

# ND SATCOM

## Course Details: 8350

<b>Title</b>	<b>8350 - SKYWAN IDU 7000/1070 Network Design &amp; Engineering</b>
<b>Level</b>	Advanced / Expert
<b>Objectives</b>	<p>The participant will have good knowledge about:</p> <ul style="list-style-type: none"><li>• Designing &amp; engineering SKYWAN satellite networks,</li><li>• Usage of the SKYWAN IDU 7000/1070 TDMA calculation tool.</li></ul> <p>This course is the mandatory prerequisite for the participation in the additional certification course 'Expert SKYWAN IDU 7000/1070 Network Designer'.</p>
<b>Contents</b>	<p>Work on various engineering example cases:</p> <p>Carrier &amp; outdoor unit design:</p> <ul style="list-style-type: none"><li>• Focus on frequent pitfalls and most critical design steps.</li><li>• Approaches for design optimization,</li><li>• Usage of DDD template &amp; result documentation,</li><li>• Interfacing with 'Network Commissioning'.</li></ul> <p>Advanced traffic analysis and QoS-requirements.</p>
<b>Target Group</b>	Network Designer
<b>Duration</b>	2 days (if certification is required 1 additional day for certification)
<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 8340,</li><li>• General good English language skills.</li></ul>
<b>Environment</b>	PC or notebook with SKYWAN IDU 7000/1070 TDMA calculation tool and MS Excel and SKYWAN link budget tool.
<b>Methods</b>	Lecture, advanced exercises, hands-on tool training.