Network Commissioning & Operation (9240)

Title	9240 - SKYWAN 5G Network Commissioning & Operation
Level	Basic / Specialist
Objectives	The participant will be able to: Plan and configure an entire SKYWAN network ready for network operation based on a predefined design, i.e.: • 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. This course is the mandatory prerequisite for the participation in the additional certification course 'Expert SKYWAN 5G Network Commissioner'.
Contents	Brief description of SKYWAN solution: • SKYWAN 5G IDU features, • SKYWAN 5G NMS features. SKYWAN NMS installation Parameter configuration and user IP-traffic: • Initial network configuration, • Satellite link, • IP-feature overview (OSPF/VRF) • Router configuration Monitor & control relevant parameters for operation: • Reconfiguration cases (fully meshed to star; new frequencies), • Pitfalls & troubleshooting, • Monitoring TDMA parameters NMS network tasks: • Network adjustments, • Network trouble-shooting procedures,
Target Group	SKYWAN 5G - Network Operator
Duration	5 days
Prerequisites	The following prerequisites are mandatory for the participant: • 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.