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Episode #99

# IT SECURITY

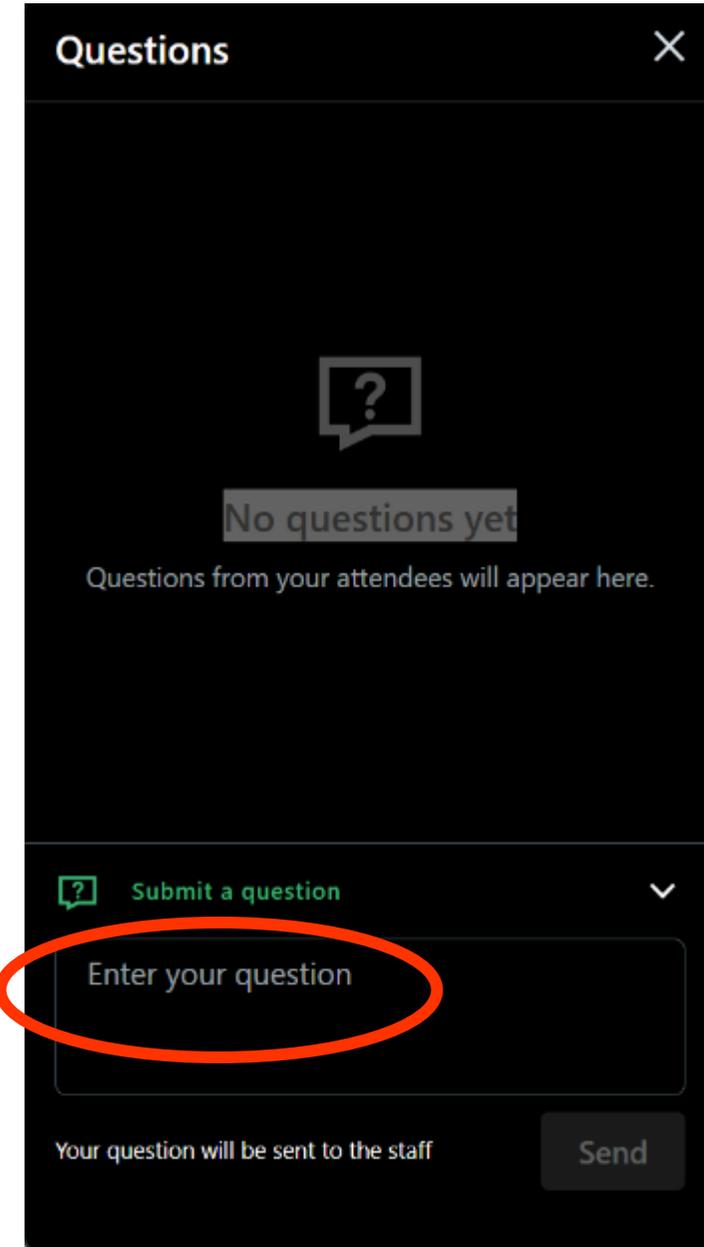
# Your questions please?



1. Find Questions symbol on the webinar control menu.
2. Please enter your questions in the text box of the webinar control panel window. (remember to press send)



Remember: The completion of a Nautel webinar qualifies for ½ SBE re-certification credit, identified under Category I of the Re-certification Schedule for SBE Certifications.



Rodine S	Can you please arrange a Webinar on the architecture of Digital Terrestrial Television (DTT) Infrastructure? Also
Joe	What are your opinions for PFSense, or concerns?
Ted	Folks who may be on a budget use Barix boxes to get audio to their transmitter site
Joseph	At the high end you have Cisco, at the low end port forwarding. Where does Unifi fit?
frank	For notifications, I made channels in our company's Slack messaging for alerts. They act similar to SMS, but are easier to mute.
Nilorier	What is the most effective way to monitor and quickly troubleshoot signal loss in the transmission path (such as RDS failure)
Jim	What is the most pressing AI governance issue at this time?
Gregory	What IT equipment is approved and should be used for processing classified information?
Jhonatan	Fuentes PA vs2.5 por que al a ver fluctencias de voltaje fallan las fuentes y al reiniciar el equipo se estabiliza
Joe	Recommendations for mobile device friendly VPN's?
Jerry	What are bandwidth requirements for RDS data feeds? Are there different levels?



# ROUTERS

What are your opinions for PFSense, or concerns?

The Federal Communications Commission has placed a ban on all new consumer routers made outside of the U.S. That leaves American consumers with one very difficult-to-answer question: Is there any Wi-Fi router they can actually buy now?

<https://www.forbes.com/sites/barrycollins/2026/03/24/has-the-us-just-banned-consumers-from-buying-any-wi-fi-router/>

The US has banned new foreign-made consumer internet routers over national security concerns.

In an update on Monday to a list of equipment seen as not secure enough for use, the Federal Communications Commission (FCC) added all consumer-grade routers made outside the US.

<https://www.bbc.com/news/articles/c74787w149zo>



# CODECS

Folks who may be on a budget use Barix boxes to get audio to their transmitter site

 SHODAN Explore Pricing [↗](#) barix

TOTAL RESULTS

549

 SHODAN Explore Pricing [↗](#) COMREX

TOTAL RESULTS

1,898

 SHODAN Explore Pricing [↗](#) TIELINE

TOTAL RESULTS

10,537

 View Report



# IP LINKS

At the top end you have Cisco at the low end port forwarding. Where does Unifi fit?

The screenshot displays the UniFi Network Controller interface for a site named 'Portland'. The top navigation bar includes 'Network' and 'UniFi' branding. The main area is divided into several sections:

- Channel Planning:** A grid showing available channels for 6 GHz (5935-6515 MHz and 6535-7115 MHz) and 160 MHz. Channels are represented by numbered boxes, with some shaded to indicate they are used or unavailable.
- Air Quality:** A bar chart showing signal strength from -96 dBm to -48 dBm.
- Nearest Neighbours:** A table showing the channel and power level for nearby access points.
- Event Log:** A list of system events with timestamps.

Access Point	2.4 GHz	5 GHz	6 GHz
U7 Pro	1 (20 MHz, -60 dBm)	48 (80 MHz, -67 dBm)	229 (160 MHz, -75 dBm)
U7 Pro Wall	6 (20 MHz, -70 dBm)	44 (80 MHz, -60 dBm)	229 (160 MHz, -78 dBm)
U7 Pro Max	6 (20 MHz, -78 dBm)	43 (80 MHz, -72 dBm)	229 (160 MHz, -70 dBm)

Event	Date / Time
iPhone 15 Pro failed to receive DHCP when connecting.	Apr 22, 2025 9:55 AM
Moved to 40 from 44 to optimize its wireless performance.	Apr 22, 2025 10:25 PM
Changed from channel 36 to channel 40 resulting from a Channel Optimization.	Apr 22, 2025 6:45 PM
MacBook Pro 13 failed to associate to Office WiFi.	Apr 22, 2025 5:15 PM
Moved to 36 from 62 to optimize its wireless performance.	Apr 22, 2025 1:12 PM
Returned to DFS channel 52.	Apr 21, 2025 11:46 PM
Changed from channel 52 to channel 36 because radar was detected on the DFS channel.	Apr 21, 2025 11:31 PM
Changed from channel 40 to channel 52 resulting from a channel optimization.	Apr 21, 2025 10:10 PM
Was manually changed from channel 36 to channel 40.	Apr 21, 2025 5:32 PM



# NOTIFICATIONS

For notifications, I made channels in our company's Slack messaging for alerts. They act similar to SMS, but are easier to mute.

Pushover: Simple Notifications for Android, iPhone, iPad, and Desktop

Pushover is a service that provides real-time notifications on your devices. You can use...



 Pushover 

What other suggestions for sending alerts and notifications?

# RDS DATA

What is the most effective way to monitor and quickly troubleshoot signal loss in the transmission path (such as RDS failure)

What are bandwidth requirements for RDS data feeds? Are there different levels?



# AI

What is the most pressing AI governance issue at this time?

	<b>IT-Acceptable Generative Artificial Intelligence Use Policy</b>	<b>ITPOL-012 Rev: C</b>
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**UNCONTROLLED WHEN PRINTED - CHECK STATUS BEFORE USING**

## Revision History

Rev.	Change description	Name	Effective date
C	<a href="#">DCR- 2940</a> : Detailed acceptable use, acceptable tools and prohibited data from AI entry		28 Nov 2025
B	<a href="#">DCR-2673</a> : Required Approvals: Director of Customer Service removed, CFO or VP Finance added.		16 April 2024
A	<a href="#">DCR-2639</a> : Policy requires documentation control; therefore, they are moving from SharePoint to a controlled Confluence page.		18 JAN 2024

# Security

What IT equipment is approved and should be used for processing classified information?



# VPN

Recommendations for mobile device friendly VPNs?



TunnelBear is a public VPN service based in Toronto, Canada. It was created by Daniel Kaldor and Ryan Dochuk in 2011. In March 2018, TunnelBear was acquired by McAfee.

# Misc

Fuentes PA vs2.5 por que al a ver fluctencias de voltaje fallan las fuentes y al reiniciar el equipo se estabiliza

Can you please arrange a Webinar on the architecture of Digital Terrestrial Television (DTT) Infrastructure? Also



# Online Information



## **Webinars**

<https://www.nautel.com/resources/webinars/>



## **Nautel Waves Newsletter**

<https://www.nautel.com/newsletters/>



## **YouTube**

<http://www.youtube.com/user/NautelLtd>



## **Online Info, such as the Broadcasters' Desktop Resource**

<https://www.thebdr.net/>

# THANK YOU!



**Worry-Free**  
Transmission