

August 13, 2012



# TV TechCheck



The Weekly NAB Newsletter for Television Broadcast Engineers

## Submit Your Proposal for the 2013 NAB Broadcast Engineering Conference

The six-day NAB Broadcast Engineering Conference (BEC) attracts the world's most experienced practicing broadcast engineers and technicians, and has been doing so since 1946.

Presenters deliver technical papers which are then published in NAB's prestigious *NAB Broadcast Engineering Conference Proceedings*. Selected papers are eligible for the [Best Paper Award](#), honoring the author(s) of a paper of exceptional merit.



Submitted proposals should be of interest to broadcast engineers and technicians, engineering consultants, contract engineers, broadcast equipment manufacturers, distributors, R&D engineers plus anyone specifically interested in the latest broadcast technologies.

Proposals should be no more than 200 words in length and explain precisely what attendees will learn. Papers promoting company products or services will not be accepted; however papers explaining the underlying technologies used in broadcast products or services will be considered. Paper presentations are limited to 30 minutes in length, including 5-10 minutes of audience Q&A.

The NAB Broadcast Engineering Conference Planning Committee will meet in October to plan the upcoming conference to be held April 6-11 at the NAB Show in Las Vegas. The conference provides educational support for the hundreds of companies that exhibit products and services at the NAB Show. A long-term relationship with the Society of Broadcast Engineers strengthens the conference program offerings and brings the popular Ennes Workshop to the event each year.

The following list of topics represent issues relevant to today's engineers, technicians, consultants and manufacturers:

- Green Engineering
- IP Network Security for Broadcast
- Disaster Preparedness and Recovery
- Hybrid Radio
- Broadcast 3DTV
- Maximizing Spectrum Efficiency for Television
- Next Generation Television
- LTE as a Broadcast Service
- Mobile TV Update Domestic and International
- Advancements in HD Radio Technology
- Graphics for Radio Displays
- New Radio Data Applications
- Advancements in the Automobile Center Console
- Apps for Radio and Television
- Media Archiving
- Loudness Measurement and Control for Television
- Broadcasting – A Global Technology Perspective
- Next Generation Sports Production and Delivery
- Automation in Broadcasting
- The TV Second Screen
- Engineering Case Studies for Radio
- Engineering Management in Challenging Times
- Technical Regulatory Matters for Broadcasters
- Tests and Measurements in the Broadcast Plant
- Remote Monitoring of Broadcast Operations
- Centralizing Technical Operations for Radio and Television
- Cloud Applications for Broadcast
- Advancements in Television Production

- The Evolution of Newsgathering
- Advancements in Transmitter Technology
- Optimizing RF Coverage
- Distributed Transmission Systems

Proposals for technical papers are being accepted now through October 19. If you have questions about [submitting](#) a proposal for the NAB Broadcast Engineering conference you may contact John Marino, VP, Technology [via email](#).

## NAB Satellite Uplink Operators Seminar

September 24-27, 2012  
Washington, DC

Join fellow satellite uplink operators, engineers and technicians for **NAB's Satellite Uplink Operators Training Seminar** on September 24- 27 at NAB headquarters in Washington, D.C. In this comprehensive four-day class, you'll learn how to set up an interference-free uplink every time. This seminar provides in-depth information on the theory of satellite communications and all operational aspects of the ground equipment for uplink and downlink facilities and is applicable to distributing signals for both analog and digital television and radio.

The class is taught by Sidney Skjei, M.S.E.E., P. E. of Skjei Telecom. Mr. Skjei has over 30 years experience in engineering, operating and developing a wide range of hardware and software satellite communications systems and services. He is highly knowledgeable in all major satellite communications operational areas: global, U.S. domestic and military. An article on Mr. Skjei and the seminar appears in the latest issue of TV Technology.



The four-day seminar provides the operational training which minimize the risk of satellite transmission interference. This is an important seminar since the FCC rules require that "a trained operator be present at all times during transmissions, at either an earth station site or designated remote control point" [Section 25.271 (b)].



In addition to classroom instruction, students will receive hands-on training in a satellite newsgathering (SNG) truck as well as an all-day field trip to a nearby, large satellite teleport and operations center.

The seminar fee is \$1,250 (NAB members) and \$1,550 (all others). The seminar fee includes a Satellite Uplink Handbook, continental breakfast and lunch. Space is limited so if you don't want to miss this opportunity, go to the Satellite Seminar [Web page](#) or call Cheryl Coleridge at (202) 429-5346. If you are interested in sponsorship opportunities for this event contact NAB Advertising at (800) 521-8624 or [advertising@nab.org](mailto:advertising@nab.org).

## Register today for the 2012 ATSC/SBE Audio Loudness Management Seminar!

Thursday, August 23, 2012 9:30 a.m. - 4 p.m.  
PBS Chicago - WTTW



This informative program is a can't-miss day for station engineers, broadcast executives, the content creation community and other industry professionals. Leading industry experts will discuss critically important topics including:

- In-depth tutorial on ATSC's Recommended Practice A/85
- FCC rules regarding Commercial Audio Loudness Mitigation (CALM) Act
- Practical solutions for implementation including loudness measurement and processing technology

Additional information and registration is available [online](#).

**BROADCAST ENGINEERS:**  
Be Prepared for the Upcoming Spectrum Auctions

Register Now for a Members-Only Education Forum »

**2012 NAB Satellite Uplink Operators Training Seminar**

Instructor: Sidney Skjei, Skjei Telecom  
September 24-27, 2012 · Washington, D.C.

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