Name & Organisation

Martin Coleman – Satcoms Innovation Group (SIG)

Presentation title

*Spectrum Monitoring ...more **S3A** than RFI!*

Abstract

*"…with today's complex **RFI** landscape, **Spectrum** is on the Move! This requires new thinking and processes and a move from SSA to **S3A** = Space **& Spectrum** Situational Awareness. Timing is critical! RFI is now a truly dynamic challenge. Predictive methods & traffic automation to manage **RFI** is crucial. So, how do we get there? This presentation aims to clarify the situation and look towards real time solutions."*

Short bio

Martin Coleman is a Satcoms Innovation Group (SIG) board member. Since 2011, Martin has been active in spearheading several significant initiatives, leading the advance in new tools to resolve all types of VSAT interference such as SatGuard and the campaign to introduce Carrier ID across all SCPC/MCPC transmissions. Now focusing on **S3A** (...putting **S**pectrum into the **SS**A mix) and the next generation of tools and automation techniques required to meet the demands of LEO and MEO network expansion to better manage spectrum and ground infrastructure. In addition, and on behalf of SIG, Martin engages with local schools through **STEAM** (**A**rts inclusive **STEM**) helping to mentor and educate students from primary school to university for careers in space and telecoms.

Martin's own company, Colem Engineering, a software design and project management company, developing innovative technology and processes, network management systems and automation control of satellite ground systems. Prior to setting up Colem, Martin was executive engineer in charge of various BT projects for Madley, Goonhilly and other ground station systems within the UK as well as working at London's international switching centres, starting his career in 1970.

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SIG Website: https://satig.space/ Colem's Resource Library for links to STEAM and RFI information: https://rfi.colem.co.uk/