



In May 2009 Nortel, in collaboration with SURFnet, conducted successful long haul 100G trials between Amsterdam and Hamburg. These trials proved:

- ✓ 100Gb/s circuit configuration operating over 1267km distance
- ✓ 400ps dispersion electronically compensated and instantaneous DGD (fluctuating single-digit ps)
- ✓ Performance of 100Gb/s within ITU 50GHz grid
- ✓ 40Gb/s and 100Gb/s on a network carrying 5 x 10 Gb/s live traffic
- ✓ 100Gb/s and 10Gb/s on adjacent channels on a 50GHz grid and on a 100GHz grid. No guard channels were required - B/W was maximized.
- ✓ 3 x 40Gb/s and 1 x 100Gb/s and 1x 10Gb/s in a group of 8 wavelengths on a 50GHz grid

**Product R&D on Nortel's 100G system has been completed;
Nortel's 100G becomes commercially available in 2009.**