ABU DBS DAB+ Workshop Technical updates

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Technical Committee

- In the last year, the WorldDAB TC has discussed
  - Cleaning up the DAB standards
  - Developing the ETI library
  - OMRI
  - Automotive applications
  - TPEG transport
  - Non-Latin text
  - ... and more!

Cleaning up the standards

- The work is complete
- Builds on EN 300 401v2.1.1
  - Supporting specifications all aligned
  - Transition arrangements agreed
  - ETSI TR 101 495v2.1.1 is a good place to start

ETI Library

- World DAB has offered an ETI Library to its members for several years
- Upgrading this facility is underway
  - Making it easier and quicker to upload files
  - Providing standard analysis to generate more metadata
- Helps manufacturers try out new products and services without having to travel the globe

OMRI

- The TC has approved the standardised API for mobile devices to access broadcast and hybrid radio
- Editorial completion is now needed
- Expected to be published by ETSI next quarter

Automotive applications

- The Carison Task Force has developed the framework for a car-maker communication application
- Allows manufacturers to send important information to their cars via DAB, thus reaching harder-to-find customers
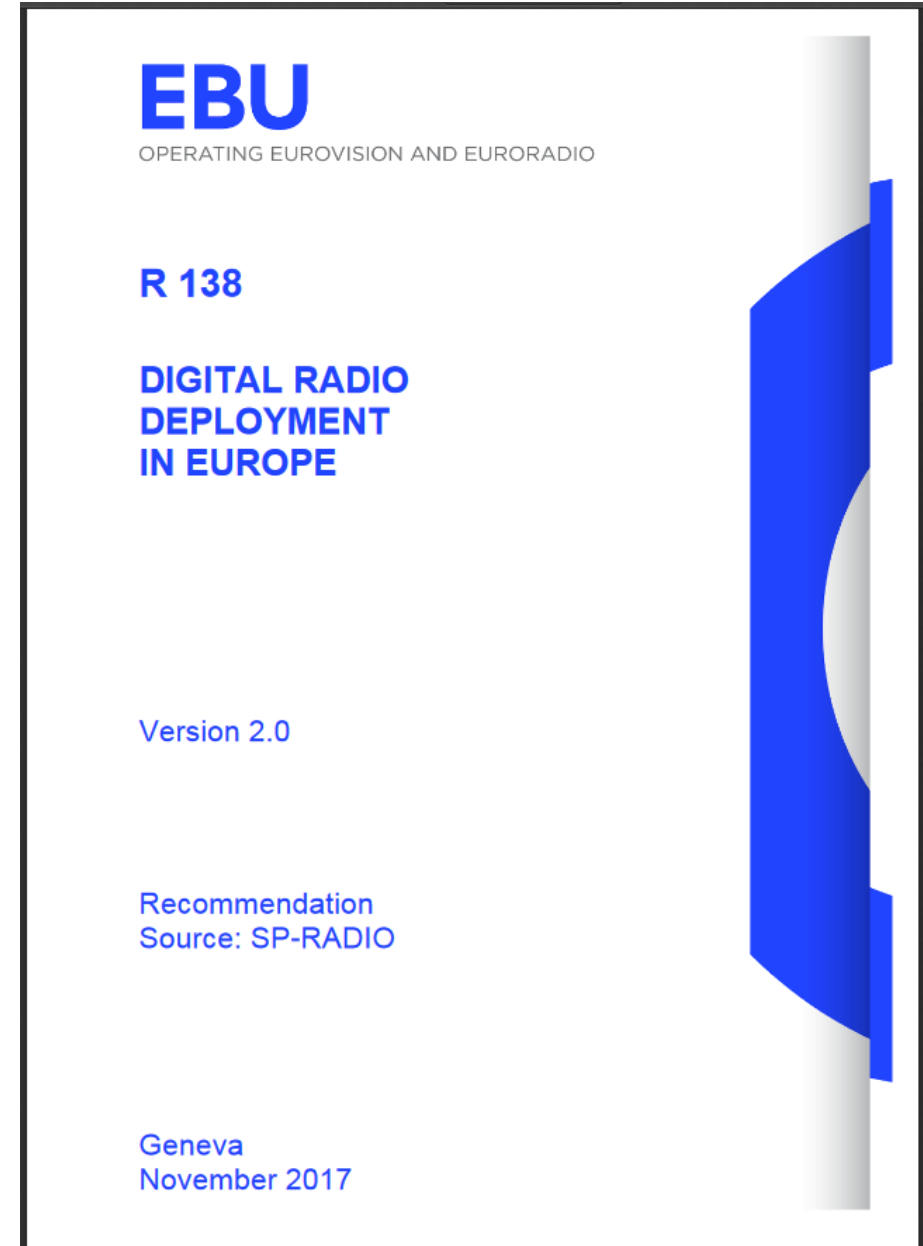- Standardisation will follow this year

TPEG transport

- A new transport specification was developed and published
  - ETSI TS 103 551
- Provides a standard way for TPEG streams to be carried in DAB
- Formalises existing best practice

Non-Latin text

- DAB is able to carry non-Latin text for service names and dynamic labels
  - But the sheer vastness of scripts and characters makes it hard for broadcasters and manufacturers to synchronise
- The TC has begun a full review of current and future needs to build a future-proof framework
  - Regionally defined profiles will form part of the solution

EBU R 138

- The EBU (European Broadcasting Union) develops recommendations for its members on many topics
  - These recommendations are also used by others

EBU
OPERATING EUROVISION AND EURORADIO

R 138

DIGITAL RADIO DEPLOYMENT IN EUROPE

Version 2.0

Recommendation
Source: SP-RADIO

Geneva
November 2017

https://tech.ebu.ch/docs/r/r138.pdf

- Key recommendations are:
- *"Digital radio broadcasting in VHF Band III, where it is available, be established and DAB+ (ETSI TS 102 563) audio services be used for new services."*
- *"Additional hybrid services be deployed alongside linear radio services to enable a seamless user experience, using RadioDNS (ETSI TS 103 270), the open solution for Hybrid Radio."*

Thank you!

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