



Federal Ministry  
of Transport and  
Digital Infrastructure

## Working Session *Smart Mobility*

# *“Building The Connected Car Ecosystem In Europe”*

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## ❖ Required Actions to bring 5G on the roads

- Member States are to make radio frequency spectrum for 5G available and establish clear and proportionate coverage obligations
- Considerable efforts required by telecommunications and automotive industries
- European Commission is to establish clear framework conditions for national funding programmes

## ❖ Actions taken by the Federal Government of Germany

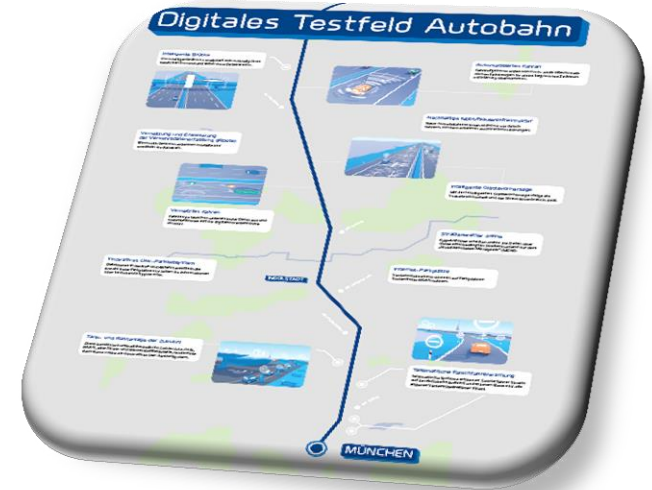
- Providing 5G connectivity on German transport routes as essential precondition
- Balanced coverage obligations to ensure mobile communications network coverage along major transport routes
- Fulfilling the requirements under the new European Electronic Communications Code: requesting Member States to make available 5G frequencies by December 2020

# ❖ Telecommunication and automotive industry

- Coordinated actions required by telecommunication and automotive industry
  
- Digital Motorway Test Bed on the motorway A9 in Germany as an example of a successful consortium of different stakeholders
  - Different Stakeholders: mobile communications providers, technology suppliers, automotive manufacturers, Federal Government and federal state authorities

# ❖ Digital Motorway Test Bed in Germany

- Automotive industry, suppliers, telecommunications companies and research institutes are testing new technologies
- Tests are carried out in a perfect environment in real traffic on the A9 motorway between Munich and Nuremberg
- Businesses and research facilities which are interested can submit their own suggestions for measures
- Measures to develop the digitalized road with smart infrastructure



**The combination of modern infrastructure and fast transmission technologies is what makes the Digital Test Bed a unique test facility**



# ❖ European Union

- The new European Electronic Communications Code is a balanced approach
- Germany welcomes the fact that EU makes available funds through digital part of CEF for such test beds and upgrading of major European transport corridors (5G corridors)

# Thank you!

## Contact

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