

ND SATCOM

Course Details: 8250

Title	8250 - SKYWAN IDU 7000/1070 Network Commissioning & Operation
Level	Advanced / Expert
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 initial network & station parameter configuration,• Configure network management relevant parameters,• Monitor & control relevant parameters for proper network operation,• Maintain the required grade of service within the network,• Perform necessary FAT- and NAT-procedures. <p>This course is the mandatory prerequisite for the participation in the additional certification course 'Expert SKYWAN IDU 7000/1070 Network Operator'.</p>
Contents	<p>Parameter configuration for certain use cases:</p> <ul style="list-style-type: none">• Network Configurator (Configuration groups & profiles concept; network planning, profile activation & configuration upload),• Satellite link (Configuration of station; network & master/ backup-master),• Network management parameter (Access control for node- & network management). <p>Acceptance tests:</p> <ul style="list-style-type: none">• Run FAT procedure,• Run NAT procedure,• Troubleshooting approach. <p>Special configurations:</p> <ul style="list-style-type: none">• Station & network redundancy,• Basic configuration of serial interfaces (i.e. for standard user FR-traffic). <p>Configure & optimize user IP-traffic:</p> <ul style="list-style-type: none">• Quality-of-Service features for IP-traffic,• Advanced router configuration. <p>SKYWAN NMS advanced network tasks:</p> <ul style="list-style-type: none">• Advanced network adjustments,• Additional useful graphs.
Target Group	Network Operator
Duration	4 days / (if certification is required 1 additional day for certification)
Prerequisites	<p>The following prerequisites are mandatory for the participant:</p> <ul style="list-style-type: none">• ND SatCom course 8240,• Good knowledge in TCP/IP basics,• General good English language skills.
Environment	SKYWAN IDU 7000/1070 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.