



## Course Details

### DVB S2 (9245)

<b>Title</b>	<b>9245 - DVB S-2</b>
<b>Level</b>	Advanced / Expert
<b>Objectives</b>	The participant will be able to: <ul style="list-style-type: none"><li>▪ Understand feature and benefits of the DVB-S2 Option in SKYWAN 5G networks.</li><li>▪ Perform configuration of the SKYWAN IDU, DVB Gateway and Hub router using input from Network Engineering.</li><li>▪ Perform monitoring to ensure proper operation of the DVB-S2 links.</li></ul>
<b>Contents</b>	<p>Brief description of SKYWAN DVB solution:</p> <ul style="list-style-type: none"><li>• DVB-S2 standard</li><li>• DVB-S2 option in SKYWAN 5G networks</li></ul> <p>SKYWAN specific configuration:</p> <ul style="list-style-type: none"><li>• DVB Gateway</li><li>• Hub router</li><li>• DVB-S2 receiver</li></ul> <p>Monitor &amp; control relevant parameters for operation:</p> <ul style="list-style-type: none"><li>• Pitfalls &amp; troubleshooting</li><li>• Monitoring DVB-S2 parameters</li></ul>
<b>Target Group</b>	SKYWAN 5G - Network Operator
<b>Duration</b>	1 day
<b>Prerequisites</b>	The following prerequisites are mandatory for the participant: <ul style="list-style-type: none"><li>• Participation in ND SATCOM course 9240</li><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, DVB Gateway AT-60, Hub router, PC or notebook with SKYWAN NMS software, inter-cabling of some SKYWAN stations and the DVB Gateway and Hub router for a small network.
<b>Methods</b>	Lecture, hands-on with NMS tools, demonstrations