

5G Broadcast receiver profile for Europe released for review

- **The European 5G Broadcast handset taskforce, gathering EBU and BNE members, meets a major milestone for the introduction of smartphones with 5G Broadcast reception functionality in Europe**
- **This receiver profile will help companies within the broadcast ecosystem to prepare for a roll-out of 5G Broadcast services in Europe**

5G Broadcast has been ready for commercial rollout since early 2023. Standardization has been largely completed, trial operations by the leading broadcasters in Europe have been underway for several years, and the first smartphone prototypes including essential features of 5G Broadcast have already been developed.

The broadcast ecosystem benefits from harmonized technical requirements for the end-user devices (mobile phones), to ensure compatibility across Europe, therefore also allowing a sustainable business model for broadcasters and broadcast network operators. Members of the EBU (European Broadcasting Union) and BNE (Broadcast Networks Europe) - from France with France Télévisions and TDF, from Italy with RAI and EITowers, from Germany with Media Broadcast, and from Austria with ORS, have formed a working group to establish a common receiver profile for 5G Broadcast in Europe – also with the support of Qualcomm Technologies, Inc..

As a result, a 5G Broadcast receiver profile for Europe has now been finalized and submitted to 5G-MAG, the industry association which, among other tasks, oversees the development and maintenance of the 5G Broadcast specification (ETSI TS 103 720). The profile is publicly available¹ and open for review and feedback from the European broadcast industry. The common goal is to add this profile into the next version of the ETSI specification to clearly communicate the European requirements for a profile that will ensure harmonization across Europe to allow and encourage chipset and CE manufactures to incorporate the profile in their development roadmaps.

<<Antonio Arcidiacono, CTO and CIO at EBU>> “5G Broadcast is a great technology, which has been supported by several EBU Members in a series of trials in Europe since 2020. The Olympic large-scale demo in the last weeks in France, with hundreds of consumer devices, is marking a key evolution moving towards market introduction. The definition of the European profile gives a clear indication to all Chipset and CE manufacturers on the market needs in Europe. The launch of a 24H/7 demonstration service in five main urban areas in Italy in 2025 will further accelerate the implementation of 5G Broadcast in the development roadmaps of key manufacturers.”

<<Lars Backlund, Secretary General at BNE>> “BNE supports 5G Broadcast as part of our innovation roadmap. In addition to spectrum security and along with roll out and investments in 5G Broadcast transmission infrastructure the broadcast network operators also support the development of a viable handset ecosystem. Having a common receiver profile across Europe is a necessary element to achieve this goal.”

¹ <https://github.com/5G-MAG/Standards/issues/135>

<<Lorenzo Casaccia, VP, Technical Standards, Qualcomm Europe, Inc.>> “The collaboration among Europe’s major broadcasters and broadcast network operators to harmonize 5G Broadcast receiver requirements marks a pivotal advancement for 5G Broadcast ecosystem. This unified effort will be an invaluable resource for developers, receiver manufacturers and infrastructure vendors, propelling the commercial deployment of 5G Broadcast technology worldwide.”

About

European Broadcasting Union, EBU

The European Broadcasting Union (EBU) is the world’s leading alliance of public service media (PSM) counting 113 Member organizations in 56 countries with an additional 31 Associates in Asia, Africa, Australasia and the Americas.

As the world's largest media technology alliance, the EBU also drives the development of cutting-edge solutions that shape the future of broadcasting, fostering collaboration among its members, leading to advancements in areas such as media production and distribution, artificial intelligence and media security.

The EBU Technology and Innovation department works closely with its members to develop new technologies and standards that improve the efficiency, quality, and accessibility of broadcasting services, collaborates with industry partners, academic institutions, and government organizations to drive innovation and address the challenges facing the media sector, ensuring that it remains at the forefront of technological developments.

EBU Members reach an audience of more than one billion people around the world, broadcasting in 153 languages.

Broadcast Networks Europe, BNE

BNE is a trade organisation representing the terrestrial broadcast network operators in Europe and internationally. The terrestrial broadcast operators are responsible for managing, operating and maintaining the broadcast infrastructures for TV, radio and other over-the-air services including network design, multiplexing, distribution and transmission services.

BNE’s 19 members are operating in 21 European countries: Austria, Belgium, Croatia, Czech Republic, Estonia, Finland, France, Germany, Greece, Ireland, Italy, Netherlands, Norway, Poland, Romania, Serbia, Slovakia, Spain, Switzerland, UK and Sweden.

Qualcomm

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