

# Lumen Trusted Internet Connection Services—Flexible TIC 3.0 service

Securely access workloads from virtually anywhere utilizing high-performing Cloud technology.

## Benefits

- **Minimize Latency and Maximize Performance.** Our Branch Office and Remote Workers solution provides a more direct path from user to workload than alternatives that back-haul traffic to static choke points. Lumen's connection client provides reliable throughput so that you can get work done without frustration.
- **Enhanced User Experience.** The overhead of typical VPN agents can severely impact the end-user's throughput. When the user logs on, the connection client auto-hunts for the optimal path to the best SASE instance. This helps ensure the user is closest to the resource they need.
- **Greater Flexibility.** Our SASE solution delivers on the flexibility provided by CISA in the updated TIC guidance enabling agencies to tailor their portfolio of compliant access solutions and offering choices to their user constituency.
- **Security Modernization and Network Optimization.** Identity-based policy enforcement moves beyond packet-based security, while the network agnostic service enables greater flexibility for the enterprise network architecture..
- **Cost Effective.** Compared to traditional TICAP and VPN combinations, agencies will spend less, enabling more options in how they meet their user's needs for security connectivity.

Lumen TICS for Branch Office and Remote Workers gives agencies cost-effective flexibility to securely connect their branch office and remote users, designed to be compliant with federal mandates. Our solution enhances the end-user's experience by bringing them closer to the resources they need. Leveraging the value of Lumen Edge Computing helps agencies modernize their security and network with identity-based policy enforcement and network agnostic service; delivering security to protect the mission and our nation.

In alignment with the National Institute of Standards and Technology (NIST) Cybersecurity Framework, TICS address the protection, and detection portion of your cyber strategy.

The way network is used has changed and so have our adversaries. While TIC 3.0 has told federal civilian executive branch agencies what to do it does not tell them how to do it. Lumen TICS for Branch Office and Remote Workers provides a full managed solution. Take care of your mandates with our solution designed to cover required security capabilities, addresses NCPS CLAW, and optimizes your visibility and user's experience.

## Technical features and capabilities

- **Meets Federal mandates** – agencies are burdened with complex mandates and requirements that inhibit modernization. Our solution simplifies that by addressing the needs, clearly showing CISO's how we meet their compliance needs (TIC, NCPS, FIPS, Risk Management, Authorization & Accreditation, FedRAMP, FITARA, Executive Orders, Cloud First, Datacenter Modernization, Use of Shared Services, etc.)
- **Offers Flexibility** – provides agencies with a complete solution that allows them to utilize network usage patterns covered under the new TIC 3.0 guidance; end-users can now connect more directly to their target workloads, or the Internet.
- **Cost Effective** – security is more affordable when only the required capabilities are deployed. TIC 2.2 requirements defined security capabilities as an all-inclusive solution and the result was some security capabilities had to be paid for but were not used. In addition, this service competes favorably on price vs legacy TICAP and VPN solutions. Because of per seat pricing, smaller agencies, or components may now find a solution that meets their needs and budget.
- **Fully Managed Service** – addresses the TIC 3.0 Branch Office and Remote User use-cases plus accounts for NCPS, simplifying the adoption of the service and may help shift an agency from on-premise hardware-based solutions to off-premise Cloud based solutions (see mandates above)
- **24/7 Proactive Monitoring and Alerting** – our MSS FedSOC is annually assessed by a third-party assessment organization (3PAO) for FISMA high impact level compliance and is operated geographically diverse and highly-resilient. Our highly skilled and certified security engineers assist agency tier 1 help desks in addition to monitoring and managing the events generated by service use, proactively alerting customers of known or suspected malicious activity, and assisting agency Incident Response teams by providing data and configuration details as needed.
- **Cloud components** – the cloud portion of the service and has received ATO (Authority to Operate) under a General Services Administration (GSA) FedRAMP moderate accreditation.
- **Full IPv6 operational (estimated full compliance 2Q22)** – all aspects of the service will be fully compliant, which not only supports another federal mandate but eases the demand for IP address in agencies who are truly constrained by lack of IPv4 address space in agencies who are truly constrained by lack of IPv4 address space.
- **Identity-based security policies** – where legacy tool chains are oriented to packets and are forced to assemble situational awareness from many discrete bits of data; because making that is hard, our service more resembles modern software and directly reports on the user's activities minimizing the dwell time of adversaries and maximizing the effectiveness of security operations.
- **Leverages substantial investment in MSS FedSOC** – Lumen has recently completed a major overhaul of our MSS FedSOC capabilities, infrastructure, and operations – modern security service gets the very latest security support.
- **Service Level Agreements** – our service is fully capable of delivering service to the agency per the stringent EIS contract MSS requirements, and Lumen stands behind our service and is fully committed to serving our customers.

### A history of innovative security solutions for the federal government

Lumen has been a long-standing innovator of federal civilian executive branch network security through products including MTIPS, IPSS, and ECS

- Lumen has been a TIC provider since the very beginning in 2007
- First to successfully complete TCV validation in 2009
- Achieved GSA ATO in 2010
- Continuously scored 100% on TCV assessments ever since
- Lumen has been an Einstein program participant since 2011