

# Vodafone Romania

## The Digital Dividend, Opportunities and Challenges

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# Spectrum Priorities – Main Challenges

- Spectrum is a limited resource and is the lifeblood of the mobile economy
- Develop an overall spectrum strategy which will help to drive the uptake of mobile broadband
- A proper spectrum strategy should include the following three issues:
  - Quantity of spectrum
  - Structure of spectrum
  - Ownership of spectrum



# Spectrum Priorities – Main Challenges

## ➤ Quantity of spectrum

- ✓ Today mobile industry is using less than 8% of all spectrum below 5GHz. We will need 20% by 2020 in order to match the demand of mobile data
- ✓ Digital Dividend was the single most important achievement of European telecoms policy in the past 5 years. But is just a step forward.
- ✓ It is important for regulators to consider spectrum bands in a holistic way, rather than making decisions on a band by band basis.

## ➤ Structure of spectrum

- ✓ We should change the way we think about organizing spectrum if we plan to move for mobile broadband
- ✓ The bands need to be wider – 20 MHz or more – both for new spectrum but also for reusing the existing spectrum we have
- ✓ Equal spectrum allocations in each band - is no longer a viable way of thinking on spectrum structure and competition

## ➤ Ownership of spectrum

- ✓ Clear, stable and predictable regulations are needed for license renewals and for new spectrum allocations.
- ✓ We urge for clarity about when and how the existing licenses will be renewed and for when and how the digital dividend will be allocated for mobile industry.



# Spectrum Priorities – Summary

- A proper spectrum strategy is needed and should look beyond the next few years. We have suggested three main challenges:
  - ✓ Need to find more spectrum for mobile data for matching the fast growing demand
  - ✓ Need a new thinking on the way we structure the spectrum - meaning wider bands, less fragmentation and accepting no equal allocations in each band
  - ✓ Remove the uncertainty on renewal process and new spectrum allocations. Design the new licenses according with the future business model, not the past.



## > Internet Mobile Broadband in UMTS 900MHz

