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Name & Organisation

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Presentation title

Spectrum Engineering for Satellite Systems: An Overview of WG SE Activities

Abstract

This presentation provides an overview of current CEPT ECC Working Group Spectrum Engineering (WG SE) activities related to satellite systems and spectrum sharing. It highlights selected work items, including interference measurements for Iridium, technical studies supporting the EC Mandate on D2D-IMT, the revision of ECC Report 271 addressing updated SpaceX Starlink NGSO satellite systems, and early-stage developments in satellite modelling within the ECO's SEAMCAT tool, illustrating how WG SE is addressing increasingly dynamic and technically complex spectrum-sharing challenges associated with satellite systems.

Short bio

Dr Ivica Stevanovic is Head of the Radio Technology Section at the Swiss Federal Office of Communications (OFCOM). He chairs the CEPT ECC Working Group Spectrum Engineering (WG SE) and serves as Vice-Chair of ITU-R Study Group 3, where he chairs working groups on path-specific terrestrial propagation and interference and coordination. He is an IEEE Senior Member, President of the Swiss National Committee of URSI, and author of 21 journal and more than 50 refereed conference papers, with over two decades of experience in spectrum engineering, radio propagation, and wireless communications.