

MTIPS

Managed trusted internet protocol services.

Trusted Internet Connections Access Provider (TICAP)

The Managed Trusted Internet Protocol Service (MTIPS) allows agencies to physically and logically connect to the public Internet or other external connections in full compliance with the Office of Management and Budget's (OMB) Trusted Internet Connections (TIC) initiative (M-08-05), announced in November 2007 in support of Homeland Security Presidential Directive (HSPD) 23. MTIPS facilitates the reduction of the number of Internet connections in government networks and provides standard security services to all government users.

A History of Protection for Federal Agencies, Support and Innovation for Today

Lumen was the first MTIPS provider to complete the TIC capability validation (TCV) from the Department of Homeland Security (DHS) and received an ATO from the (General Services Administration) GSA in 2010 for our two geographically diverse TIC Portals. Lumen has provisioned MTIPS to more than forty agencies, ranging in access speeds from 1.544 Mbps (T1) to 10Gbps (10GigE). We have consistently maintained our ATO along with an annual DHS US-CERT TCV assessment score of 100% for all of the 74 critical and recommended MTIPS capabilities, since 2010. Lumen is committed to maintaining our MTIPS ATO as the government's security requirements evolve to address emerging cybersecurity threats, as a participant in the National Cyber Protection System (NCPS) program and service to government agencies via Lumen's Federal Network Operating Centers in Arlington, VA and St. Paul, MN; two Security Operating Centers in San Diego, CA and Columbia, MD; and two TIC portals in Sterling, VA and Chicago, IL.

Why Customers Choose Lumen

Network Reach and Reliability

With a comprehensive suite of networking solutions that adapt to evolving business needs, we provide connections for virtually wherever your agency is located.

Technology Expertise and Relevance

Our networking, communications, information and security expertise is integral to our collaboration with government agencies.

Exceptional Customer Experience

We understand that you need to focus on your mission. Our committed and experienced team and partners are here to collaborate and to work with you.

Secure Connectivity

Whether network-based or premises-based, our security solutions leverage our reach, scale, visibility, and advanced threat intelligence tools and expertise to help protect your data and applications from threats.



Connectivity - Cloud - Security

LUMEN®

Lumen's Key MTIPS Features and Benefits

Lumen MTIPS Features	Lumen MTIPS Benefits
Bandwidth Scalability	An MTIPS infrastructure that has been engineered to be scalable as the government's bandwidth needs increase to accommodate system and user demand.
High Reliability	Engineered to exceed 99.999 percent POP-to-MTIPS network availability. Network transport links are implemented with a high degree of protection and redundancy along with sub 50 ms switchover.
Migration of Custom Signatures	Capability to easily migrate custom signatures during an agency's implementation/transition.
Virtual Domain (VDOM)	VDOMs divide the MTIPS unified threat management (UTM) into two or more virtual instances that function independently. Each VDOM has its own logical interface, routing configuration, and security policies that allow component-specific rule sets that enable the components to manage their specific network segments. Our VDOM architecture scales to support multiple agencies without impact to the service.
Private MPLS/VPNS Transport Backbone	The IP/MPLS backbone uses a fully redundant architecture for resiliency with primary and backup transport circuits. Every core router connects with redundant, diverse circuits.

Additional MTIPS Capabilities

- Lumen Oversight
- TIC 2.2 Compliant with all 74 Capabilities
- Dual TIC Hosting Sites (Expanding to Four Locations)
- Geographically Dispersed Security Operations Centers; 24/7/365 Proactive Monitoring and Security Management
- Geographically Dispersed Network Operations Centers; 24/7/365 Managed Repair
- Distributed Denial of Service (DDoS Protection)
- Advanced email filtering and scanning
- Extranet and Remote Access
- Intrusion Detection and Prevention Systems connect to and interoperate with the agency's network
- Data Loss Prevention
- Managed Domain Name Service; DNS Logging; DNSSEC ready
- Inline Malware detection
- DNS Logging
- IPV6 - Ready
- Stateful inspection, filtering, blocking, and alerting of all inbound and outbound agency IPv4/IPv6 traffic
- Protocols such as ICMP, TCP, and UDP
- DNS Logging
- Custom Security Assessment and Authorization Support (AS&A, Formerly C&A)
- Intuitive, Powerful Management Portal
- Encrypted Traffic

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