

Tuesday, October 22, 2024

10:30 am - 10:50 am

The New Network Landscape: Transitioning to Wi-Fi6E and Wi-Fi7

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Abstract:

Many DoD entities are either currently implementing Wi-Fi for the first time or enhancing their deployment as users are migrated from primarily wired to wireless.

This session will facilitate those efforts by highlighting recent changes in Wi-Fi standards including Wi-Fi 6e (which adds the 6 GHz spectrum) and Wi-Fi 7. The focus of the session will be on transitioning from previous standards, Wi-Fi 5 & 6, paying attention to important changes that can affect deployment. We'll distinguish fact from fiction in 6 GHz Wi-Fi and help you plan for adoption of these newer standards.

During the session, we will explore the following key concepts:

- Intro: Spectrum vs Standards
- 2.4 GHz, 5 GHz, and 6 GHz technology comparison
- Challenges in 6 GHz wireless operation (that you might not know about)
- FIPS 140-3 and 6 GHz APs
- Switch/Cable requirements for Wi-Fi 6e/7