



# DELIVERING THE GREATEST VALUE FOR SOCIETY AT WRC-19

## Collaboration will unlock the full potential of 5G to enable a Better Future

When governments convene in Egypt for the ITU's World Radiocommunication Conference (WRC-19) this November, their decisions on new radio spectrum for 5G services will determine whether - and when - the promise of 5G will be fully realised. WRC-19 provides an opportunity for governments and industry to work together to ensure that spectrum resources are used in the most efficient and effective ways to the benefit of citizens worldwide. The mobile industry has already demonstrated the contribution that mobile networks play in delivering on the targets of the UN Sustainable Development Goals, and we remain dedicated to improving economies and societies through the innovation that 5G will deliver. However, this new generation of services will depend on the spectrum decisions taken by governments this November. The GSMA Board, on behalf of the global mobile industry, therefore calls on governments to support the identification of spectrum for mobile at WRC-19.

## WRC-19 is a crucial step in 5G's development

5G has the potential to improve the lives of billions of people around the world in the years to come - enhancing healthcare and education, cleaning up cities and oceans and creating new benchmarks in industrial productivity, entertainment services and smart transport. WRC-19 presents the opportunity to identify mmWave spectrum in the 26, 40 and 66 GHz bands. These bands enable key capabilities of 5G such as ultra-high capacity and ultra-high-speed services. Identification of this spectrum by the ITU, under reasonable technical conditions, will allow the mobile sector to deliver fast and innovative digital services that will capture the imagination of consumers and business people around the world.

## 5G will be a good neighbour

The mobile industry has a long history of working with governments at the WRC to identify the necessary spectrum for mobile services. Based on this experience, we understand the complex nature of the negotiations and the need for governments to strike the right balance between different users of spectrum. Identifying mmWave spectrum for mobile requires careful consideration. That is why the industry has been so actively involved at the ITU over the past four years of technical study of these frequencies. The methodical analysis undertaken by governments and industry through the ITU process has demonstrated that mobile can safely operate in these bands without causing harm to other spectrum-using services.

## Spectrum is required for growth

From the beginning, the mobile sector has shown that it can maximise the use of its spectrum resources. In the process, more than two-thirds of the people on the planet - over 5 billion people - have been connected. Over the next 15 years, mmWave 5G will contribute US\$565 billion to global GDP, and hundreds of millions more will be connected to voice, data and broadband. Fully realising this growth will require the action of governments at WRC-19.

On behalf of the mobile industry and, more importantly, the citizens and businesses all over the world that depend on robust mobile networks, the GSMA Board urges governments to identify spectrum in the 26, 40 and 66 GHz bands at WRC-19 for mobile. By doing so, you can lay the essential foundation for a bright 5G future.

Yours sincerely,

## The GSMA and the GSMA board members

