

- Shaping policy outcomes
- Gaining access to new markets
- Ensuring compliance



## Technical Policy Capabilities

### Summary

All new technologies and services, whether they operate on land, the sea, in the air or from space, must conform with the International Telecommunication Union (ITU) Radio Regulations.

These regulations aim to promote technological advances, equitable access, and rational use of spectrum to avoid waste and harmful interference. Member states reflect these tenets in their regional and national policies, prescribing market access requirements for communication technologies and services.

### Market Access and Regulatory Engineering

Through our technical and regulatory expertise, Access Partnership is a leader in the introduction of new radio technologies and services to market. Our team of experts offer the following services:



*System design* — optimising the performance of technology and bench-marking performance against industry best practice.



*Regulatory* — developing compatibility analysis to help clients and regulators understand the interference environment likely to result from the introduction of new technologies or services, and identifying if and how to mitigate any unacceptable interference.



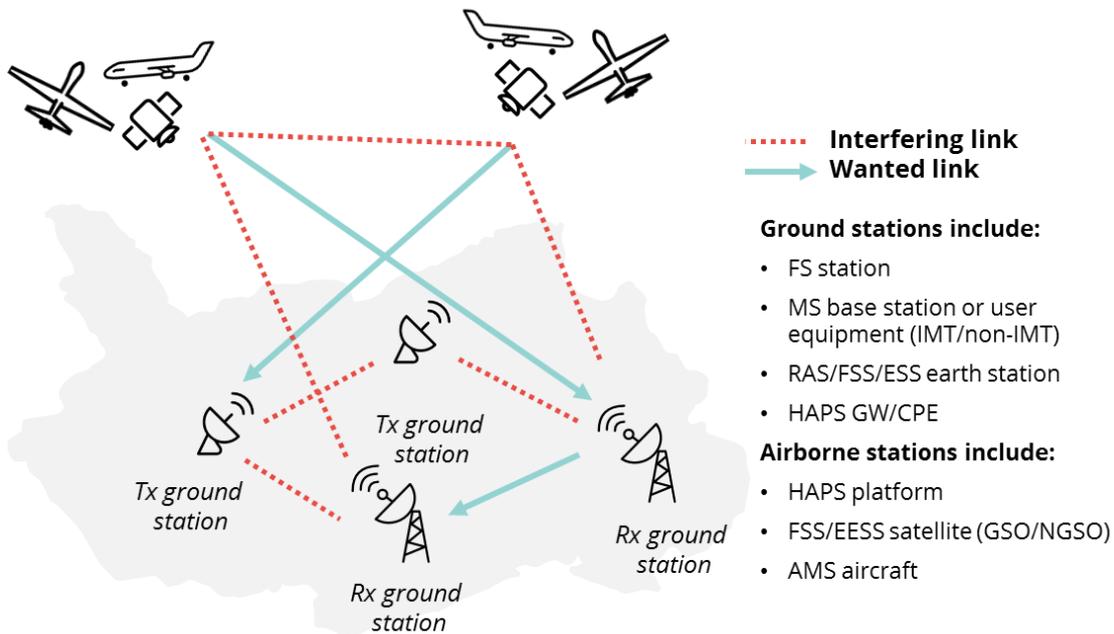
*Spectrum management* — determining the most appropriate regulatory or licensing framework to use to ensure optimal efficiency and economic benefits from new technologies or services.



*Network coordination* — undertaking network coordination, following Radio Regulations processes as necessary, to support sustainable market access.

Our regulatory engineering activity uses industry-recognised software tools (such as SEAMCAT, Visualyse Professional, MATLAB), as well as custom-made tools based on our own experience.

We maintain an extensive library of predefined modules, including propagation, antennas, and interference which model ITU-R Recommendations.



## Our Experience

Since 1999 we have helped equipment vendors, network operators, service providers, national telecommunication administrations, and investors negotiate the technical and regulatory processes for introducing new technologies to market, including:

- Fixed-satellite, mobile-satellite and broadcast-satellite systems, using both the traditional geostationary orbit as well as non-geostationary constellations
- Advanced mobile IMT networks: GSM, UMTS, E-UTRA, 5G
- Mobile communications on vessels and aircraft
- Mobile communications on aircraft
- Wireless chargers
- Advanced VSAT, radar, and mobile-satellite antennas
- Satellite modems
- TV-band White Space systems
- High-altitude platform stations (HAPS)
- Geo-location databases

We have dedicated engagement teams in the processes of most regional groups (APT, ASMG, ATU, CEPT and CITEL), as well as following ITU-R, ITU-D and ITU-T activities and industry standards bodies such as ETSI and 3GPP. In this capacity we:

- Develop strategies for successful market access for new technologies.
- Prepare technical collateral describing how market access can be most efficiently achieved.
- Advocate for regulatory change where necessary.
- Position the technology against the policy objectives and needs of telecommunications administrations and other stakeholders.

## About Access Partnership

Access Partnership offers a class-leading regulatory and policy consultancy service, combining extensive technical knowledge and experience, with a policy-setting capability to ensure compliance of your technology with international, regional and national requirements and objectives.

If you are interested in our services, please contact:

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