

# ND SATCOM

## Course Details: 9240

<b>Title</b>	<b>9240 - SKYWAN 5G Network Commissioning &amp; Operation</b>
<b>Level</b>	Specialist /
<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>• Set and maintain network &amp; station parameter configuration,</li><li>• Configure and adjust network management relevant parameters,</li><li>• Monitor &amp; control relevant parameters for network operation,</li><li>• Maintain the required grade of service within the network.</li></ul> <p>This course is the mandatory prerequisite for the participation in the additional certification course 'Expert SKYWAN 5G Network Commissioner' ***</p>
<b>Contents</b>	<p>Brief description of SKYWAN solution:</p> <ul style="list-style-type: none"><li>• SKYWAN 5G IDU features,</li><li>• SKYWAN 5G NMS features.</li></ul> <p>SKYWAN NMS installation Parameter configuration and user IP-traffic:</p> <ul style="list-style-type: none"><li>• Initial network configuration,</li><li>• Satellite link,</li><li>• IP-feature overview (OSPF/VRF)</li><li>• Router configuration</li></ul> <p>Monitor &amp; control relevant parameters for operation:</p> <ul style="list-style-type: none"><li>• Reconfiguration cases (fully meshed to star; new frequencies),</li><li>• Pitfalls &amp; troubleshooting,</li><li>• Monitoring TDMA parameters</li></ul> <p>NMS network tasks:</p> <ul style="list-style-type: none"><li>• Network adjustments,</li><li>• Network trouble-shooting procedures,</li></ul>
<b>Target Group</b>	SKYWAN 5G - Network Operator
<b>Duration</b>	5 days
<b>Prerequisites</b>	<p>The following prerequisites are mandatory for the participant:</p> <ul style="list-style-type: none"><li>• Good knowledge in TCP/IP basics,</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.

\*\*\* Please note: Expert Certification will be performed not before SKYWAN 5G , release 1.1.