



Satellite Communication Fundamentals (8000)

Title	8000 Satellite Communication Fundamentals (VSAT)
Level	Entry / Beginners
Objectives	The participant will get good knowledge about satellite communication fundamentals and will get the prerequisite knowledge to continue with our product specific courses.
Contents	<p>The following topics are included:</p> <ul style="list-style-type: none">• History & benefits of satellite communication,• The satellite & the satellite link,• Units & definitions,• Multiplexing methods,• From voice to bits – digitization basics,• From bits to waves – modulation basics,• Basic VSAT ground station overview,• Antenna basics,• Transmit & receive components (demonstration waveguide),• Safety at work,• Spectrum analyzer basics,• Optional: Hands-on antenna pointing exercise.
Target Group	Anyone interested in satellite communication or persons new in satellite communication technology.
Duration	2 days
Prerequisites	The following prerequisites are mandatory for the participant: <ul style="list-style-type: none">• General good English language skills.
Environment	Classroom
Methods	Lecture, discussion, demonstrations.