

How Agencies like CISA are Preparing Federal Organizations for Secure, Reliable 5G



Given the massive impact of 5G on federal operations now and in the future, it makes sense for federal agencies focused on infrastructure and technology to make concerted efforts in preparing other federal organizations for the transformation. For example, the Cybersecurity and Infrastructure Security Agency (CISA) has put forth a 5G hub of sorts, offering valuable information about reliable 5G, its capabilities, and how to ensure its security and resiliency as it becomes more widely adopted.

As part of this effort, CISA created an entire series titled “Security Guidance for 5G Cloud Infrastructure” that’s focused on security guidelines for agencies and technology providers to utilize as they formulate their 5G strategies moving forward. In [Part IV](#) of this series, which

was released in December 2021, the focus is on ensuring the integrity of cloud infrastructure and mitigating cyber threats at the design phase of these initiatives.

“5G networks, which are cloud-native, will be a lucrative target for cyber threat actors who wish to deny or degrade network resources or otherwise compromise information,” the piece noted. “To counter this threat, it is imperative that 5G cloud infrastructures be built and configured securely, with capabilities in place to detect and respond to threats, providing a hardened environment for deploying secure network functions. It is also important that 5G network functions be implemented using security best practices.”



5G networks, which are cloud-native, will be a lucrative target for cyber threat actors who wish to deny or degrade network resources or otherwise compromise information.

-Security Guidance for 5G Cloud Infrastructure Part IV, CISA

These are some of the crucial elements that federal agencies need to keep in mind as they select their technology partners in their journey to 5G connectivity, and the cloud in general. CISA itself exemplifies the value of these partnerships in how they interact with private industry and the development reliable 5G infrastructures.

“CISA relies on its partnership with the private sector to understand and manage risks posed to 5G technology,” it states in its [5G resource center](#). “With the promise of connectivity between billions of Internet of Things (IoT) devices, it is critical that CISA and industry collaborate to identify vulnerabilities and ensure that cybersecurity is prioritized within the design and development of 5G technology. By coordinating with 5G network providers, infrastructure technicians, and telecom companies CISA is helping ensure that risk mitigation techniques are consistently applied across the network – both for existing 4G LTE and new 5G deployment. Through meaningful risk dialogues, industry working groups, and partnerships, CISA can provide extensive value to industry players looking to shore up their security apparatus.”

Presidio Federal has echoed these sentiments, noting that the right technology partner can make all the difference for federal agencies navigating through their IT modernization journey. “Reliable 5G is changing the way the federal government operates and innovates. And while it’s understood that there is nowhere to look but forward for these organizations and how they utilize leading technologies, we want to ensure they are embarking on that journey with the right equipment and preparation.”



You can learn more about Presidio Federal’s expertise in 5G and cybersecurity [here](#).

ABOUT PRESIDIO FEDERAL

Presidio Government Solutions LLC, branded publicly as Presidio Federal, is a purpose-built and mission-driven IT services and solutions provider dedicated to serving the federal government. Presidio Government Solutions leverages its wealth of experience and deep relationships across its partner ecosystem, creating an environment of active collaboration and real-time responsiveness.

The company develops and delivers the most advanced technologies, like Dell Technologies, through expert knowledge centers in automation, augmentation, cloud, cybersecurity, digital infrastructure, and collaboration.

Presidio Government Solutions is a wholly owned subsidiary of Presidio.