

# NEXT GENERATION MOBILE NETWORKS ALLIANCE

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## Delivering Value in 5G & Beyond

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Open Edge Computing

# NGMN GLOBAL PARTNERSHIP

About 80 Members and Partners

## MEMBERS

NGMN Operators with over 200 networks serving more than 60 % of all global mobile users



## CONTRIBUTORS

NGMN telco vendors, software companies and many other leading industry players contributing and driving the advancement of future mobile network technologies



## ADVISORS

NGMN research institutes contributing substantially to mid- to long-term innovation



# NGMN COOPERATION PARTNERS



## COOPERATION ACTIVITIES:

### JOINT PROJECT WORK

- Project activities in areas of interest for both organisations
- Joint publication of deliverables
- Easy exchange of information during project work

### JOINT MARKETING

- Cross-marketing of conferences & events
- Speaker, moderator, exhibition at IC&E
- Advertisement of deliverables and publications

### EXAMPLES

- GSMA – Regular exchange of information on work programme activities
- ITU – Regular information exchange
- ETSI – Participation in General Assembly, mutually promoting conferences
- 3GPP – Participation in PCG meeting as MRP
- 5GAA – Ambassador for information exchange between organisations
- ESOA – Joint project activities on extreme long range communication
- 5G Americas – Mutually promoting deliverables and conferences
- GCF – Regular exchange of information on 5G Devices & Chipsets
- 5G ACIA – Regular exchange of information on requirements
- WBA – Joint project on RAN Convergence and marketing
- 5GPPP – Information exchange, following network2020 Steering Board
- GTI – Cross-marketing of events and activities
- O-RAN Alliance - Exchange of views on the RAN decomposition for 5G networks
- WIP – Supporting NGMN's Industry Conference & Exhibition

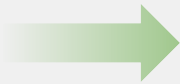


# STRATEGY

Alongside with projects supporting 5G's full implementation, the focus of NGMN's Work Programme in 2021 and beyond is on three main equally important pillars with different time horizons



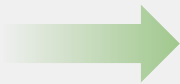
**ROUTE TO  
DISAGGREGATION**



Leading in the development of open, disaggregated, virtualised and cloud native solutions with focus on the E2E Operating Model – Complements NGMN work on Cloud Native 5G including Edge Computing



**GREEN FUTURE  
NETWORKS**



Building sustainable & environmentally conscious solutions



Eco-design and end-to-end services footprint



Network energy efficiency



On-board metering



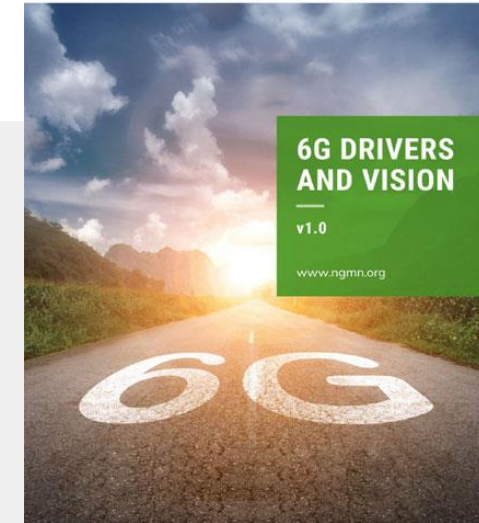
**6G**



Flurry of Activities have started on ground work and research for 6G. NGMN has started by sharing guidance on drivers and vision towards 6G

# MOTIVATIONS AND DRIVERS FOR 6G

The NGMN White Paper addresses the **drivers** that provide the direction to 6G, and a **vision** towards delivery.



Societal & Environmental Benefits

Expanded & Differentiated Services with Novel Experience

Operational Necessities To Create & Deliver Enhanced Value

- The need to address **societal objectives** at large, as also expressed in the United Nations (UN) Sustainable Development Goals (**SDG**).
- The need to satisfy **customer requirements** by offering **new services and capabilities**, supported by evolving technologies in a **cost-effective** manner.
- The need to make the planning, deployment, operations, management, and performance of the value creation and delivery of the mobile operator's networks increasingly **more efficient**.

# 5G Full Realization & A JOURNEY TOWARDS 6G

Digital Transformation  
& Automated Industries  
– 5G & Beyond

Continued realization and expansion – Autonomous & cognitive, distributed intelligence and edge computing, hybrid cloud, multi-access service ubiquity, coverage & hyper connectivity, sustainability & social responsibility.

Differentiated Tech  
Evolution

Work must be undertaken to assess new technologies, but also with respect to the differentiated **societal, market and value opportunity**.

Increased Scope for the  
SDOs

To drive full ecosystem value creation, automation, visibility, and efficiency, the SDOs need to take a **holistic end-to-end** view of the entire ecosystem.

Unity and Integrity of  
Global Standards

Critical to **prevent duplication** which causes market delays and confusion, as well as divergence which threatens **fragmentation**.

Supply Chain Diversity  
& Sustainability

The industry must foster and encourage a **healthy and competitive** development to ensure a stable global supply chain.

# THANK YOU!

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In case of further questions please contact  
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