



Huawei Technologies' input on the Draft BEREC Work Programme 2022

Huawei Technologies welcomes the opportunity to provide its input on the Draft BEREC Work Programme 2022.

Short description of Huawei Technologies' input on the Draft BEREC Work Programme 2022

1.5. Workshop on Open RAN

Huawei takes note of BEREC's intention to hold a workshop to identify unanswered or uncertain issues about Open RAN. This work stream of BEREC might also focus on related topics such as cybersecurity, resilience and sustainability.

In this connection, Huawei would like to participate in the above-mentioned Workshop on Open RAN in order to provide European policymakers and interested stakeholders with its standpoint on and analysis of Open RAN's impact on sustainability objectives pursued by the EU. Furthermore, Huawei would like to present its views on Open RAN's energy consumption, cybersecurity-related aspects, technical performance and impact on OPEX of MNOs. We are firmly convinced that the audience of the proposed Workshop should hear the views of both incumbent Vendors, like Huawei, and new entrant Vendors in the 5G supply market.

We hope that BEREC will consider Huawei's request for participation in this Workshop and look forward to hearing from you.

4.1. Implementation of BEREC's Medium Term Strategy for relations with other institutions and international cooperation

BEREC plans to set up a team Chair and Incoming Chair in maintaining an active relation with external bodies and develop a calendar of international events to proactively plan and assign the necessary resources for the year 2022 and by the end of the year, an indicative calendar of events for the following year. The adoption of a Calendar of International Events for the year 2022 is planned for Plenary 1 2022 for publication.

As BEREC points out in its comments to its International Mission to China in 2015, "BEREC will need to closely follow global trends in technology and changing business models, so that it retains its capacity to swiftly and effectively address challenges as they arise. Furthermore, regions outside the EU and non-EU regulators' networks alike have expressed their interest in the European regulatory approach. This could lead to an approximation between regulatory framework policies, which would ultimately promote competition, investment and improve social well-being." ¹

China, as the second-largest economy in the world and the most important trading partner of Europe with a volume of € 586 billion in 2020 should be an interesting counterpart for dialogue and exchange. We also want to emphasize that the telecom equipment industry represents a

¹ https://berec.europa.eu/eng/document_register/subject_matter/berec/reports/5031-report-on-berec-international-mission-to-china



large part of European direct investment in China. This outstanding degree of inter-linked relationships requires extended dialogue.

We would like to encourage BEREC to put China and Chinese institutions on the list of targets for international cooperation. As outlined in the Report on BEREC International Mission to China² there is a very sophisticated and rich system of regulation in place in China and there is definitely a need for a continuous exchange on regulatory matters on both sides to promote the well-being of both economic areas.

Huawei stands ready to support BEREC in its endeavours and can act as a builder of bridges and an honest broker for EU-China relationships.

5.1.2. Update of criterion four of the BEREC Guidelines on very high-capacity networks

BEREC plans to update the guidelines on very-high-capacity networks. Criterion 4 provides that any network providing a wireless connection which is capable of delivering, under usual peak-time conditions, services to end-users with a certain quality of service (performance thresholds 2) is considered to be a very high-capacity network. Criterion 4 is based on data collected from mobile network operators on LTE Advanced (4G). The objective of this project is to update criterion 4 based on data collected from mobile network operators on 5G.

Huawei also welcomes this initiative and would like to support this work by providing data about potential performance of 5G.

5.1.6. Ad hoc work relating to network security and cybersecurity

In the context of BEREC's mandate to assist the NIS Cooperation Group and ENISA in their work towards producing a toolbox for 5G Cybersecurity, Huawei invites BEREC to consider additional activities addressing the impact of a timely transition to IPv6 on network security and national resilience.

Specifically:

Huawei recommends to accelerate the uptake of key internet standards including IPv6, not ruling out regulatory measures like a European sunset clause for IPv4. In light of the above, BEREC is invited to identify targeted actions aimed at incentivizing Member States to adopt IPv6 which will contribute to strengthen their network security and national resilience.

5.3.3. Indicators to measure environmental impact of ECNs

BEREC will consider the indicators that might help evaluate the environmental sustainability of electronic communications networks and initiatives from electronic communication operators.

² BoR (19) 176 dated 3 October 2019



The Working Group will launch a call-for-inputs from external stakeholders (operators, service providers, end-user associations, environmental organizations, etc.) to help identify, which indicators they deem feasible and useful for the purpose of setting an assessment methodology, firstly in the form of a technical workshop. Another focus will be given to the issues of circular economy, especially in relation to life cycle of devices and equipment which some NRAs have already begun to study. The work will be organized in form of a workshop and a Report.

Huawei welcomes this initiative because we firmly believe that we cannot promote digitalisation without promoting the reduction of the carbon footprint of the digital industry³ including its enabling effect on a wide range of other industries. Therefore, we would like to participate in and contribute to this technical workshop of BEREC. Huawei can contribute in a variety of areas like energy consumption, smart agriculture, or smart mobility (enabled by both C-V2X and Intelligent Automotive Solutions), smart grids, smart healthcare, remote education and industrial automation.

Name of the proposer, organization and contact details

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³ Huawei, Choose a smarter future, 23.