



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



Caroline Chappell and Caroline Gabriel

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-Advanced¹ play?
- What do 6G networks require to support metaverse developments?
- What is a Universal Digital Fabric and why is it needed?



GEOGRAPHICAL COVERAGE

- Worldwide



WHO SHOULD READ THIS REPORT

- 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



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

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 - Edge and Media Platforms
 - Multi-Cloud Networking
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DataHub
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 - Regional results and worldwide totals
 - Operator historical data

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