# GSA

# Modernize WAN with Ethernet
## Can your legacy T1 and T3 circuits meet current and future demands?

## 1 ETHERNET HIGHLIGHTS

- Fully mature technology with mainstream implementation to connect networks, data centers, cloud services, and the Internet

- The dominant technology for Enterprise Networks to replace T1, T3, OC-3, OC-12, OC-48 & OC-192 connectivity

- Widely available worldwide with speeds from 1 Mbps to 100 Gbps

- Well-defined interfaces with the latest cybersecurity technologies

- Cost-efficient and significantly less per megabit

## 2 HOW TO GET IT

- Available using the Enterprise Infrastructure Solutions (EIS) Contract

- Ethernet Transport Service (ETS) — Dedicated or Shared
  - Ethernet Private E-LAN — Connect three or more sites
  - Ethernet Private E-LINE — Connect two sites, point-to-point

- Virtual Private Network Service (VPNS) with Ethernet Interface

- Internet Protocol Service (IPS) with Ethernet Interface

- Managed Trusted Internet Protocol Service (MTIPS) with Ethernet Interface

- Acccess Arrangements (AA) with Ethernet Interface

## 3 BUSINESS VALUE

- Meet current and future organizational demands for higher bandwidth at lower cost per megabit and reduced provisioning time

- Increased performance and agility with scalable and predefined bandwidth-on-demand or burstable bandwidths

- Savings between 40-56% by replacing Access Arrangements of T1, T3 & OCn with Ethernet as determined in a GSA savings analysis

- Cost-effective replacement for sunsetting T1 & T3 services and equipment

## 4 RECOMMENDATIONS

- Utilize GSA tools to implement Ethernet with EIS
  - Quick-start solicitation templates to modernize agency networks with Ethernet
  - Solicitation Assist Tool - assists agencies in writing EIS solicitation documents
  - Online Pricer Tool - obtain pricing and service guides of EIS services

- Use Ethernet for high bandwidth network, datacenters, cloud and Internet connections

- Replace legacy Private Line Service with Ethernet E-Line

- Use Scalable Ethernet for locations with forecasted bandwidth growth and Burstable Ethernet for surge demands for bandwidth