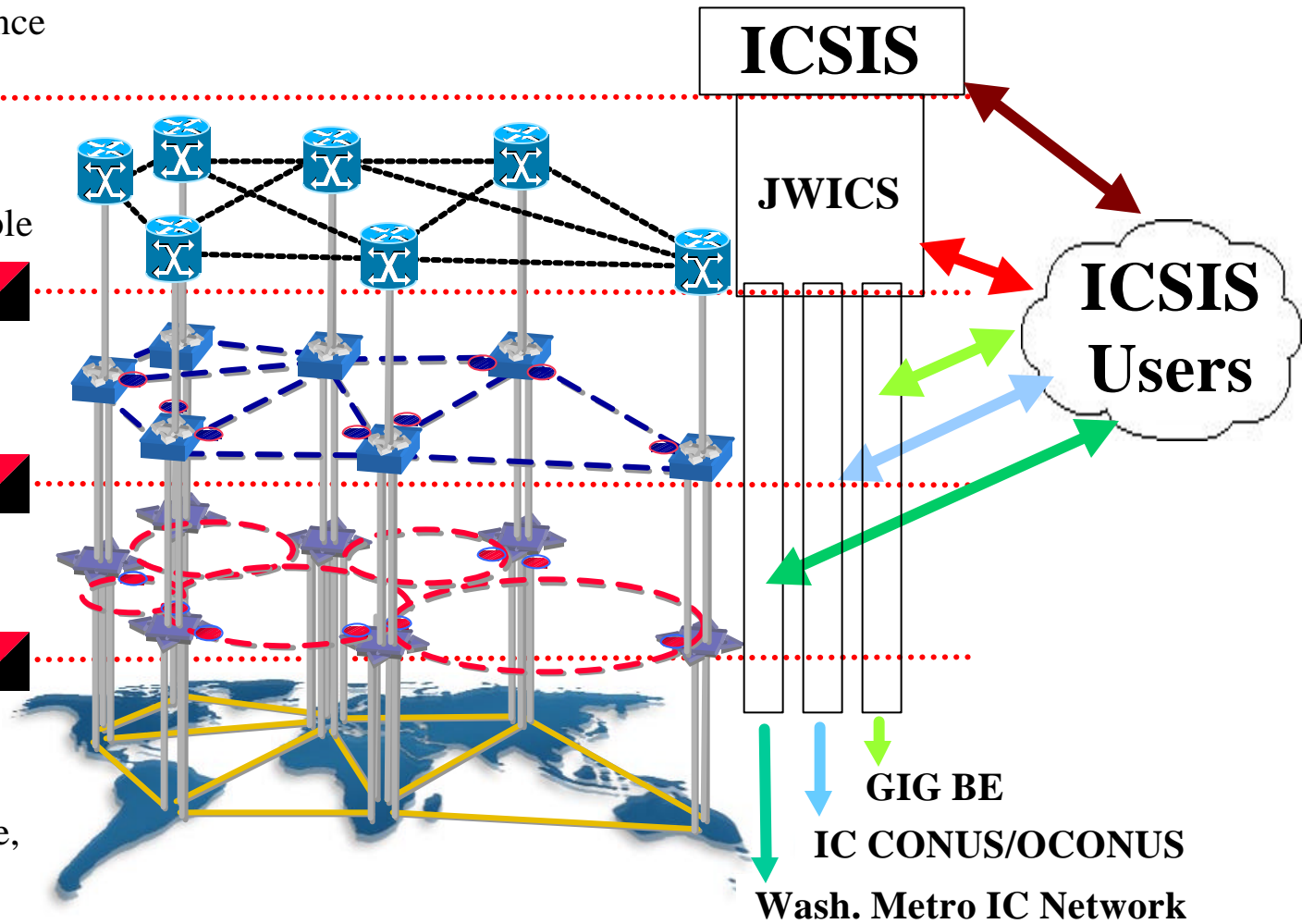
Dynamic, secure, switched, flexible infrastructure

SONET

Reliable, secure bulk data transport

WDM

Wavelength services
Very high speed, secure, high capacity lines





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