



INTERNATIONAL SPACE RADIO MONITORING MEETING



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BUCHAREST
ROMANIA



Name & Organisation

Itsuki Iwata - The Mitsubishi Research Institute (MRI), for Japan's Ministry of Internal Affairs and Communications (MIC)

Presentation title

Recognition of Challenges and Direction of Countermeasures for Spectrum Monitoring of NGSO Constellation Satellites in Japan

Abstract

MIC will present Japan's current challenges and planned response for monitoring NGSO constellation systems. The presentation covers Ku-band pilot monitoring with parabolic and flat-panel antennas, calibration and measurement uncertainty, RF transmission trends and GEO-arc avoidance observations. Japan plans a trailer-mounted monitoring system and operational framework, with a target for full-scale operations in FY2027 and future expansion. Priority measurement areas include GEO-arc avoidance, detailed PFD measurement and development of an EPFD measurement methodology.

Short bio

Mr Itsuki Iwata is a Researcher at the Mitsubishi Research Institute, Inc., participating in a technical support role for the Ministry of Internal Affairs and Communications (MIC), Japan