Secure Modernization and Adoption of TIC 3.0 with EIS and the MSS Trusted Internet Connections Service (TICS)
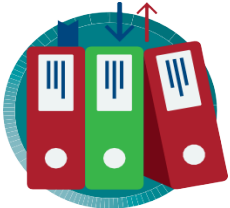
Is your agency ready to adopt TIC 3.0?

Use Case Highlights

- Provides a networking and cybersecurity solution to meet the guidance provided by the Office of Management and Budget (OMB) and Cybersecurity and Infrastructure Security Agency (CISA) for the TIC program.

- CISA has released updated TIC 3.0 Core Guidance Documents with updates to the Security Capabilities Catalog, Branch Office Use Case, Remote User Use Case, Cloud Use Case, and the Response to Comments on Cloud Use Case.

- Leverage advances in technology to secure a wide spectrum of agency network architectures.

- With TIC 3.0, agencies have been given more flexibility to decide how their workforce may securely access applications, data, and internet within their enterprises regardless of location.

- TIC 3.0 is a fundamental component and enabler of a Zero Trust Architecture (ZTA).

- Leveraging Managed Security Services (MSS) TICS, possibly in conjunction with the SD-WAN Service (SDWANS), MSS, Managed Network Service (MNS), Software as a Service (SaaS), Broadband Internet Service (BIS), and other Enterprise Infrastructure Solutions (EIS) services while following the CISA TIC guidance will produce a safe, flexible, and repeatable TICS solution for the agency that addresses the TIC 3.0 security objectives.

How to Get It

Add requirements to your GSA EIS solicitation to include the MSS TICS and other supporting EIS services. Other GSA contracts such as the Multiple Award Schedule (MAS) and Governmentwide Acquisition Contracts (GWACs) may also support your transition and support of integrated or managed TIC 3.0 solutions.

- Consider your remote-access traffic patterns and perform an assessment on split tunneling to enable more direct-to-cloud access for productivity applications such as Microsoft 365® and Google Workspace®.

- Consider implementing Software-Defined Wide Area Networking (SD-WAN) and the TIC 3.0 Branch Office Use Case to increase user experience while potentially reducing costs.

- Consider a managed or co-managed solution using EIS MNS or MSS services.

- Increase available bandwidth with the BIS.

- Reach out to your GSA Solutions Broker to engage GSA resources for assistance with reviews of your current architecture to identify areas for modernization and for solicitation

advice leveraging GSA EIS tools, products, and services.

GSA can also assist agencies with:

- Solicitation templates for wide area network (WAN) modernization
- Scope reviews of solicitations
- Technical consultation to help plan out your TIC 3.0 journey
- Service-provider coordination and contract support

Business Value

- Improve security and user experience with MSS TICS and other EIS services to implement TIC 3.0.
- Demonstrate your agency's commitment to IT modernization.
- Implementation can significantly lower network management costs with centralized control and orchestration.

Recommendations

- Agencies should review the Trusted Internet Connections (TIC) 3.0 Core Guidance Documents.

- Agencies should reference CISA's Program Guidebook, Reference Architecture, and Security Capabilities Catalog to determine how to protect their environments and comply with their risk management strategy and the security considerations outlined in TIC use cases including the Traditional, Branch Office, Remote User, and Cloud.

- Agencies should consider implementing TIC 3.0 as part of a larger comprehensive network modernization strategy with other components such as Software Defined, Cloud, Shared Services, and Zero Trust. **Implementing TIC 3.0 Guidance**
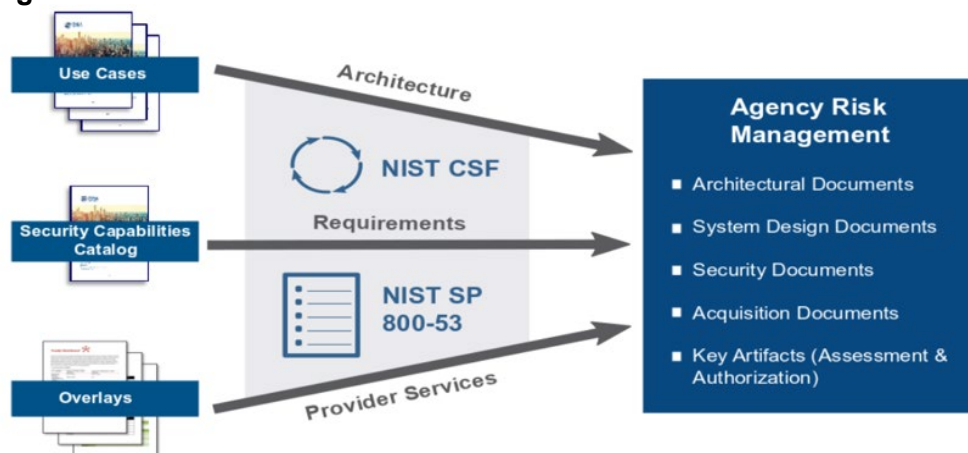
For more information
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