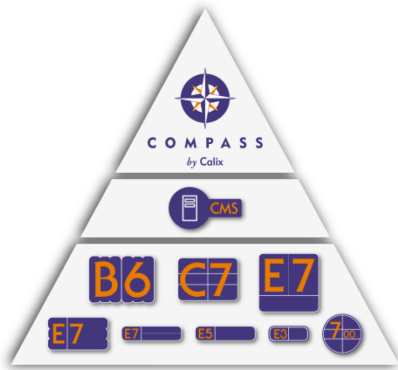


Network Engineering Service



D E S C R I P T I O N

Networks today are evolving, and communication service providers are under constant pressure to keep delivering competitive, high quality services.

The Network Engineering service offered by Calix enables service providers to accelerate their access network deployments and optimize their network performance – ensuring the best possible return on their network investments and enabling new revenues, higher customer satisfaction, and reduced operating costs.

B E N E F I T S

The Calix Network Engineering service allows communications service providers to leverage the world class team of Calix technical experts to assist them in **improving network performance and ensuring that networks can adequately scale for the growth of new services and bandwidth requirements.**

Benefits include:

- Ability to deploy new services as quickly as possible, maximizing potential revenue
- Ensuring high network availability and QoS to improve customer satisfaction
- Support for future network requirements (new services, bandwidth, and subscriber growth)
- Ensuring the lowest possible operating expenses
- Optimization of network performance
- Accurately documented network design and network elements

Network Engineering: Helping service providers accelerate and optimize their access network investments

C O M P O N E N T S

Calix Network Engineering is flexible enough to meet virtually any service provider requirement, and **it scales from a simple node insertion all the way to complete network re-engineering.**

Typical deliverables include:

- Complete network audit with documented results
- Documented customer requirements and assumptions
- Detailed configuration data for all network elements
- Complete IP addressing scheme
- Design for Layers 1-3
- Equipment list
- System installation and equipment requirements
- Network diagrams
- Card placement information
- Protection scheme information

Upon completion of the service, Calix generates a formal Network Specification Book. During a follow-up conference call, Calix engineers review this document with the service provider, discussing engineering requirements and potential next steps.