

Wavefront is committed to training and supporting their customers. Part of this commitment is offering a series of courses that promote efficient use of the satellite orbit and spectrum resources. Satellite Coordination 101 will guide you through the basics of satellite coordination including the ITU regulatory process and link budget calculations. The ITU is the organization that administers international radiocommunication standards. The *ITU Handbook on Satellite Communications* is the essential overview of satellite communications from the ITU and will be referenced throughout the course. Satellite Coordination 101 is available for your team's training as a web conference or as part of a training seminar at your location or ours. Wavefront can also customize a training seminar to meet your team's specific goals.

Satellite Coordination 101 Course Outline

Chapter 2 (ITU)	Introduction and Fundamental Technical Issues and Concepts
Section 2.2	Quality and Availability
Section 2.3	Link Calculations SRS data used in link budgets Example link budgets for use in satellite interference calculations Clear sky performance Faded performance – calculation of availability C/I
Section 2.4	Earth Coverage and Frequency Reuse
Chapter 6 (ITU)	Space Segment
Section 6.7	Reliability and availability considerations
Chapter 7 (ITU)	Earth Segment
Section 7.1	Configuration and General Characteristics of Earth Stations
Section 7.2	Antenna System Introduction to antenna equations Antenna reference patterns as published by the ITU-R Modeling of reference antenna pattern MATLAB Antennae Pattern Toolbox developed by Wavefront for ITU
Chapter 9 (ITU)	Frequency Sharing, Interference and Coordination
Section 9.1	Radio Regulations provisions and ITU-R procedures
Section 9.3	Frequency sharing between GSO FSS networks
Section 9.4	Frequency sharing between the GSO FSS networks and other space stations

