



Course Details

Network Commissioning & Operation (9240)

Title	9240 - SKYWAN 5G Network Commissioning & Operation
Level	Basic / Specialist
Objectives	<p>The participant will be able to: Plan and configure an entire SKYWAN network ready for network operation based on a predefined design, i.e.:</p> <ul style="list-style-type: none"> • Set and maintain network & station parameter configuration, • Configure and adjust network management relevant parameters, • Monitor & control relevant parameters for network operation, • Maintain the required grade of service within the network. <p>This course is the mandatory prerequisite for the participation in the additional certification course 'Expert SKYWAN 5G Network Commissioner'.</p>
Contents	<p>Brief description of SKYWAN solution:</p> <ul style="list-style-type: none"> • SKYWAN 5G IDU features, • SKYWAN 5G NMS features. <p>SKYWAN NMS installation Parameter configuration and user IP-traffic:</p> <ul style="list-style-type: none"> • Initial network configuration, • Satellite link, • IP-feature overview (OSPF/VRF) • Router configuration <p>Monitor & control relevant parameters for operation:</p> <ul style="list-style-type: none"> • Reconfiguration cases (fully meshed to star; new frequencies), • Pitfalls & troubleshooting, • Monitoring TDMA parameters <p>NMS network tasks:</p> <ul style="list-style-type: none"> • Network adjustments, • Network trouble-shooting procedures,
Target Group	SKYWAN 5G - Network Operator
Duration	5 days
Prerequisites	<p>The following prerequisites are mandatory for the participant:</p> <ul style="list-style-type: none"> • Good knowledge in TCP/IP basics, • Good knowledge in 'satellite communication fundamentals (VSAT)', • General good English language skills.
Environment	SKYWAN 5G hardware, PC or notebook with SKYWAN NMS software, inter-cabling of some SKYWAN stations for a small network.
Methods	Lecture, hands-on with NMS tools, demonstrations, practical exercises.