



## Course Details

### Network Commissioning & Operation Advanced (9250)

<b>Title</b>	<b>9250- SKYWAN 5G Network Commissioning &amp; Operation Advanced</b>
<b>Level</b>	Basic / Specialist
<b>Objectives</b>	<p>The participant will be able to:</p> <ul style="list-style-type: none"> <li>• use advanced NMS user interfaces (CLI, Station Configuration menu) for network &amp; station parameter configuration,</li> <li>• understand and configure advanced IP network features,</li> <li>• understand and configure advanced satellite link features,</li> <li>• understand and configure Point-to-Point satellite links</li> <li>• use advanced NMS tools for Network monitoring and troubleshooting,</li> </ul>
<b>Contents</b>	<p>Advanced NMS user interfaces:</p> <ul style="list-style-type: none"> <li>• NMS CLI,</li> <li>• Station configuration menu,</li> <li>• Station Live status menu,</li> </ul> <p>Advanced IP networking features:</p> <ul style="list-style-type: none"> <li>• Border Gateway Protocol (BGP)</li> <li>• GRE tunnels,</li> <li>• IP multicast</li> </ul> <p>Advanced satellite link features:</p> <ul style="list-style-type: none"> <li>• Multi request channel mode,</li> <li>• Communication on the move,</li> <li>• Satellite Link Layer Encryption</li> <li>• Adaptive Coding and Modulation (ACM)</li> </ul> <p>SKYWAN 5G Point-to-Point Link option NMS server administration tasks</p>
<b>Target Group</b>	SKYWAN 5G - Network Operator
<b>Duration</b>	4 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 course 9240,</li> <li>• Good knowledge in 'satellite communication fundamentals (VSAT)',</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.