EU Digital Agenda For Europe:
Objectives Achievable With VDSL2 and Broadband Amplification

The European Union's revised Digital Agenda for Europe stipulates the following service objectives by the **year 2020**:

• **30 Mbps to all Europeans**

• **100 Mbps to 50% of European households**

Can the lofty objective of getting 100 Mbps service to 50% of households really be achieved in the next 6.5 years? This is an eventuality which even the European Commission itself has questioned recently, due to the high cost and logistical "red tape" associated with running fiber.

Even if their objectives for 100 Mbps service are achieved, the EC expects at minimum that half the continent will need served with 30+ Mbps services that can be provided at a more reasonable cost 6.5 years from now. And bear in mind when they set the objective to get 100 Mbps to 50% of residences, those of course are the 50% of residences that are most easily reached with fiber. And the EC has suggested that even making that possible will require getting multiple disparate countries regulatory bodies to act cooperatively to ease regulations … which is a lofty goal in itself.

So there is still a major role for VDSL2 and vectoring to play for a sizable portion of the network for many years to come.   What is the real broadband objective for most operators? According to Broadband Trends' survey of over 30 operators worldwide (released March 30 this year), the most common speeds being targeted for high speed broadband using VDSL2 with vectoring fall within the survey response range of 50-75 Mbps.

This objective is attainable thanks to Actelis Networks' VDSL2 Broadband Amplifier (VBA). Without the VBA, getting close enough to customers to offer 50-75 Mbps with VDSL2 and vectoring requires an inefficient network build. But the Actelis VBA is a real "game changer" that enables serving more customers with higher speed services more cost effectively. Offering reliable performance, simple operations, and the ability to enhance reach and rate while extending the size of the digital serving area, the VBA reduces both the number of small DSLAMs required and backhaul requirements.

To learn more: Actelis BBA, Residential Broadband Solutions

High Performance Broadband over Copper