

Radio Programming

Nokia, in collaboration with the customer, will produce a Microwave Low Level Design (LLD) for the Wavence microwave radios.

Inputs to this design include the BoM (Bill of Material), Network High Level Design (HLD), rack face drawing (s), and the Microwave Path Design and/or Prior Coordination Notices (PCN).

The Microwave Low Level Design (LLD) is derived from these artifacts and is intended to support the software configuration of the nodes within the project scope.

The MW LLD documents all relevant parameters required to be configured on the Wavence radio for each site in the customer network. These parameters include:

- Radio configuration – frequencies, power, channel size, link type (HSB, XPIC, RLAG, etc.)
- Data services – Ethernet port configuration, VLAN switching and/or forwarding (.1Q, QinQ, tagging and untagging, etc.), DS1 configuration, etc.
- Management – System and interface IP information
- Other – network sync, Quality of Service (QoS), Network Time Protocol (NTP) server IPs

When a microwave link is integrated with a Nokia IP/MPLS solution, the Wavence Low Level design provides seamless connectivity and integration into the Layer 3 IP/MPLS routing network.

The nodal level software configurations can be applied during factory staging along with the other system network elements if network integration is required or applied in the field if the microwave components are an addition to an existing network.