



## Joint WorldDAB and ASBU DAB+ technical webinar series

**15, 16 and 17 September 2020, 08:00 - 09:30 UTC (GMT)**

WorldDAB and ASBU jointly present this webinar series aimed at broadcasters and technical experts working in the radio industry that are implementing or planning the rollout of DAB+ digital radio. Taking place every morning from 08:00 – 09:30 UTC (GMT) on 15, 16 and 17 September 2020, the webinars will be delivered live by DAB+ experts from around the globe. Participant questions are invited throughout each session and there will be a Q&A session at the end of each webinar.

Participation is free, however pre-registration is required.

### Day 1 - 15 September

#### Webinar 1a – DAB+ overview

##### 08:00 – 08:05 Opening remarks

Dr. Adnan Salhab, Head of Technical Training Department, ASBU

##### 08:05 – 08:10 The importance of DAB+ in the Arab world

Speaker: Dr. Adnan Salhab, Head of Technical Training Department, ASBU

##### 08:10 – 08:25 DAB global status and commercial business case

Speaker: Patrick Hannon, President, WorldDAB

##### 08:25 – 08:40 DAB system features

- Basic and advanced features
- Receivers overview
- Hybrid radio

Speaker: Dr. Les Sabel, S-Comm Technologies, and WorldDAB Technical Committee

##### 08:40 – 8:45 Q&A

**Day 1 - 15 September**

**Webinar 1b – The DAB+ ecosystem**

**08:45 – 09:00 Establishing the DAB+ market**

- Stakeholders
- Key messaging
- Receivers and automotive

Speaker: Kathryn Sabel Brown, S-Comm Technologies

**09:00 – 09:10 WorldDAB, Technical Committee and standards**

- Arab fonts
- Receiver performance - minimum requirements
- EEC directive for auto and receivers

Speaker: Lindsay Cornell, Principal Systems Architect, BBC and Chairman, WorldDAB Technical Committee

**09:10 – 09:25 Technical business case for DAB+**

- Operational cost efficiency
- Impact and use of 5G

Speaker: Dr. Les Sabel, S-Comm Technologies, and WorldDAB Technical Committee

**09:25 – 09:30 Q&A**

**Day 2 - 16 September**

**Webinar 2a – DAB+ headend systems**

**08:00 – 08:20 Encoding and multiplexing systems**

- Signal flow, components and control
- Implementation options and virtualisation

Speaker: Arne Borsum, Product Manager, IZT



**08:20 – 08:40 Real world implementations**

- Example network implementations
- Challenging situations

Speaker: Hermann Zensen, Sales Manager, Digidia

**08:40 – 08:45 Q&A**

**Day 2 - 16 September**

**Webinar 2b – DAB+ transmission systems**

**08:45 – 09:00 Overview of transmission systems**

- Transmitter input to antenna output
- Monitoring

Speaker: Dr. Les Sabel, S-Comm Technologies, and WorldDAB Technical Committee

**09:00 – 09:25 Modern transmitters**

- Transmitter types and uses
- Latest technologies and efficiency
- Redundancy options

Speaker: Rich Redmond, President, GatesAir International

**09:25– 09:30 Q&A**

**Day 3 – 17 September**

**Webinar 3a – DAB+ network design, operation and SFN**

**08:00 – 08:25 DAB network design**

- Coverage requirements and field strength reference levels
- When to use MFN vs SFN
- High power vs low tower implementations
- Network quality and control

Speaker: Jerome Hirigoyen, Head of Business Development and International Broadcasting, TDF



**08:25 – 08:40 SFN design and examples**

- SFN performance
- Implementation choices
- Examples

Speaker: Dr. Les Sabel, S-Comm Technologies, and WorldDAB Technical Committee

**08:40 – 08:45 Q&A**

**Day 3 – 17 September**

**Webinar 3b – Receivers**

**08:45 – 09:00 Receivers - home**

- Receiver categories
- Receiver capabilities (basic, visual, hybrid)
- Products and pricing

Speaker: Prem Rajalingham, Managing Director, Frontier Smart Technologies

**09:00 – 09:15 Receivers – automotive**

- Antenna products for vehicles
- Example antennas and their performance
- Impact on reference vehicle field strength requirements

Speaker: Honey Habibollahzadeh, Account Manager MENA, ATBB

**09:15 – 09:30 Q&A**

**Closing remarks** - ASBU and WorldDAB