

DAB+ Digital Radio - Technical Workshop

New developments for DAB+ systems

18–20 July 2023, 08:00-09:30 UTC / 16:00-17:30 MYT / 09:00-10:30 BST

Moderator: Dr Les Sabel

Day 1–18 July - The business case

08:00	<p>Opening remarks</p> <p>Ms Bernie O'Neill, Project Director, WorldDAB</p> <p>Dr Veysel Binbay, Director of ABU Technology & Innovation, Asia-Pacific Broadcasting Union</p> <p>Dr Adnan Salhab, Head of the Technical Training Department, Arab State Broadcasting Union (ASBU)</p>
08:10	<p>Economics, environment, emergency – the business case for DAB+</p> <p>Mr Patrick Hannon, President, WorldDAB</p>
08:25	<p>DAB+ technical update</p> <p>Updates to the DAB+ standards for ABU and ASBU regions</p> <p>Mr Lindsay Cornell, Principal Systems Architect, BBC Digital (Chair, WorldDAB Technical Committee)</p>
08:40	<p>Distributing radio: Broadcast, IP or 5G?</p> <p>How can 5G be used for broadcast distribution?</p> <p>Dr Les Sabel, Chair, WorldDAB APAC Technical Group</p>
09:00	<p>Use case: DAB+ for national emergency warning</p> <p>Case study: Germany</p> <ul style="list-style-type: none"> • Why and how should DAB+ be used? • Issues to be resolved <p>Mr Carsten Zorger, Director, Digitalradio Büro Deutschland</p> <p>Mr Andreas Gorsak, Project Consultant, Emergency Warning Systems, Digitalradio Deutschland e.V.</p>
09:20	<p>Q&A</p>
09:30	<p>Close</p>

Day 2–19 July - Getting started

08:00	Introduction
08:05	<p>DAB+ system features</p> <ul style="list-style-type: none"> • Basic and advanced features • Receivers • Hybrid radio <p>Dr Les Sabel, Chair, WorldDAB APAC Technical Group</p>
08:15	<p>DAB+ headend systems</p> <ul style="list-style-type: none"> • Encoding and multiplexing options • Case study examples <p>Mr Wolfgang Peters, Managing Director, AVT Audio Video Technologies, Germany</p>
08:30	<p>DAB+ transmission</p> <ul style="list-style-type: none"> • Transmitter input to antenna output • Monitoring <p>Mr Alexander Kurz, Sales Director–DACH & CEE, GatesAir</p>
08:50	<p>Initial DAB+ steps (Panel session)</p> <p>Outline of first steps towards establishing DAB+</p> <ul style="list-style-type: none"> • What needs to be done – commercial / regulatory • What needs to be done – technically – equipment and measurements • Discussion on issues, pitfalls, and roadblock resolution, transitioning from trials/demonstrations to regular services <p>Moderator: Dr Les Sabel, Chair, WorldDAB APAC Technical Group</p> <ul style="list-style-type: none"> • Mr Dave Cherry, Radio Broadcast Consultant, Dave Cherry Consulting, South Africa • Ms Orasri Srirasa, Division Director, NBTC, Thailand • Mr Kamel Haj Ammar, Director of Commercial Affairs, ONT, Tunisia
09:20	Q&A
09:30	Close

Day 3–20 July – Building out the network

08:00	Introduction
08:05	<p>DAB+ network design</p> <ul style="list-style-type: none"> • Coverage requirements and field strength reference levels • When to use MFN vs SFN <p>Mr Jerome Hirigoyen, Head of Business Development and International Broadcasting, TDF</p>
08:20	<p>DAB+ network implementation</p> <ul style="list-style-type: none"> • High power vs low tower implementations <p>Mr Hanns Wolter, Technical Director, DAB Italia (Chair, WorldDAB Spectrum & Network Implementation Committee)</p>
08:35	<p>Small-scale DAB</p> <ul style="list-style-type: none"> • What is small-scale DAB? • How and why, it fits into the DAB+ ecosystem <p>Dr Lawrie Hallett, Operations Director, Future Digital Norfolk</p>
08:50	<p>DAB+ measurements and monitoring (Panel session)</p> <ul style="list-style-type: none"> • Discussion on the various aspects from implementation to operations • Systems performance measurement for system commissioning • Field testing for coverage verification including antenna performance • On-going network operations <p>Mr Hanns Wolter, Technical Director, DAB Italia (Chair, WorldDAB Spectrum & Network Implementation Committee) Mr Christian Strøm, Broadcast System Architect, Telenor Norge AS, Norway Mr Kenny Skillen, Head of Engineering – Media & Broadcast Platforms, Arqiva, UK</p>
9:10	Q&A
9:20	<p>Workshop closing remarks</p> <p>Ms Bernie O’Neill, Project Director, WorldDAB Dr Veysel Binbay, Director of ABU Technology & Innovation, Asia-Pacific Broadcasting Union Dr Adnan Salhab, Head of the Technical Training Department, Arab States Broadcasting Union (ASBU)</p>
9:30	Close