


Collaboration Challenges for Transformational Communications

A satellite communication diagram. A satellite is shown in orbit above Earth. A green grid of lines represents communication paths or data links. Several blue beams of light represent signals being transmitted from the satellite to a ground station on the Earth's surface. The ground station is depicted as a circular platform with a cross-like symbol. The background shows a view of Earth from space, with a coastline and some buildings visible.



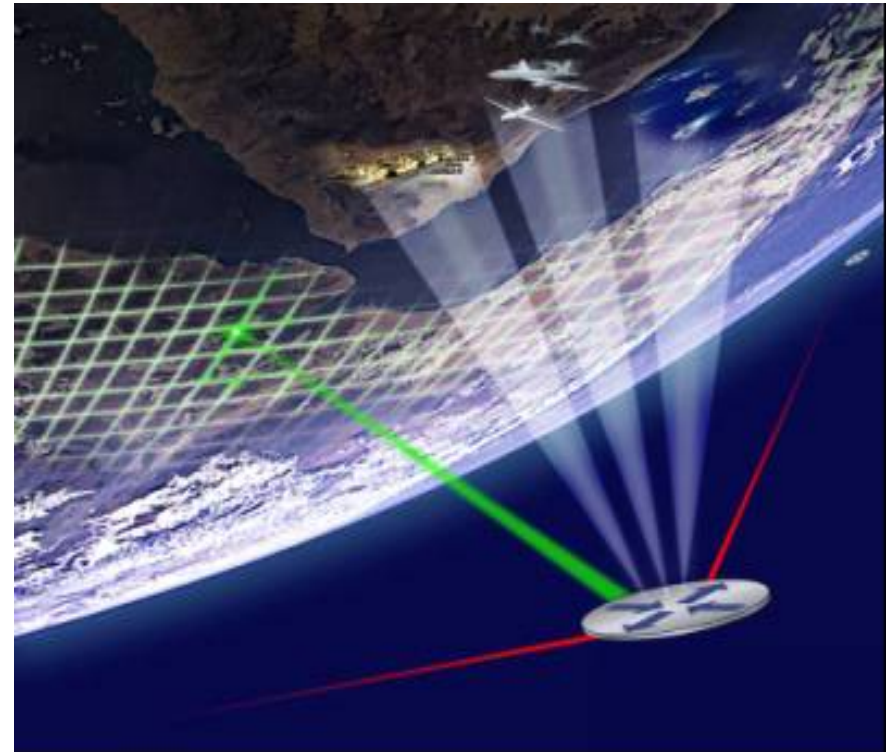
Transformational Communications (TC) Vision



The **internet-like transport architecture** of the Global Information Grid (GIG) linking space, air and ground nodes

- Integrated Space, Air and Ground Networks
- Global access to deployed / mobile Users **(COTM)**
- Timely delivery of air and space data to Theater and CONUS **(AISR, SISR support)**
- Automated, dynamic, high assurance network operations
- Increased capacity and connectivity: RF and laser communications network

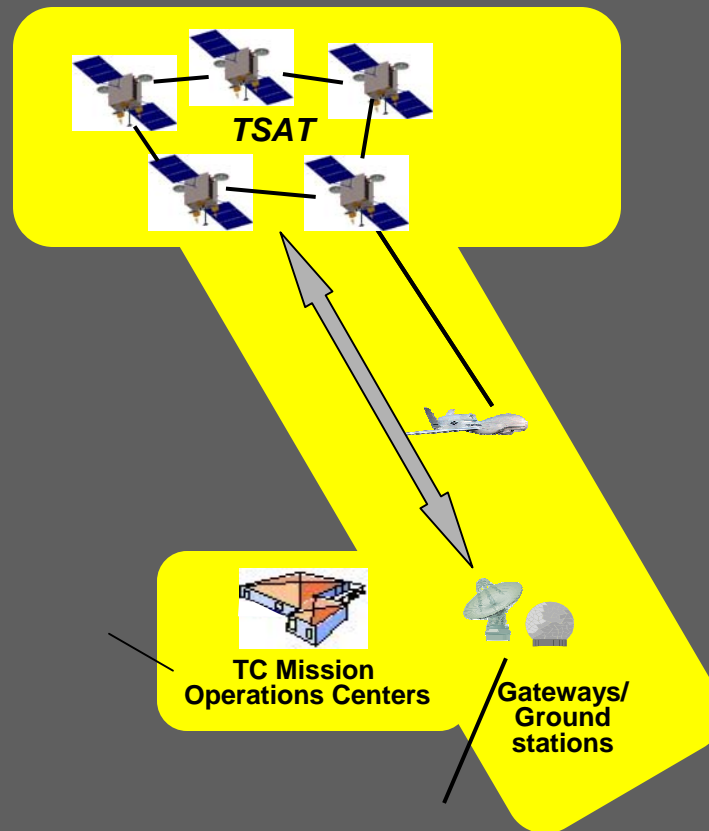
Network of Networks



Enable Future Innovations and Growth Through A Flexible Yet Secure Network Architecture



TC Architecture Circa 2015



Plus SE&I Support

AF TC Acquisitions



Net-Centric Communications Requires Collaboration



■ Acquisition

- Collaboration across contracts and contractors
- Synchronization of programs across multiple organizations
- Common standards, protocols, and interfaces
- Common information assurance framework
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■ Operations

- Shared common operational picture
- Coordinated responses to network security threats and attacks
- Consistent network policies
- Consistent Service Level Agreements
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