



Name & Organisation

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Presentation title

Brazilian Approach to Monitoring Emerging Satellite Networks

Abstract

The evolving satellite market presents new challenges for national administrations. The widespread adoption of high-throughput satellites (HTS) with spot beam technology, combined with the deployment of non-geostationary satellite orbit (NGSO) mega constellations, has made effective monitoring of the satellite telecommunications sector increasingly complex. This presentation outlines Brazil's approach to addressing these challenges, emphasizing collaboration with satellite operators and the use of statistical validation through space radio monitoring.

Short bio

Marcus Arrais holds a degree in electrical engineering from the Federal University of Goiás and a master's degree from the Pontifical Catholic University of Rio de Janeiro. He served as Director of Infrastructure Projects for the Brazilian Ministry of Communications. He currently serves as an advisor to the National Telecommunications Agency's Inspection Superintendence and coordinates Anatel's working group for the modernization of satellite radio monitoring system.