

# ND SATCOM

## Course Details: 9250

Title	9250 - SKYWAN 5G Network Commissioning
<b>Level</b>	Advanced / Expert
<b>Objectives</b>	<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"><li>• Configure network management relevant parameters,</li><li>• Monitor &amp; control relevant parameters for proper network operation,</li><li>• Maintain the required grade of service within the network,</li><li>• Perform necessary FAT- and NAT-procedures.</li></ul> <p>This course is the mandatory prerequisite for the participation in the additional certification course 'Expert SKYWAN 5G Network Operator'.</p>
<b>Contents</b>	<p>Parameter configuration for certain use cases:</p> <ul style="list-style-type: none"><li>• Network Configurator (Configuration groups &amp; profiles concept; network planning, profile activation &amp; configuration upload),</li><li>• Satellite link (Configuration of station; network &amp; master/ backup-master),</li><li>• Network management parameter (Access control for node- &amp; network management).</li></ul> <p>Acceptance tests:</p> <ul style="list-style-type: none"><li>• Run FAT procedure,</li><li>• Run NAT procedure,</li><li>• Troubleshooting approach.</li></ul> <p>Special configurations:</p> <ul style="list-style-type: none"><li>• Station &amp; network redundancy,</li><li>• Hybrid topologies,</li></ul> <p>Configure &amp; optimize user IP-traffic:</p> <ul style="list-style-type: none"><li>• Quality-of-Service features for IP-traffic,</li><li>• Advanced router configuration.</li></ul> <p>SKYWAN NMS advanced network tasks:</p> <ul style="list-style-type: none"><li>• Advanced network adjustments,</li><li>• Advanced monitoring &amp; additional useful graphs.</li></ul>
<b>Target Group</b>	SKYWAN 5G - Network Operator
<b>Duration</b>	3 days
<b>Prerequisites</b>	<p>The following prerequisites are mandatory for the participant:</p> <ul style="list-style-type: none"><li>• Participation in ND SatCom courses 9240 and 9242,</li><li>• General good English language skills.</li></ul>
<b>Environment</b>	SKYWAN 5G hardware, PC or notebook with SKYWAN NMS software, inter-cabling of some SKYWAN stations for a small network.
<b>Methods</b>	Lecture, hands-on with NMS tools, demonstrations, practical exercises.