

Effective Trusted Internet Connection Implementation Strategies

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Implementation Issues

- Background
- Challenges
- Opportunities
- TIC Placement
- Agency Conclusion

Background

- Trusted Internet Connections (TIC)
 - Number of connections November 19 = reduced from 4,500+ to 2,578, target <100
 - Complex Implementation extended Service Provider Option
- Networkx contract modification completed in February 2009 (AT&T) to add TIC services –
- OMB to establish new deadline

Challenges

- Execution Deadlines
 - Initial Compliance Agreements and Measures
 - Target Agency Implementation Plan
- Internal Management Issues
 - Configuration Management
 - Capacity Management
 - Total Cost of Ownership
- External Management Issues
 - SLA with TICAP
 - OMB / DHS Partnering and Compliance Issues

Opportunities

- Centralized Internet Access Points
 - Immediate benefit to Agencies
 - Increased situational awareness of INTERNET communications
 - Long Term benefit to Agencies
 - Catalog and monitoring of external agency connections
 - Improved configuration management
 - Enables network optimization
 - Lowers cost of network ownership over time

TIC Placement

The use of the Network Contract will allow enhanced agency flexibility

- Central Model - All Internet traffic passes through one or two TIC points of presence
- Distributed or “Cloud” Model – Internet traffic passes through multiple TIC points of presence provided through the carrier agreement

Agency Conclusion

- The use of the Networx Contract will improve federal computer network security
 - Positive impacts for sustainment of our CIP
 - Agencies free to apply greater focus on internal security and intranet optimization