

# Network requirements for the metaverse: towards 6G and a Universal Digital Fabric

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# About this report

This report looks at the drivers of the metaverse, which will evolve from current digital use cases and systems. It focuses on how this evolution will require changes to the way that networks are delivered.

The report provides recommendations for communications service providers (CSPs) and vendors that are first seeking to address the needs of industrial customers that are adopting metaverse technologies and later, the requirements of the consumer metaverse.

The report is based on several sources including Analysys Mason's internal research, interviews with stakeholders in the metaverse market and network visionaries in vendor and operator organisations.



### **KEY QUESTIONS ANSWERED IN THIS REPORT**

- How is the metaverse market developing and what does this mean for networking?
- Why will current networks not address the eventual connectivity needs of the metaverse?
- How should the telecoms industry start to address these connectivity needs and what role will 5G-Advanced<sup>1</sup> play?
- What do 6G networks require to support metaverse developments?
- What is a Universal Digital Fabric and why is it needed?



- Strategy and business development executives in operator and vendor organisations
- CTO/CTIO offices in operator and vendor organisations
- Standards organisations
- Regulators and telecoms industry investors

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Contents

### • • • • • • • • • • • • • • • •

**Executive summary** 

Research overview

Drivers for metaverse connectivity

Evolving connectivity for the industrial metaverse

Realising 6G as a Universal Digital Fabric will unleash the true metaverse

About the authors and Analysys Mason



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Next-Generation Wireless Networks Wireless Infrastructure Strategies Fibre Infrastructure Strategies Operator Investment Strategies Telecoms Strategy and Forecast Transport Network Strategies



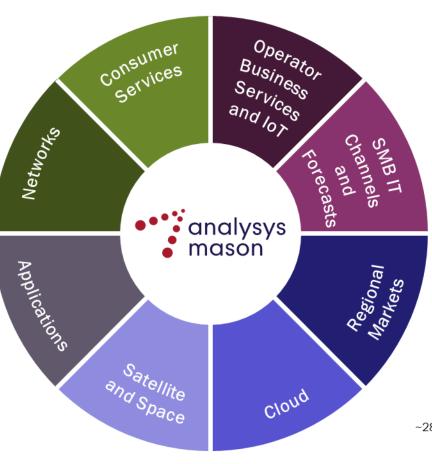
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Network Automation and Orchestration Customer Engagement Monetisation Platforms **Digital Experience** Automated Assurance Service Design and Orchestration Telecoms Software Market Shares



#### Satellite and Space

Satellite Communications Space Applications and Infrastructure



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Enterprise Services SME Services IoT Services Private Networks



Cyber Security SMB Technology Forecaster

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Global Telecoms Data and Financial KPIs Americas Asia-Pacific Middle East and Africa European Core Forecasts European Telecoms Market Matrix European Country Reports



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