The Society of Broadcast Engineers

Fox Valley Wisconsin SBE Chapter 80 PO Box 1519
Appleton, WI 54912-1519

July 2017

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Our next SBE Chapter 80 meeting will be at our annual Site Picnic at the WLUK Packer Party house on Tuesday July 18th at noon

The warm weather is here so it is time once again to plan the upcoming SBE Chapter 80 annual summer picnic. WLUK, Channel 11 in Green Bay was kind enough to offer us the use of their Packer Party House for a second year in a row. Everyone liked that site last year and it certainly was a good fit for our group. The address is 1249 Shadow Lane which parallels, but is one block north of, Lombardi Ave in Green Bay. Make sure to bring a guest as everyone had fun last year at this event.

As in previous years the chapter provides the hamburgers, brats, soda, water and other necessities for which we ask a $5 donation on the day of the picnic. The rest of the food is a potluck arrangement where members volunteer to bring side dishes like baked beans, potato salad, a dessert or anything else you can think of that goes well at a picnic.

Let me know if you can make it so we know how much food to have there. Also let me know if you are able to bring a side dish. We have had some favorites every year that really add to the party.

Let me know if you have any questions about this. It ought to be a great time.

John Pfankuch

CHAPTER 80 ELECTED AND APPOINTED OFFICERS

Chairman	Mark Hoenecke	WPT	715-845-1319	Mark.Hoenecke@ecb.org
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Chapter 80 Webmaster	Mike Steele	WHBY	920-831-5605	msteele@wcinet.com
EAS Coordinator	Steve Konopka	WPNE TV/FM	920-336-3541	skonopka@ecb.org
Board of Dirs/SBE Liaison	Mike Hendrickson			mhendrickson@sbe.org

FCC Seeks Comments on Blue Alert EAS Event Codes

By the SBE EAS Advisory Group
Larry Wilkins, CPBE, chair

In May 2015, President Barack Obama signed into law legislation that created a new kind of public emergency notification: the Blue Alert. It's similar to the well-known Amber Alert for abducted children, but is meant to help catch people who credibly threaten or actually harm law enforcement officials. Presently a number of states have created a Blue Alert that is designed to go only via email, social media and/or website.

At the request of the Justice Department, the FCC is now considering creating a designated Blue Alert event code, that according to the DOJ would "facilitate and streamline the adoption of new Blue Alert plans throughout the nation and would help to integrate existing plans into a coordinated national framework." The Commission has announced via a notice of proposed rulemaking that it will accept public comment on the proposed Blue Alert plan and its various elements. The comment period will run for 60 days.

The SBE EAS Advisory Group is presently monitoring this as it travels through the agency and will the SBE will issue advisories to members on the status. As always, we encourage broadcasters to weigh in on the issue by using the FCC's Electronic Comment Filing System for docket PS 15-94. In the meantime, no technical action is required. Do not add the proposed event code yet, and continue to follow existing guidance in applicable state plans regarding any Blue Alert program that might be in effect in your area.

The SBE encourages stations to check with their state broadcaster associations and/or state emergency communication committees (SECC) to see if a Blue Alert program is in use for their state. A number of SBE members serve as chairs or board members of their SECCs. The SECCs will be tasked with formulating a plan for creation and distribution of the new Blue Alerts if adopted.*(sbe.org)*

NPRM
File Comments

Look ahead at upcoming opportunities to take a certification exam in your area with the local chapter.
If you would like to take an exam but are not able to make it during these sessions, please contact Megan Clappe to ask about special proctoring.

Certification Exams The deadline to apply to take the SBE certification exam at your local chapter in June is April 21. Register today at sbe.org/certification.

Below is the upcoming certification exam schedule

Exam Dates	Location	Application Deadline
August 4-14, 2017	**Local Chapters**	**June 5, 2017**
November 3-13, 2017	**Local Chapters**	**September 25, 2017**

If you have any questions regarding SBE certifications, please contact the Certification Director, Megan Clappe.

SBE Compensation Survey Results to be Released soon

Results of the SBE Compensation Survey will be released next week. The survey results are provided to members of SBE free of charge.

The survey provides information on salary levels and employee benefits among broadcast and media technology engineers. The published report includes demographic data on market size, job category/title, age, years working in broadcasting, salary, benefits received and a comparison of salaries by those with, or without, SBE certification. Data is divided into radio and TV results, with details on job category and market size. *(sbe.org)*

More

RF101: Broadcast Terrestrial Systems Webinar Series Continues with Module 6 - AM, FM, TV RF Propagation

This introductory propagation webinar builds on the previous modules with further discussion of the ways RF is propagated in the atmosphere. Discussion will include free space path loss; terrestrial propagation; predicted coverage and the aspects that can affect reception (such as terrain and interference), and a more in-depth look into AM, FM & TV signals. Join us for RF101: Module 6 - AM, FM, TV RF Propagation. The webinar is Thursday, July 20, from 2:00 to 3:15 p.m. EDT.

Instructing and the creator of the RF101: Terrestrial Transmission Systems course is Dennis Baldridge, CPBE, 8-VSB, AMD, DRB, CBNT, a veteran of the broadcast engineering field for

more than 30 years. He operates Baldridge Communications, LLC, and serves as an inspector for the FCC Alternate Inspection Program of the Wisconsin Broadcasters Association.

RF101: Broadcast Terrestrial Transmission Systems is an eight-module webinar series that serves as an introductory survey of the RF fundamentals needed to monitor successfully a broadcast facility. The course is targeted to those with minimal or no background in RF and/or are relatively new to the field. It also serves as a refresher for more seasoned engineers.
RF101: Broadcast Terrestrial Transmission Systems Course Modules
* 1-Introduction to Radio Frequency (RF), Available on Demand
* 2-Transmission Lines, Available on Demand
* 3-Towers, Antennas, and Transmission Systems, Available on Demand
* 4-Antenna Gain - Feed-line Loss, Available on Demand
* 5-Modulation Fundamentals, Available on Demand
* 6-AM, FM, TV RF Propagation, to be presented July 20, 2017
* 7-RF Transmitter Measurements, to be presented August 24, 2017
* 8-FCC Regulations, to presented September 21, 2017

The SBE website has more information about Module 6, the entire SBE RF101 series and instructor Dennis Baldridge. Completion of RF101: Module 6 qualifies for one credit, identified under Category I of the Recertification Schedule for SBE Certifications.

Registration for each module is made separately. Module 6 registration for SBE members is $57. The non-member fee is $87. Register Now
(sbe.org)

More

IP Networking Fundamentals Webinar Series: Part 4 - Building a Segmented IP Network Focused on Performance and Security

The Fundamentals of IP Networking five-part series continues with Part 4, which brings the conceptual aspects of previous webinars together to understand how to design and implement a segmented network infrastructure designed for performance and security. Best practice approaches will be presented to insure network performance security. Specific topics will include developing an IP addressing plan, segmentation techniques, and Access Control List (ACL) implementation. Part 4 of The Fundamentals of IP Networking Series is July 25, from 2:00 to 3:30 p.m. EDT.

Instructing the live webinar is Wayne Pecena, CPBE, 8-VSB, AMD, DRB, CBNE, assistant director for educational broadcast services in the Office of Information Technology at Texas A&M University. Pecena has more than 35 years of broadcast telecommunications experience and holds BS and MS degrees from Texas A&M University.

The Fundamentals of IP Networking Series schedule:
* Part 1: Introduction to IP Networking Standards & Physical Layer - On Demand
* Part 2: Ethernet Switching Fundamentals and Implementation - On Demand
* Part 3: IP Routing and Internetworking Fundamentals - On Demand
* Part 4: Building a Segmented IP Network Focused Upon Performance & Security, July 25, 2017
* Part 5: Cybersecurity Fundamentals & Securing the Network, August 29, 2017

Specific topics to be addressed in the series include the IEEE & IETF standards, the OSI & TCP reference models, Ethernet switching & VLAN creation, IP routing protocols and implementation, implementing a segmented I network focused upon performance & security in the broadcast technical plant and understanding network security. Where possible, practical implementation examples will focus on the broadcast IP network environment.

The completion of Building a Segmented IP Network Focused on Performance and Security SBE webinar qualifies for one credit, identified under Category I of the Recertification Schedule for SBE Certifications.

Registration for each module is made separately. Part 4 registration for SBE members is $57. The non-member fee is $87. Register Now
Click here to register for the complete five-part series: $228 for SBE members and $348 for non-members. This special offer reflects a 20 percent discount off the individual session pricing. These prices only apply to complete five-part package purchases. *(sbe.org)*

2017 RF Safety Course - RESCHEDULED for November 9

Mark your calendar and plan on participating in **The 2017 SBE RF Safety Course NOW RESCHEDULED for Thursday, November 9 starting at 1 p.m. ET**. This course is approximately three and a half hours long and provides an updated overview of RF radiation issues and practices for broadcasters, including:

- Proving compliance at a broadcast site
- Biological effects of RF radiation and the distinct differences between RF radiation and ionizing radiation
- FCC and OSHA regulations - what they are and what you need to do to comply
- Workplace hazards
- Transmitter sites
- SNG and ENG trucks
- Remote operations (where news personnel can find problems such as on rooftops)
- The unique issues at AM stations
- RF hazard protection equipment - you may not need it but your contractors probably will
- Signs - what they mean and what you need

The course is designed for broadcast station personnel, including chief and assistant chief engineers, transmitter site engineers, ENG and SNG maintenance personnel and management who need to have an understanding of RF safety issues and regulations. Noted RF safety expert, Richard Strickland of RF Safety Solutions, instructs the course. Strickland founded RF Safety Solutions in 2001 after 10 years as Director of Business Development for Narda Safety Test Solutions, the world's leading supplier of RF safety measurement and monitoring products.

It is recommended that persons taking the SBE RF Safety Course have at least a basic knowledge of electronics and understand the concept of frequency. The cost is $95 for SBE members and $150 for non-members. The completion of this course qualifies the participant for one credit identified under Category I of the Recertification Schedule for SBE Certifications.
Space is Limited. **Click here to make your reservation TODAY!**

Need more information, contact Cathy Orosz, Education Director at 317-846-9000 or at corosz@sbe.org.
(sbe.org)

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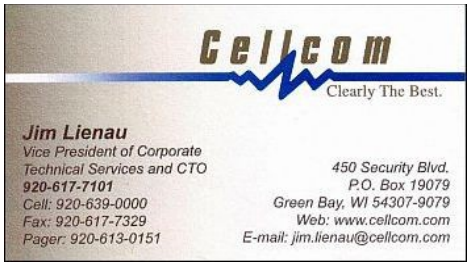

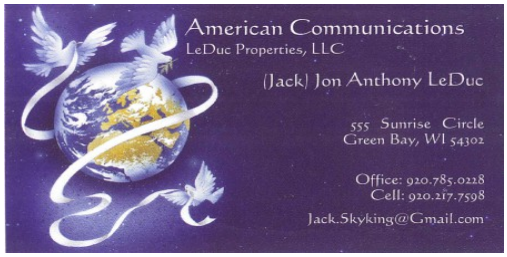

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