

About this report

This report analyses the likely shape of the business models – and associated value chains – that will emerge with the evolution of the metaverse. This will be a process of significant change starting now, and extending to 2030 and beyond, by which time we envisage a Universal Digital Fabric (UDF)¹ that will enable the next generation of metaverse and 6G businesses.

The report provides predictions, roadmaps and recommendations for traditional and new telecoms operators, to help them formulate their strategies to maximise their role in metaverse value chains. It describes the value chains in the context of four layers, each of them providing different opportunities and challenges for operators. It also analyses the importance of converged, software-defined telecoms networks in various stages of evolution of the full metaverse/6G model and recommends how operators should capitalise on the assets and expertise that they have.

It is based on several sources, including:

- material developed for a keynote presentation for the Analysys Mason European Telecoms Summit 2022
- interviews and surveys of traditional and new operators and other stakeholders such as cloud providers
- forecasts of operator investment and ownership models for mobile, fixed and cloud infrastructure.



KEY QUESTIONS ANSWERED IN THIS REPORT

- How will value chains change to support industrial 5G platforms and future 6G/metaverse services?
- Which operator assets are essential to the development of the UDF to enable 6G/metaverse services?
- How can operators maximise the value of these assets in new value chains, however these eventually shape up?
- Should operators try to move to a digital services role or focus on infrastructure and on other strengths that can be adapted and expanded for future businesses?



WHO SHOULD READ THIS REPORT

- Strategy and futurism teams within operators
- Strategy and standards teams within vendors and other ecosystem players that are active in developing new platforms and frameworks for industrial 5G-Advanced (5G-A) and 6G/metaverse.
- Leaders of relevant industry organisations (for example, Telecom Infra Project and Open Compute Project)







Executive summary

Research overview

Strategies to future-proof current 5G networks and business models

Value chain strategies for operators in the Industrial Edge Platform

Value chain strategies for operators in the Universal Digital Fabric

Appendix

About the authors and Analysys Mason



Our research services



Consumer Services

Fixed Broadband Services
Mobile Services
Fixed-Mobile Convergence
Smart Devices
Future Comms
Video, Gaming and Entertainment
Digital Services



Networks

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



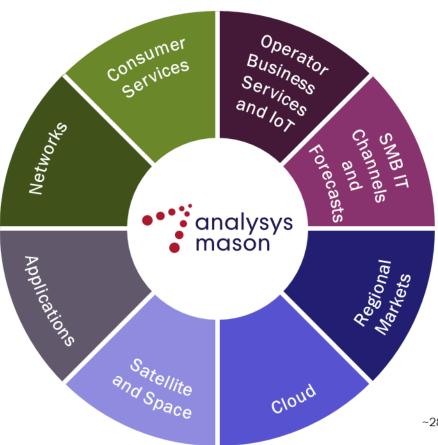
Applications

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



analysysmason.com/what-we-do/practices/research

Operator Business Services and IoT



Enterprise Services SME Services IoT Services Private Networks

SMB IT Channels and Forecasts



Cyber Security SMB Technology Forecaster

Regional Markets



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

Cloud



Cloud Infrastructure Strategies
Data, Al and Development Platforms
Edge and Media Platforms
Multi-Cloud Networking

DataHub



~2800 forecast and 280+ historical metrics Regional results and worldwide totals Operator historical data



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