

WorldDAB Global Update

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ABU Technical Committee, 24-25 November 2020

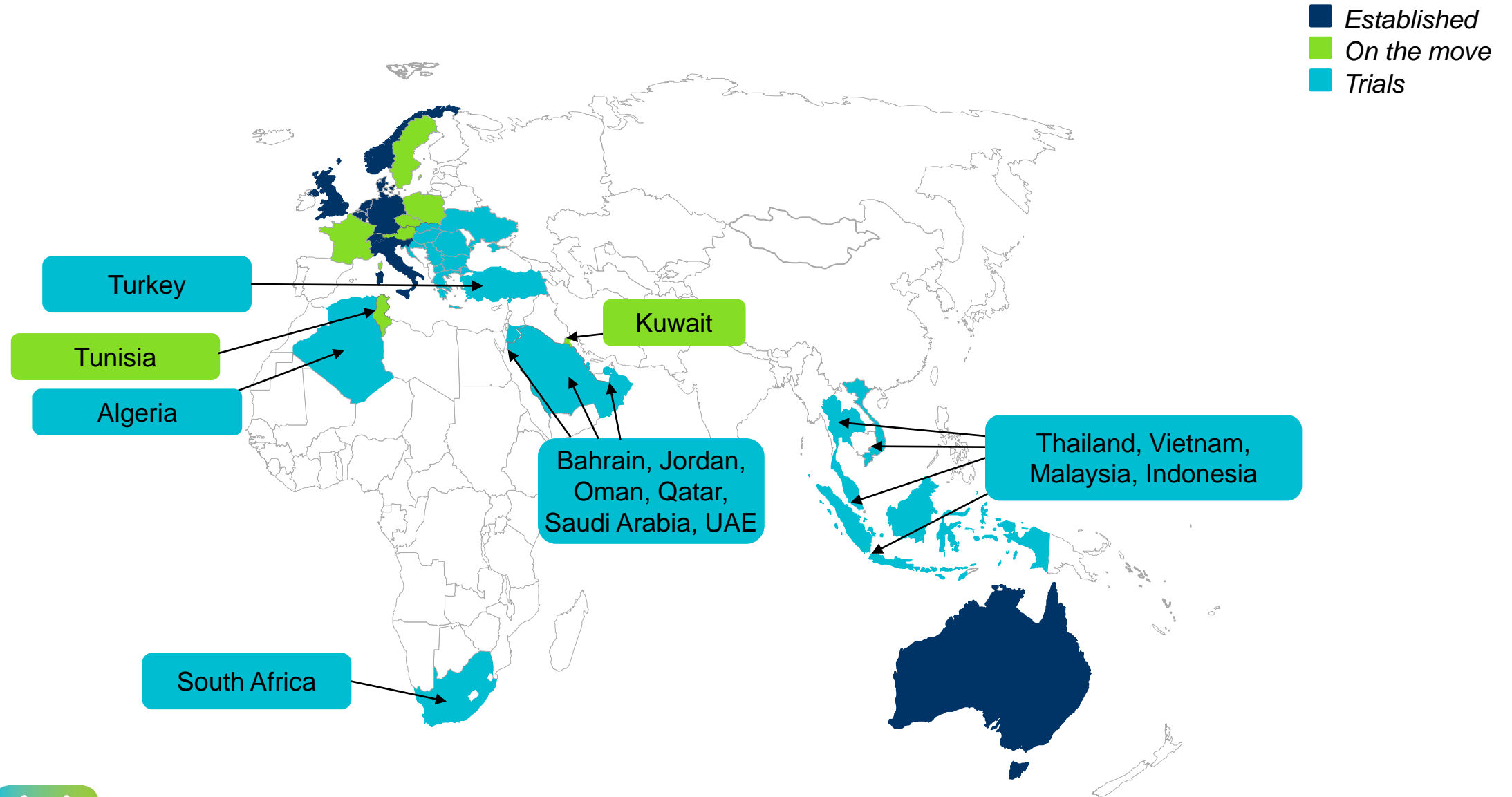


Asia-Pacific Technical Group

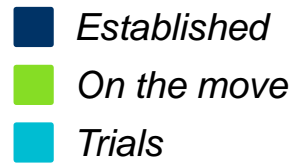
- Assisting the broadcast industry in the APAC region implement DAB+
- Opportunity to discuss, learn and collaborate on all technical aspects of DAB+, with information tailored to the region
- Open to members and non-members of WorldDAB: Broadcasters (public and commercial), Governments, regulatory bodies, network providers, equipment and receiver manufacturers, and solution providers
- Topics covered include: RF coverage planning; RF interference analysis; Field testing; Rollout strategies; DAB network design and operation; Technical business case and cost analysis

First meeting takes place on 2 December 2020 – contact projectoffice@worlddab.org to join

Around the world, interest in DAB+ is growing



DAB+ established as core future platform for radio in Europe



National launches

- Germany: 2011
- NL: 2013
- Italy: 2014
- Slovenia: 2016
- Belgium: 2018
- Austria: 2019

First countries switching off FM



Norway: 2017

- Record listening July 2020



Switzerland: 2022-23 plan

Major markets continue to expand



Germany:
**2nd national mux
(Oct 2020)**



UK:
**DAB listening
overtakes FM¹**



Italy:
**All receivers must
have DAB+ (Jan 2020)**

Significant developments across Europe



Belgium:
**Flemish and French –
major launch continues**



Netherlands:
3rd DAB+ layer in 2021



Sweden:
**Bauer: 2nd commercial
broadcaster on DAB+**



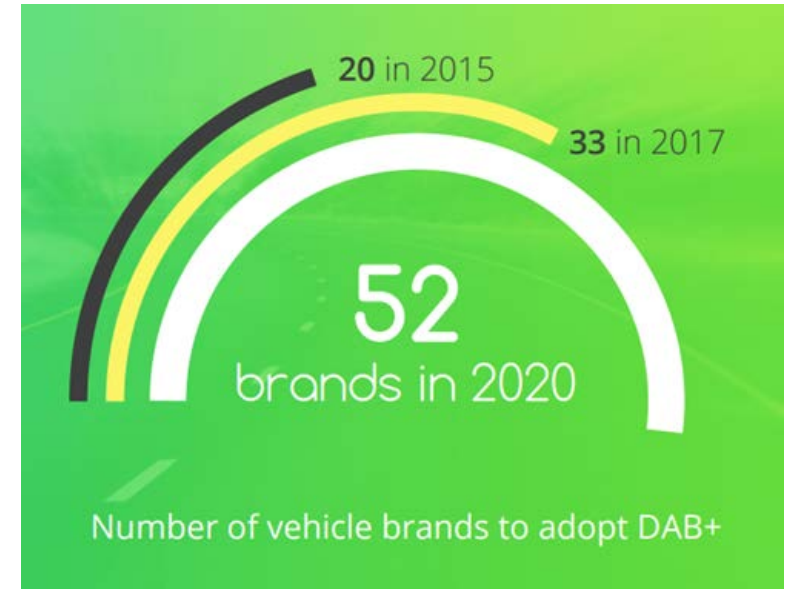
Czech Republic:
Coverage now 95%



Austria:
Coverage 83%

AUSTRALIA

- 75% of new cars are now sold with DAB+, up from 60% in 2018.
- DAB+ network coverage is now 64% of the population.
- Over 6 million DAB+ enabled devices have been sold as of Q2 2020.
- 52 vehicle brands support DAB+.
- Permanent DAB+ services on air in 9 markets.
- A 10th market, the Gold Coast next regional market Dec 2020 - 15 other priority markets identified by broadcasters.



Malaysia

- Digital television broadcasts (DTT) was fully implemented 2019
- DAB+ still to be adopted as the digital radio standard for Malaysia. Next steps required to achieve adoption:
 - Regulator MCMC to develop ongoing framework in conjunction with RTM and CRM
 - MCMC has requested input from broadcasters to develop position statement
- DAB+ discussions are supported by RTM and a number of other commercial broadcasters.



Thailand

- Review of Bangkok trial provided by NBTC at Joint ABU & WorldDAB webinar
- Bangkok DAB+ trial continues by the NBTC
- 20-month trial commenced in April 2019 with 11 radio stations
- plan to extend the DAB+ trial in Bangkok for a further 3 years
- Full national coverage planning has been completed
- Opportunity for Thailand to plan for permanent rollout and commercial model for future DAB+ activity



Vietnam

- The public broadcaster, Voice of Vietnam, launched a DAB+ trial in Hanoi and Ho Chi Minh in 2019, to be evaluated in 2020, and recommendations submitted to government in 2021
- VoV aims to convert radio from analogue to digital radio by 2025

Myanmar

- Myanmar National Broadcaster, MRTV continue the DAB pilot project they started in August 2016 with services in Yangon – interest in expanding the trial

Indonesia

- Radio Republik Indonesia (RRI), has been operating a DAB+ trial since August 2013
- The DAB+ trial covers the Jakarta area with plans to develop coverage and number of programmes

Laos

- Interest from the Ministry of Information to know more about DAB+ as neighbouring Thailand and Vietnam are trialling DAB+.

North Africa

Tunisia

- regular DAB+ services launched in June 2019 – 75% population coverage since September 2020
- 18 stations on air on DAB+
- Aiming for FM switch off by 2025

Algeria

- DAB+ trial launched in 2018 and ongoing
- 68% of Algiers population covered by DAB+ reception
- Planning underway to migrate from FM to DAB+

Middle East

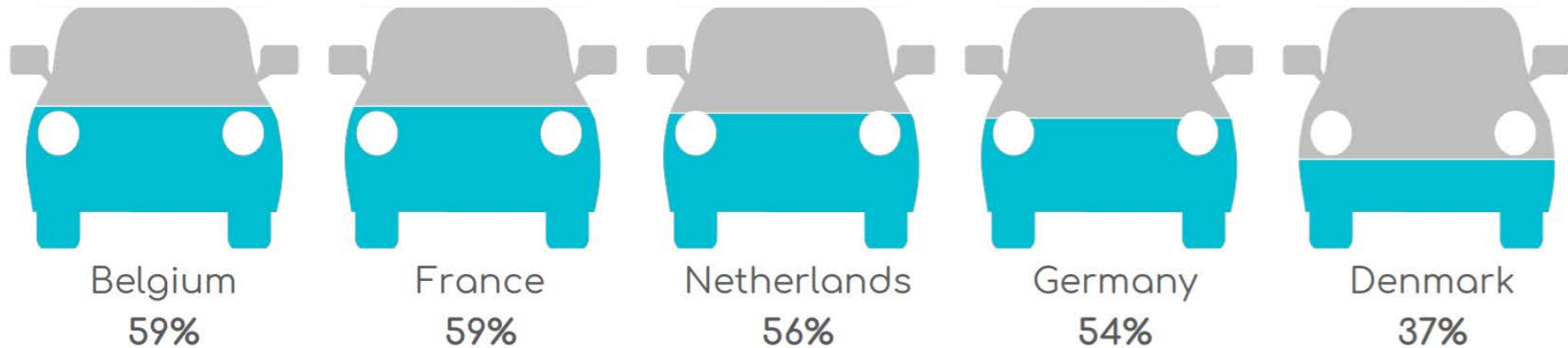
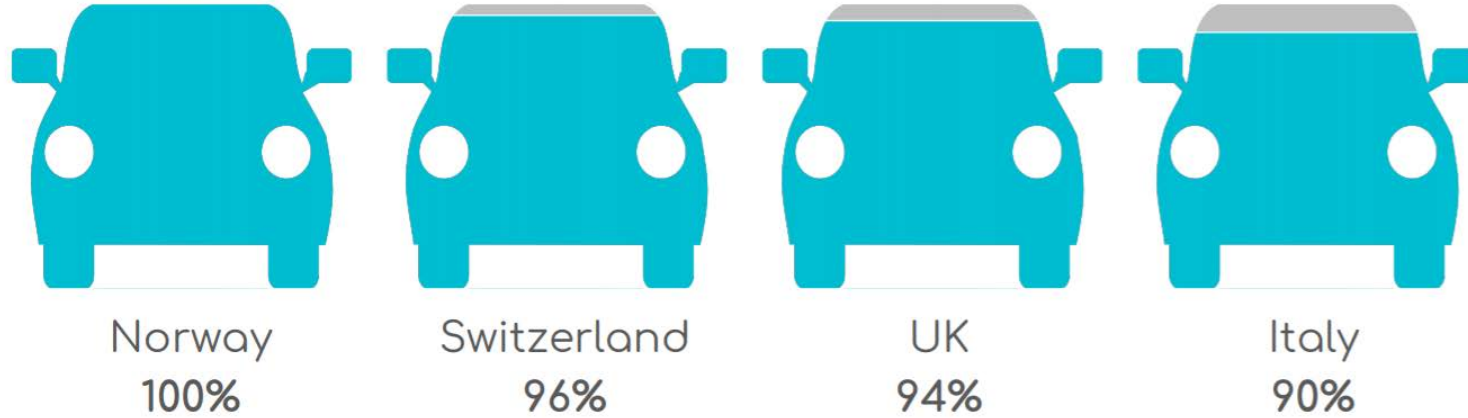
- UAE – DAB+ receiver specifications published
- Kuwait - regular DAB+ services launched in 2014, 100% population coverage, 16 DAB+ stations on air
- Qatar – DAB+ trial launched July 2019
- Oman – DAB+ trial launched 2019
- Jordan – 5 DAB+ services on air since 2017
- Saudi Arabia – radio receivers required to include DAB+ digital radio from Jan 2021

Progress is driving volumes of DAB receivers (consumer and automotive)

Cumulative DAB sales:

93 million

Leading countries over 90%



Focus now on virtual events

WorldDAB virtual events 2020

Automotive 2020



Technical webinar series
(Arab States)



Technical webinar series
(Asia Pacific)



Introduction to DAB+
(Brazil)



- Geographic focus
 - Europe
 - Arab States
 - Asia
 - Latin America

WorldDAB General Assembly 2020

Presentations available to view at:

https://www.youtube.com/playlist?list=PLMSHyWiZb4XH8gBj0xC7uzooy2QNj_jjO





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Thank you