

**The Challenge**

Verizon is a Tier 1 US converged network operator who needed to assess various alternative modes of operation in which they were considering alternative future technologies and architectures for delivery of packet and TDM traffic. Verizon had spent a significant amount of time and money unsuccessfully attempting to build an in-house solution around existing tools to undertake analysis of the cost and benefit of each option. Aria was approached to see whether this could be done with the iVNT network planning product.

**The Response**

Aria's iVNT product was used to model three different multi layer network configurations, each supporting eight different service models. These included SONET, IP, optical and MPLS technologies. Aria modelled these capabilities to selectively choose optimal service routing across each of these technology options, considering a range of input data including traffic matrices, cost options and network performance statistics. Unlike competitive solutions, Aria's product did not require any additional code changes to represent the customer's unique network models and business rules.

**The Result**

The solution presented Verizon with a comprehensive set of graphical and tabular reports providing information on the cost, the QoS of the present mode of operation and the two possible future modes of operations. This allowed them to quickly determine their best option for customer satisfaction and cost reduction. Verizon will now be implementing iVNT for a range of other business critical applications within their organisation.

**Contact Aria**

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- Contact [sales@aria-networks.com](mailto:sales@aria-networks.com) to discuss your needs