Jeff Welton

Sales Manager, Central USA

Nautel

TRANSMISSION TALK TUESDAY

Episode #78

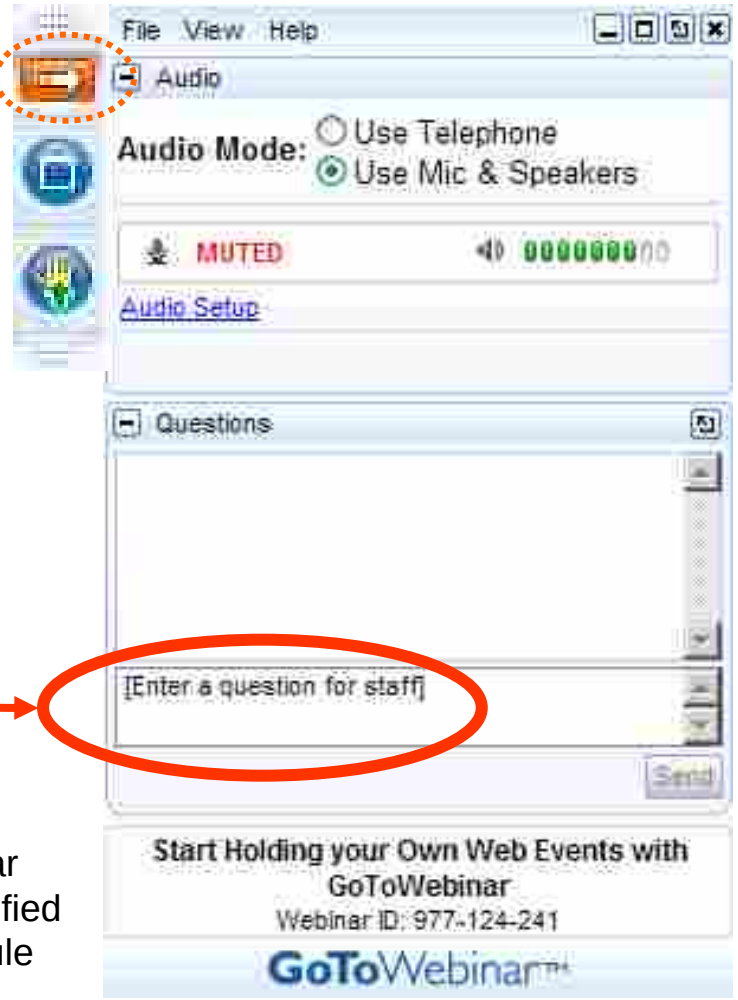
Holiday Recap Episode

nautel
AM/FM Radio Transmitters

Your questions please?

(if you don't see the control panel, click on the orange arrow icon to expand it)

Please enter your questions in the text box of the webinar control panel (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.

Advance Questions

Have you ever received any trade show goodie bag gifts that were useful in your work?

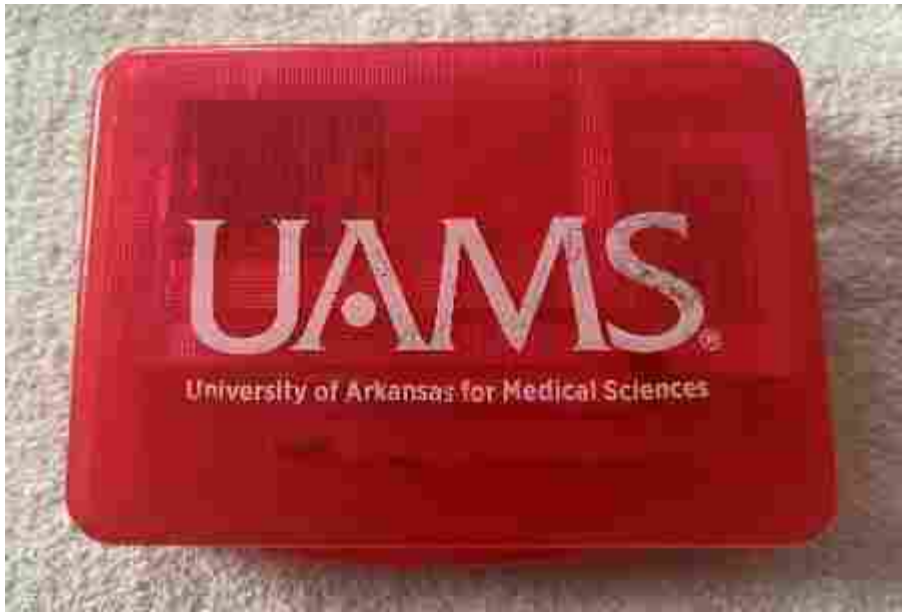
Cool Vendor Swag

TRANSMISSION TALK TUESDAY

Cool Vendor Swag

TRANSMISSION TALK TUESDAY

Cool Vendor Swag



TRANSMISSION TALK TUESDAY

Cool Vendor Swag

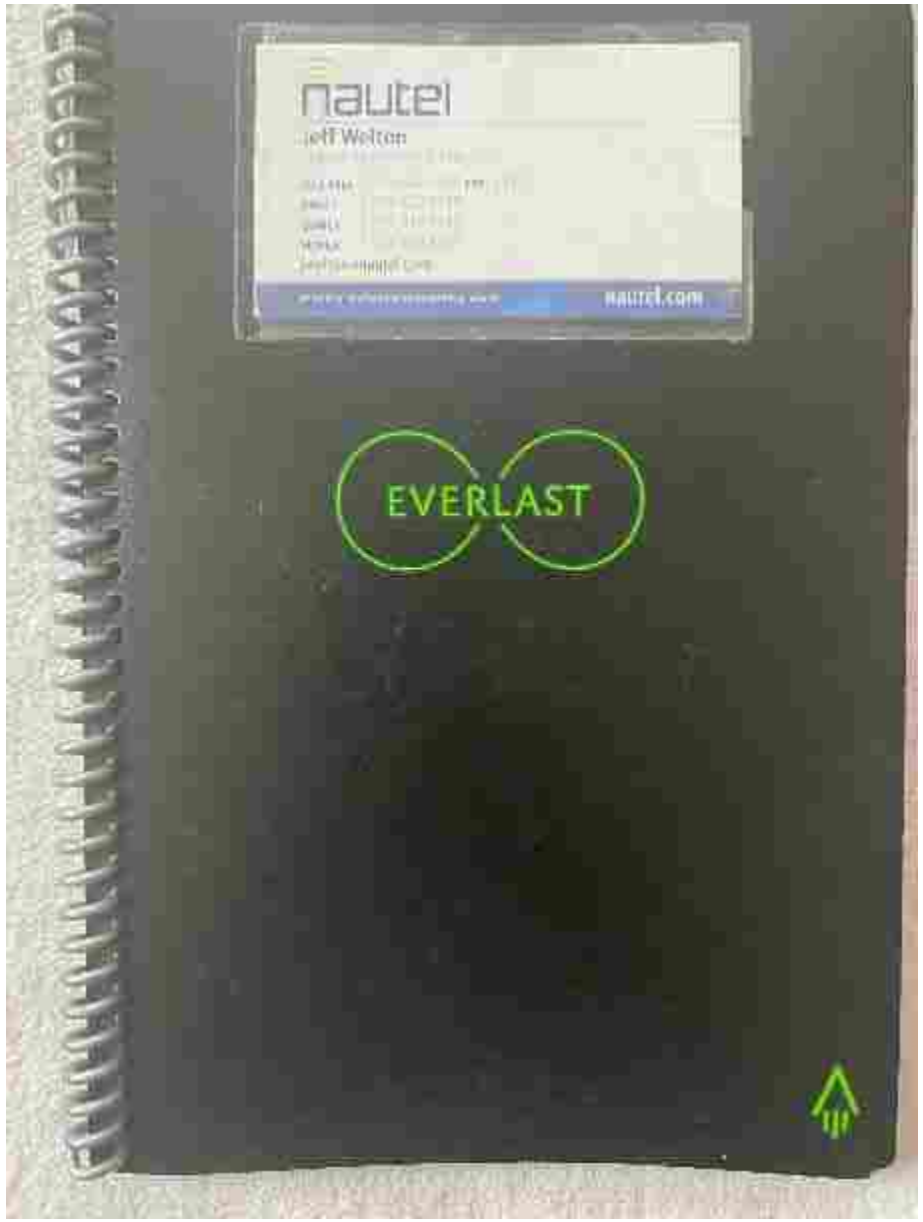
TRANSMISSION TALK TUESDAY

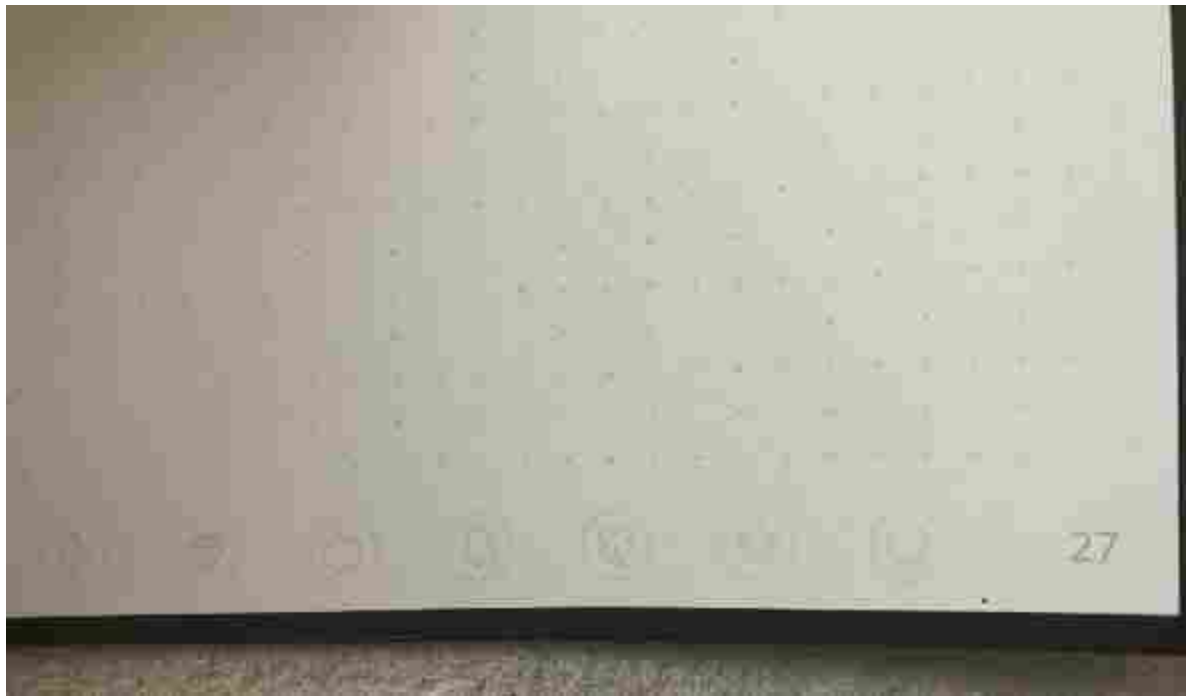
Other gift ideas

TRANSMISSION TALK TUESDAY

Other gift ideas

Other gift ideas





TRANSMISSION TALK TUESDAY

Yearly Recap - January

Jeff Welton
Sales Manager, Central USA
Nautel

Sean Edwards
Director RF Engineering
Shively Labs

Gary Cavell
President
Cavell, Mertz & Associates

TRANSMISSION TALK TUESDAY

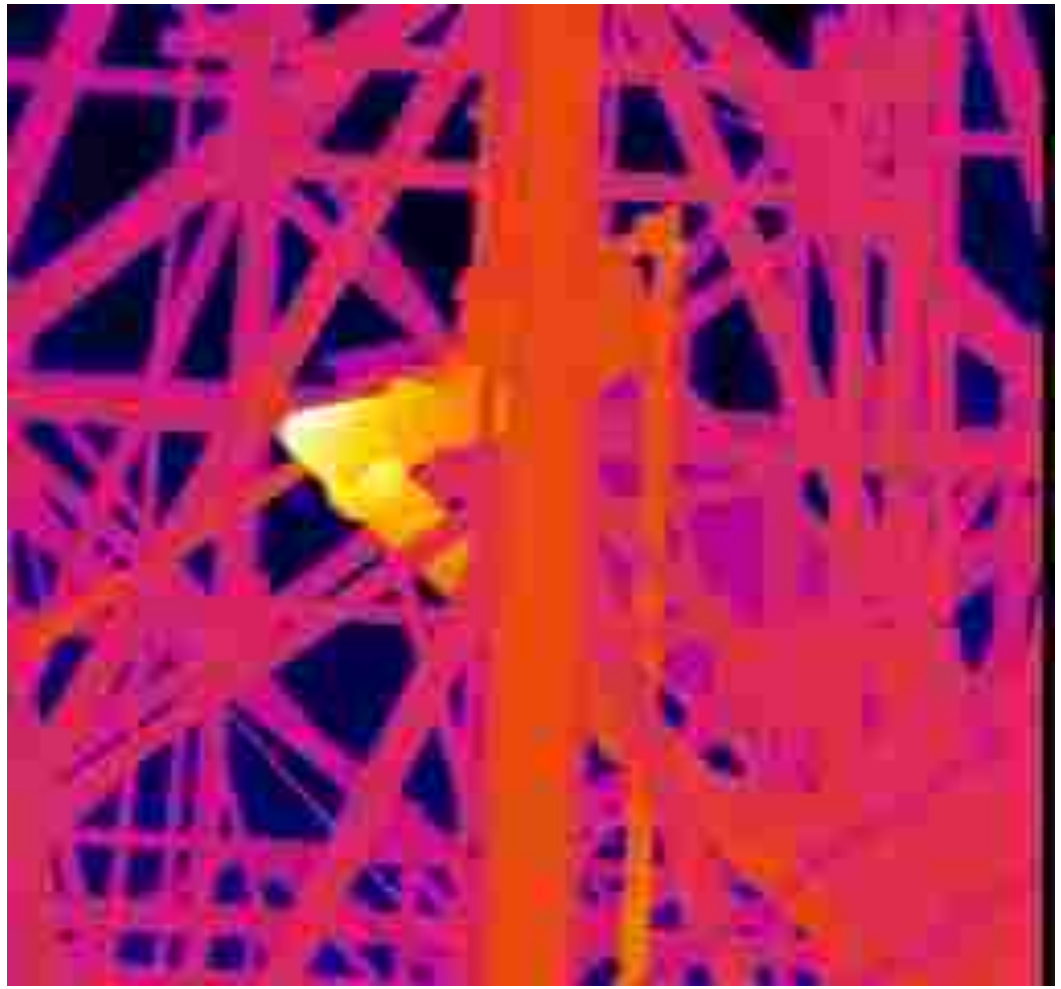
Episode #58

After the Transmitter,
What Comes Next?

nautel
AM/FM Radio Transmitters

TRANSMISSION TALK TUESDAY

Yearly Recap - January



TRANSMISSION TALK TUESDAY

Yearly Recap - February

Kevin Trueblood
Associate General Manager
WGCU Public Media

Episode #58

Transmitter Site Networking

Episode #60

IT Month

Networking Intro

(For Non-IT Types)

Aaron Read
IT & Engineering Director
Rhode Island Public Radio

Episode #61

IT Month

Partitioning & General Security

Alex Hartman
Broadcast Integration Specialist
Wisconsin Public Radio

Episode #62

IT Month

Configuring VPN

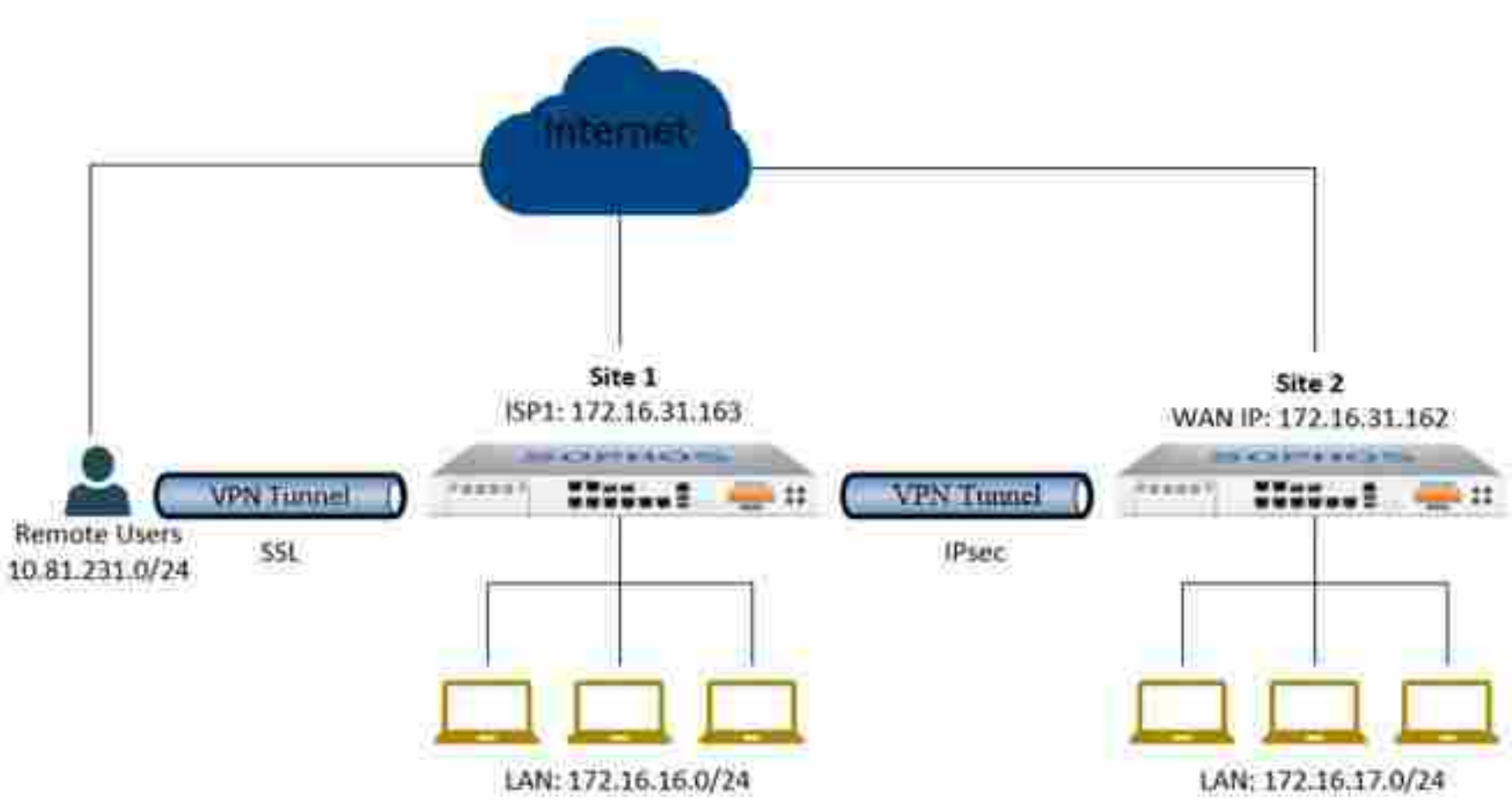
Episode #63

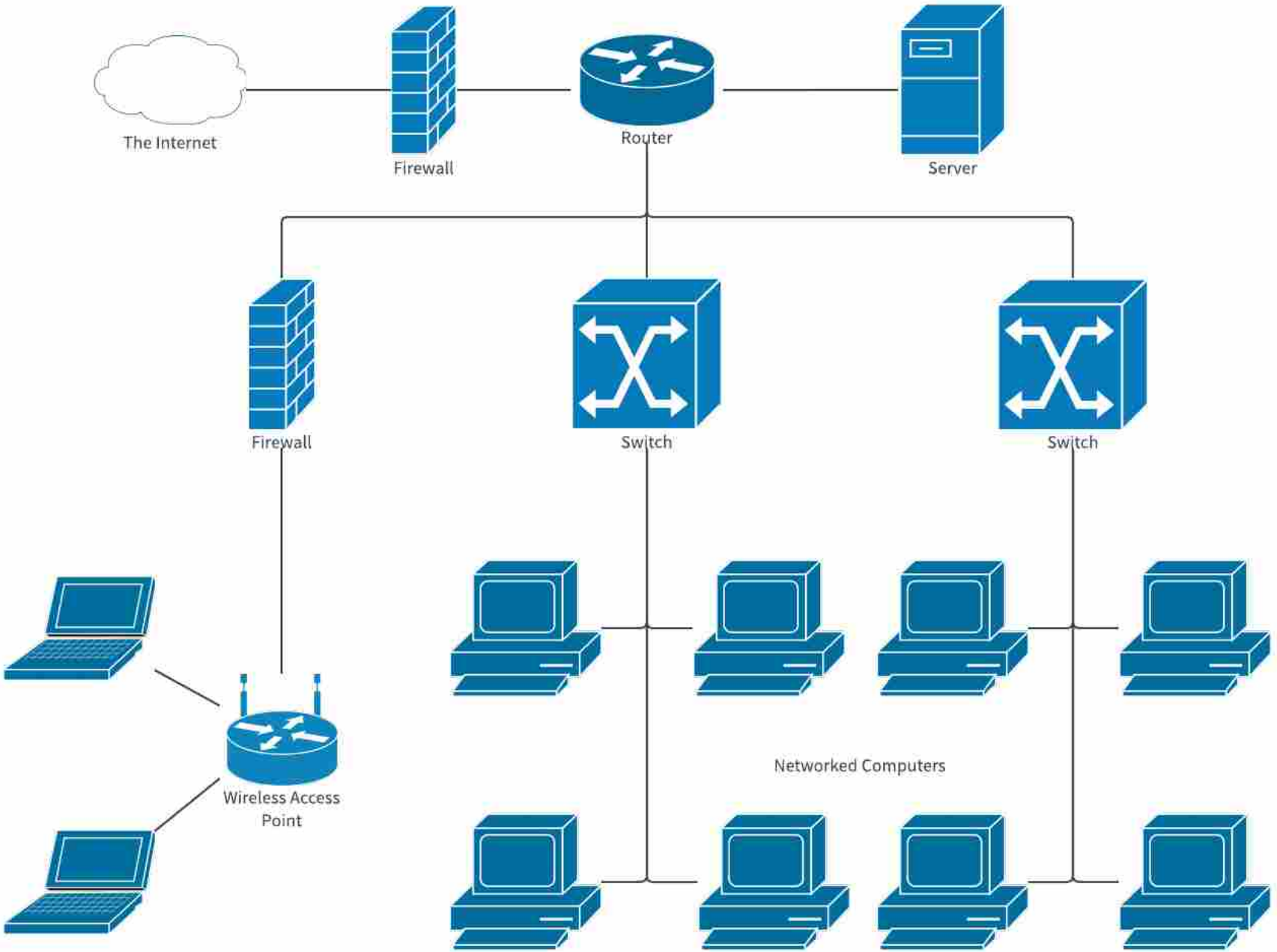
IT Month

Practical Applications & Installations

TRANSMISSION TALK TUESDAY

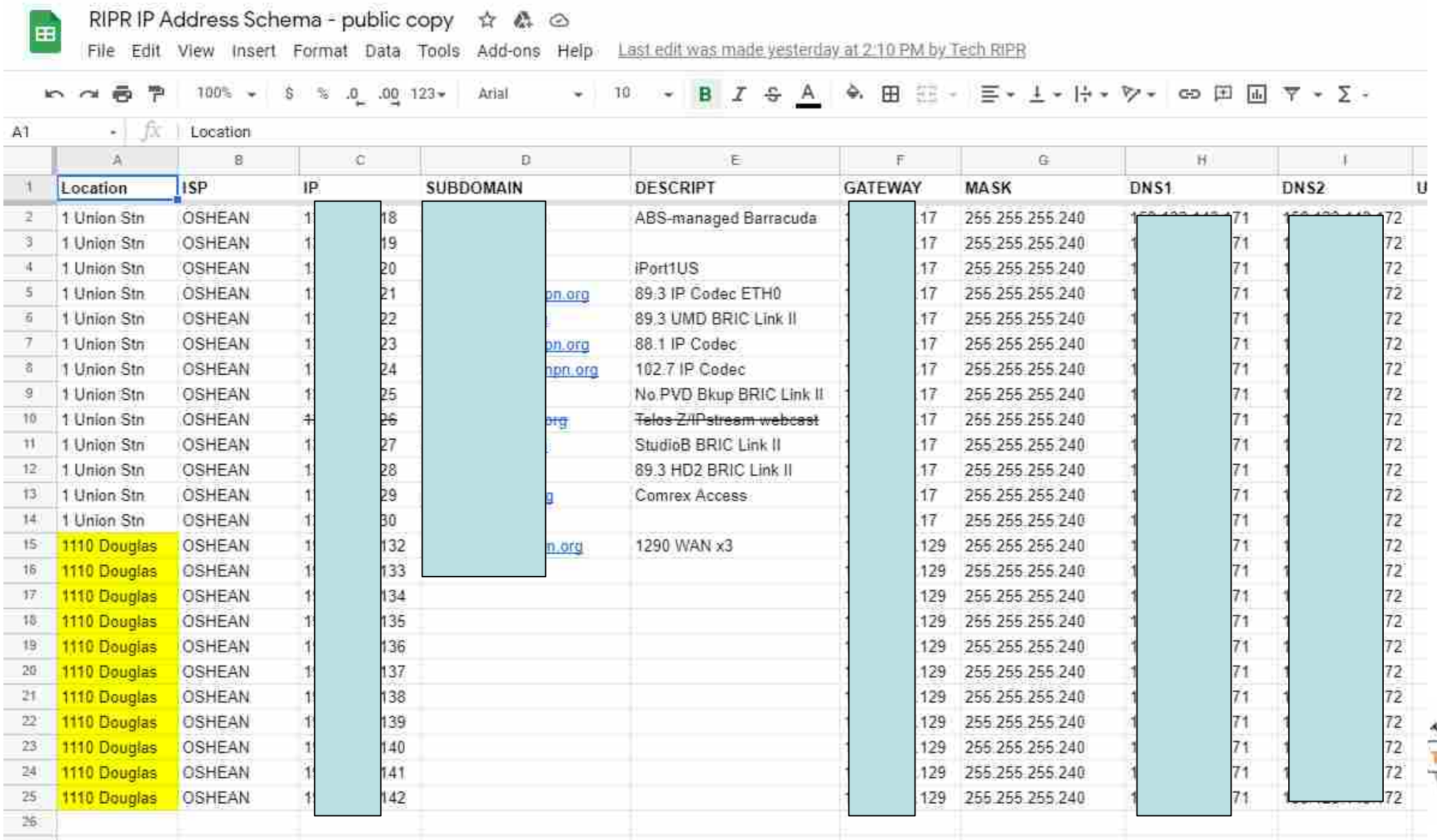
Yearly Recap - February





https://www.edrawmax.com/network-diagram/how-to-draw-a-network-diagram/

Know what you have



RIPR IP Address Schema - public copy

File Edit View Insert Format Data Tools Add-ons Help Last edit was made yesterday at 2:10 PM by Tech RIPR

A1 Location

	A	B	C	D	E	F	G	H	I	U
1	Location	ISP	IP	SUBDOMAIN	DESCRIPT	GATEWAY	MASK	DNS1	DNS2	
2	1 Union Stn	OSHEAN	1		ABS-managed Barracuda	.17	255.255.255.240	71	72	
3	1 Union Stn	OSHEAN	1			.17	255.255.255.240	71	72	
4	1 Union Stn	OSHEAN	1		iPort1US	.17	255.255.255.240	71	72	
5	1 Union Stn	OSHEAN	1		89.3 IP Codec ETH0	.17	255.255.255.240	71	72	
6	1 Union Stn	OSHEAN	1		89.3 UMD BRIC Link II	.17	255.255.255.240	71	72	
7	1 Union Stn	OSHEAN	1		88.1 IP Codec	.17	255.255.255.240	71	72	
8	1 Union Stn	OSHEAN	1		102.7 IP Codec	.17	255.255.255.240	71	72	
9	1 Union Stn	OSHEAN	1		No PVD Bkup BRIC Link II	.17	255.255.255.240	71	72	
10	1 Union Stn	OSHEAN	1		~~Telos Z/IPstream webcast~~	.17	255.255.255.240	71	72	
11	1 Union Stn	OSHEAN	1		StudioB BRIC Link II	.17	255.255.255.240	71	72	
12	1 Union Stn	OSHEAN	1		89.3 HD2 BRIC Link II	.17	255.255.255.240	71	72	
13	1 Union Stn	OSHEAN	1		Comrex Access	.17	255.255.255.240	71	72	
14	1 Union Stn	OSHEAN	1			.17	255.255.255.240	71	72	
15	1110 Douglas	OSHEAN	1		1290 WAN x3	.129	255.255.255.240	71	72	
16	1110 Douglas	OSHEAN	1			.129	255.255.255.240	71	72	
17	1110 Douglas	OSHEAN	1			.129	255.255.255.240	71	72	
18	1110 Douglas	OSHEAN	1			.129	255.255.255.240	71	72	
19	1110 Douglas	OSHEAN	1			.129	255.255.255.240	71	72	
20	1110 Douglas	OSHEAN	1			.129	255.255.255.240	71	72	
21	1110 Douglas	OSHEAN	1			.129	255.255.255.240	71	72	
22	1110 Douglas	OSHEAN	1			.129	255.255.255.240	71	72	
23	1110 Douglas	OSHEAN	1			.129	255.255.255.240	71	72	
24	1110 Douglas	OSHEAN	1			.129	255.255.255.240	71	72	
25	1110 Douglas	OSHEAN	1			.129	255.255.255.240	71	72	
26										

TRANSMISSION TALK TUESDAY

Yearly Recap - March

Jeff Welton
Sales Manager, Central USA
Nautel

Nathan Mumford
Director of Sales Engineering
RCS

Jeff Zigler
Senior Sales Engineer
RCS

TRANSMISSION TALK TUESDAY

Episode #64

What to do When Stuff Goes Sideways

nautel
AM/FM Radio Transmitters

TRANSMISSION TALK TUESDAY

Yearly Recap - March

TRANSMISSION TALK TUESDAY

Yearly Recap - April

Jeff Welton
Sales Manager, Central USA
Nautel

Kirk Harnack
Senior Systems Consultant
The Telos Alliance

Chuck Kelly
Retired Radio Guy
SBE Chapter 25

TRANSMISSION TALK TUESDAY

Episode #65

Moving Audio, Moving People and Surviving Vegas…

nautel
AM/FM Radio Transmitters

TRANSMISSION TALK TUESDAY

Yearly Recap - April

Annual NUG@NAB Event - Sunday, April 24, 2022

7:30	Registration opens		
8:30	Welcome:Great to be back! (Feedback forms (Eng/Esp))	Kevin (Jeff-housekeeping)	5
8:35	Industry Update: "What I'm Watching for at NAB" and Radio World Excellence in Engineering award presentations to Roz Clark and Jason Ornellas	Paul McLane	15
8:50	Industry Update "Car dashboard. Call to action" title to be confirmed	Ashruf El-Dinary. SVP of Engineering	20
9:10	Industry Update: Radio in a virtualized world… what does it really mean and why does it matter to me?	Marty Sacks, Executive VP Sales, Support & Marketing, Telos Alliance	15
9:25	** BREAK ** (KEEP THIS ~first hour)	** BREAK **	10
9:35	Product Update: Power supply updates for /extended product life, FAT	Adam Middlekoop, Nautel Customer Service	10
9:45	Product Update: New AUI & PhoneHome	Matt Hardon, Nautel Product Manager	10
9:55	Product Update: Transmitters	Matt Hardon, Nautel Product Manager & Guests	10
10:05	Product Update: Software Based Air-Chain	Philipp Schmid, Nautel CTO	20
10:25	** BREAK **		10
10:35	Tips n Tricks with Jeff Welton and Guests	Jeff Welton	60
11:35	Close w/ thanks & logistics	Kevin & ?	5

TRANSMISSION TALK TUESDAY

Yearly Recap - June

Peter Eckman
Principal
Peter Eckman Broadcast Consultants, Inc

Episode #67

The Thousand Foot View

Todd Loney
Broadcast Sales Manager
RFS

Mike Patton
President
Michael Patton and Associates

Episode #68

Care & Feeding of Your AM Array

TRANSMISSION TALK TUESDAY

Yearly Recap - June

NATE
THE COMMUNICATIONS INFRASTRUCTURE CONTRACTORS ASSOCIATION

Checklist for Evaluating Qualified Contractors

Name of Contractor: _____

Contact Person for Contractor: _____

Title: _____ Address: _____

Telephone: _____ Email: _____

☐ The contractor has insurance coverage required for the scope of work prior to commencing the work (e.g. worker's compensation; general liability; etc.). *(Attach Certificates of Insurance.)*

https://natehome.com/safety-education/safety-resources/qualified-contractors-evaluation-checklist/

TRANSMISSION TALK TUESDAY

Yearly Recap - June

Due Diligence (things to look for)

- Cracked insulators or capacitors
- Loose radials or ground strap poking out of ground
- Water damage in building
- Missing pieces
- Tower integrity
- Guy wires and anchor points
- Groundskeeping
- Fencing
- Any obvious safety hazards

Cool Vendor Swag

TRANSMISSION TALK TUESDAY

Yearly Recap - July

Dennis Sloatman
VP of Engineering - Retired
Summit Media

Episode #69

AC Power
How to Talk with Your Electrician

Shane Toven
Senior Broadcast Engineer
Educational Media Foundation

Episode #70

Best of the Worst (and vice versa)

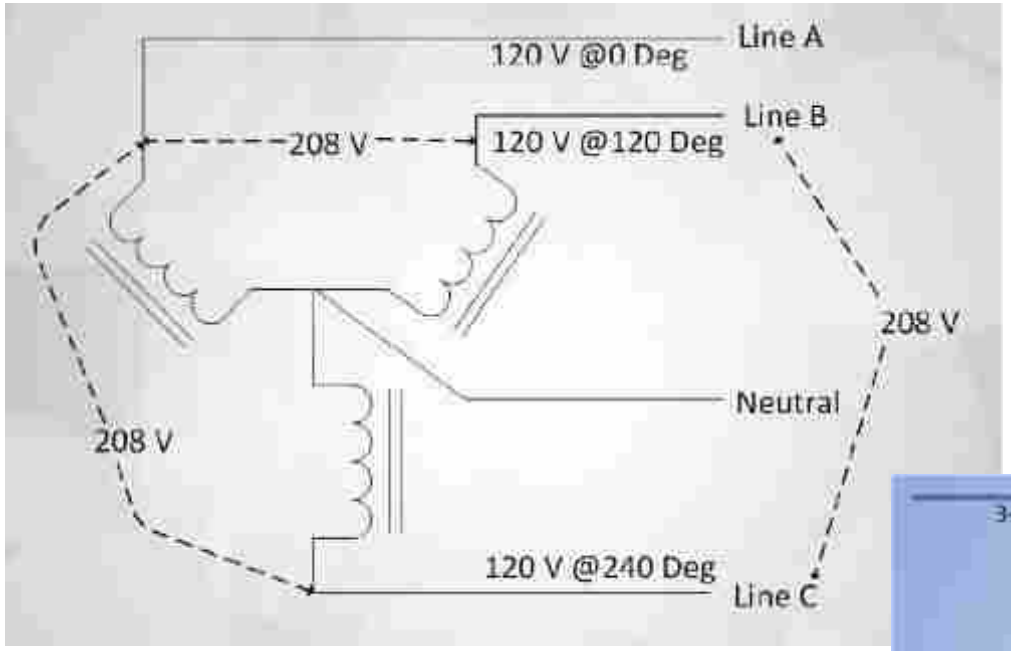
Josh Jones
Chief Technician
The MaxxKonnect Group

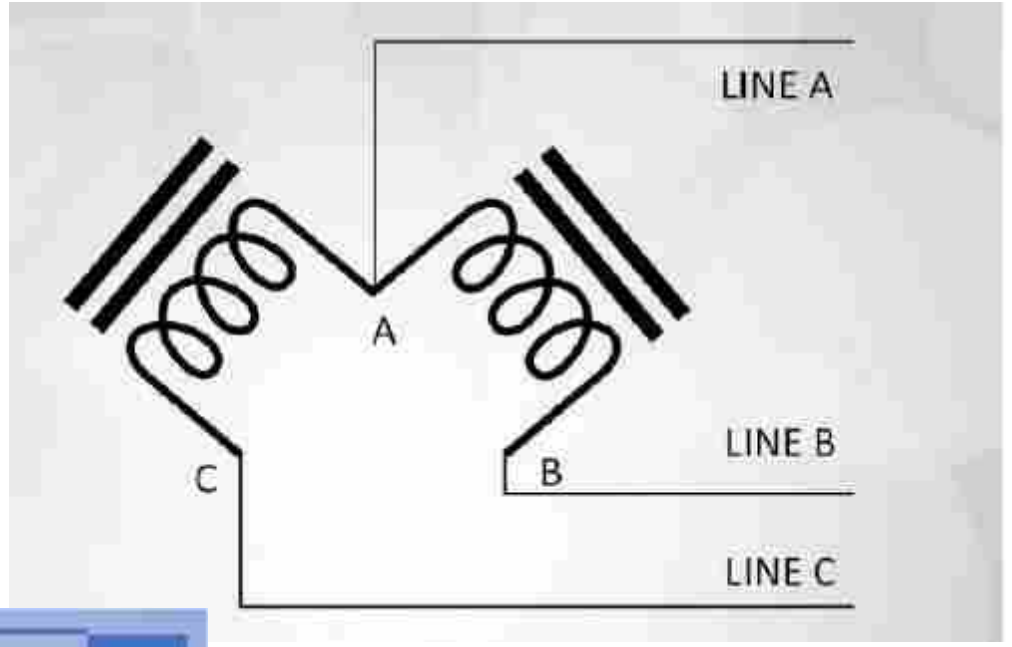
Episode #71

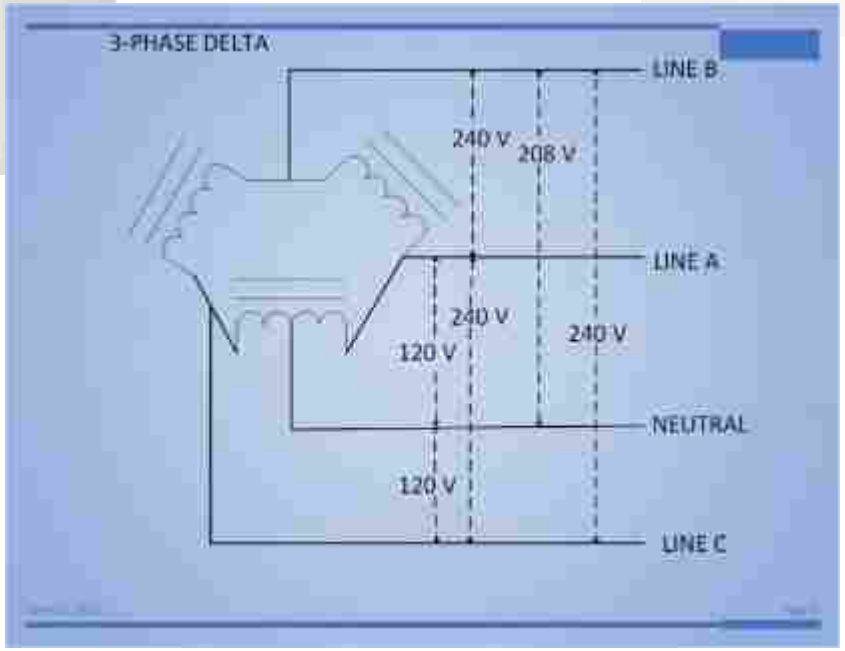
Site Improvements on a Budget

TRANSMISSION TALK TUESDAY

Three Phase Power







https://www.radioworld.com/tech-and-gear/tech-tips/a-three-phase-power-tutorial-part-1

TRANSMISSION TALK TUESDAY

Yearly Recap - July

Yearly Recap - September

Chris Tarr
Director of Engineering
Magnum Media

Episode #72

Repair or Replace? How to Decide

Alex Hartman
Broadcast Integration Specialist
Wisconsin Public Radio

Episode #73

Winterizing the Site Seasonal Maintenance

Charlie Drillen
Plant Manager
Nautel Maine Inc.

Episode #74

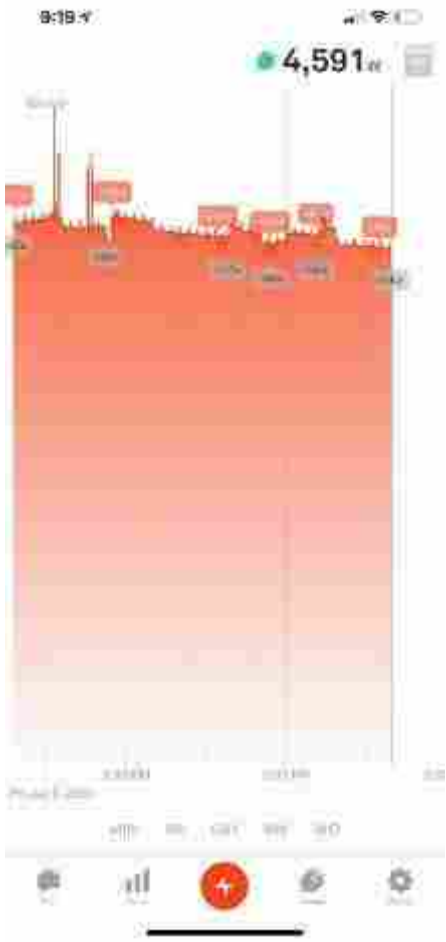
nautel
PROUDLY MADE IN
MAINE

TRANSMISSION TALK TUESDAY

Do an Audit

You can’t begin to sort out where to save money if you don’t know where you’re spending it!

Sense Energy Monitor, from amazon.com



Winterizing

- Lubricate
  - Contactors in AM arrays
    - (dry graphite)
  - Air handling system
    - Fan motors
    - Louvres
  - Locks
    - Padlocks on gates
    - Entry locks
    - ATUs or outdoor cabinets
  - Bearings in phase converters
  - Satellite dish drive mechanisms

Image credit: kadexaero.com

TRANSMISSION TALK TUESDAY

Yearly Recap - September

Current Job Openings – USA

Electronics Engineering Technician/Technologist – Production Engineering, Bangor, Maine. Apply Now >

Production Worker, Bangor, Maine. Apply Now >

Quality Assurance Inspector, Bangor, Maine. Apply Now >

Electronic Test Technician, Bangor, Maine. Apply Now >

Current Job Openings – Canada

Job opportunities

Powered By CareerBeacon

Job Title	Location	Category	Apply
Test Engineer	Halifax, NS	Engineering	Apply Now
Fabricator/Production Worker	Halifax, NS	Manufacturing	Apply Now
Electronic Technician/Technologist	Halifax, NS	Engineering	Apply Now
Test Technician/Technologist	Hacketts Cove, NS	Engineering	Apply Now

https://www.nautel.com/about/careers/

TRANSMISSION TALK TUESDAY

Yearly Recap - November

Cam Eicher
SVP of Worldwide Sales
Telos Alliance

Episode #75

Virtualization and Containerization

Kirk Harnack
Senior Systems Consultant
Telos Alliance

Matt Herdon
Product Manager and Marketing
Nautel

Episode #76

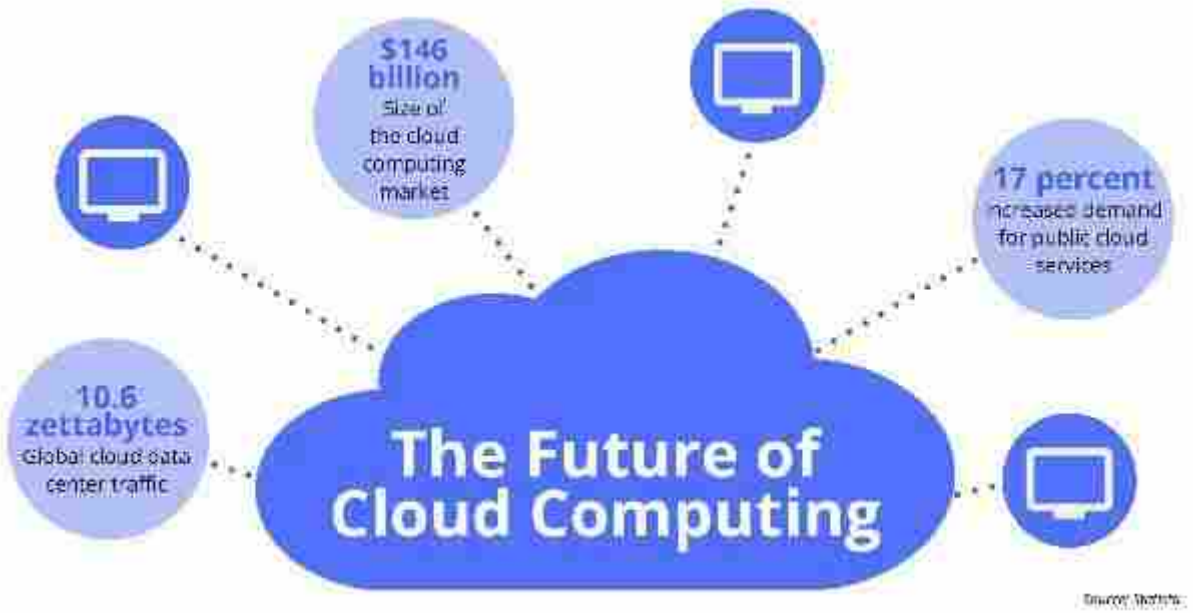
IT Security Questions (to Ask Your Manufacturer)

Shane Toven
Senior Broadcast Engineer
K-LOVE & Air1 Media Networks

TRANSMISSION TALK TUESDAY

What is the “Cloud”?

- Virtualization vs Cloud based
  - Public cloud vs private
  - VMWare vs private server
  - On premises vs off prem
  - Security thoughts?
  - Redundancy discussion
  - How reliable is six 9s reliability if a backhoe cuts the fiber?



Source: https://www.westagilelabs.com/blog/cloud-computing-is-the-future-of-enterprise-application-platform/

FCC Acts to Strengthen the Security of Nation's Alerting Systems

Full Title: Amendment of Part 11 of the Commission's Rules Regarding the Emergency Alert System, et al., PS Docket No. 15-94 et al., Notice of Proposed Rulemaking

Document Type(s): Notice of Proposed Rulemaking

Bureau(s): Public Safety and Homeland Security

Description:

FCC launches a rulemaking to improve the security and reliability of the Emergency Alert System (EAS) and Wireless Emergency Alerts (WEA)

DA/FCC #: FCC-22-82

Docket/RM: 15-94, 15-91, 22-329

Document Dates

Released On: Oct 27, 2022

Adopted On: Oct 27, 2022

Issued On: Oct 27, 2022

Tags:

Cybersecurity - Disaster Response - Emergency Alert System - Emergency Communications - Network Reliability -

https://www.fcc.gov/document/fcc-acts-strengthen-security-nations-alerting-systems

Top 5 Computer Security Vulnerabilities

1) Hidden Backdoor Programs

2) Superuser or Admin Account Privileges

3) Automated Running of Scripts without Malware/Virus Checks

4) Unknown Security Bugs in Software or Programming Interfaces

5) Unencrypted Data on the Network

https://www.compuquip.com/blog/computer-security-vulnerabilities

TRANSMISSION TALK TUESDAY

Cool Vendor Swag

TRANSMISSION TALK TUESDAY

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!

nautel
AM/FM Radio Transmitters