



3rd Edition

5G via Satellite

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5G is helping to change Telcos mindset, now perceiving satellite as an additional tool to expand their range of services. The satellite industry is doing a good job in influencing 3GPP standards, increasingly integrating into the mainstream ecosystem. While 5G demand hasn't still materialized in scale, NSR expects a big inflection point around 2025, when all these efforts will pay off, stimulating tremendous growth.

Dear Reader,

NSR's **5G via Satellite, 3rd Edition** is the first and only analysis covering the impact of 5G in its wider scope for the satellite industry. The report offers a strategic assessment and a quantitative forecast for the opportunities unlocked by 5G in the Satcom ecosystem.

2022 has been a defining year for the future of 5G and the satellite industry. 3GPP Release 17 was approved early this year, making satellite and NTN a part of 5G. This is the foundation for the Direct Satellite-to-Device and IoT markets to develop to their full potential attracting hundreds of millions of subscribers by the end of the decade. There were also definitive steps forward by actors in this segment, even with pre-standard approaches, such as Lynk, AST SpaceMobile and Omnispace's test satellites, Apple/Globalstar's launch of early services, or the entrance of SpaceX/T-Mobile in the game.

5G will be a major tool for stimulating demand across verticals. Not only Backhaul and Trunking will benefit from higher bandwidth requirements and coverage expectations, but easier integration with Telco, Cloud and Edge will unlock new opportunities in the Corporate Networks segment. The requirements of Mobility segments match very well with the network flexibility brought by 5G, creating extraordinary opportunities for Maritime, Aero, Land Mobile or even Gov/Mil verticals.

The pace of innovation in the satellite industry is accelerating. The satellite industry must avoid re-inventing the wheel and can leverage many of the tools developed in the 5G ecosystem to reach scale, reduce time to market and enhance performances. Cloud, virtualization and standardized service orchestration will play a fundamental role in the coming years, also transforming the Business Models across the value chain.

As always, we remain available for any clarifications needed on the data and elements discussed in this or any of the reports on NSR's library. We truly appreciate your trust and support with the purchase of this report.

Enjoy the reading,

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