

# APPLICATION NOTE

## VOICE AND DATA BACKHAUL



### Raise Cellular Network Capacity and Service Quality

#### The challenge:

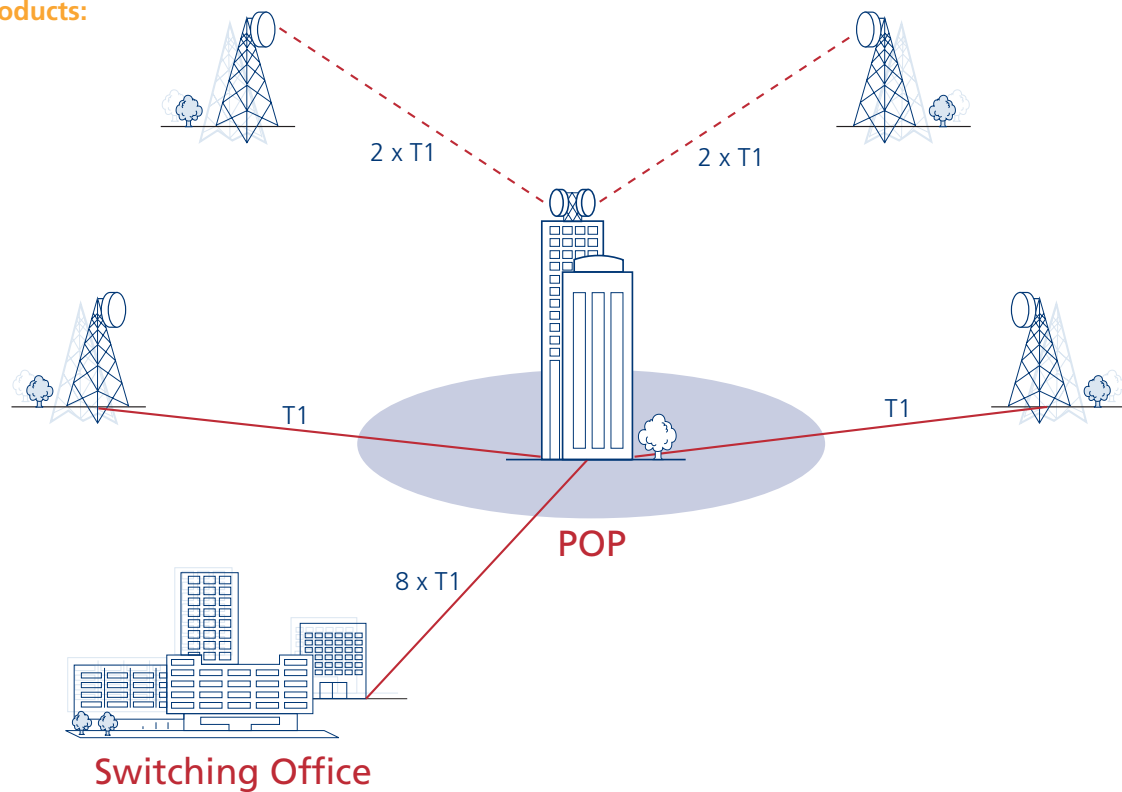
More and more people worldwide are using cellular telephones as a primary means of communication, even when they are near a land line alternative – which increases cellular usage. Cellular traffic has also expanded with the advent of phone-based Internet browsing, email and photography. Thus, despite high cellular service saturation, the average usage rate and file size are both on the rise. Cellular providers are faced with over-subscribed networks and equipment that is expensive to upgrade. Failure to add capacity could result in dropped calls, delayed dialing, and subscriber churn.

#### The solution:

Adding cellular network capacity becomes affordable and quick to install with wireless backhaul equipment. The added capacity results in first-try dialing and higher customer satisfaction. After calculating the necessary increase in Points of Presence, voice traffic backhaul using wireless point-to-point systems is both more affordable and just as reliable as wired solutions. Lowest-latency, native voice interfaces on Proxim wireless backhaul solutions make adding network capacity with wireless (instead of fiber or copper lines) a solution with no quality sacrifice.

#### The products:

- Lynx



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