

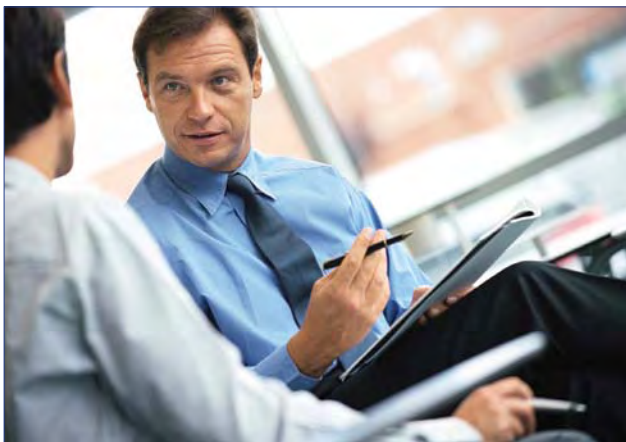
Network Architecture and Design Services

Leverage Tellabs' experience and expertise to plan for optimal network performance and maximum ROI at all stages of your network lifecycle

Overview

Network infrastructure represents a major part of the capital expense of an emerging technology rollout. Ensuring that the infrastructure plan is designed to be cost effective, robust, and flexible in meeting future needs is critical to achieving optimal return on investment.

Tellabs' expert architecture and design team will help you meet these objectives. Our approach utilizes proven tools and methodologies that are founded on extensive technical expertise and significant real-world deployment experience. By partnering with Tellabs, you are able to plan for optimal network performance at all stages of your network lifecycle from pre-deployment and new service introduction to ongoing expansion.



Tellabs has significant, real-world experience in delivering lifecycle solutions from planning and deployment to ongoing operation.

Tellabs Architecture and Design Services Portfolio

Network Architecture Services

- Detailed project plan
- Network topology, traffic and capacity patterns
- Network modeling
- High-level network design
- Management reporting packages

Network Design Services

- Engineering Design Package
- System configurations and site-level documentation of configuration parameters
- System installation requirements
- System integration requirements

Achieve Your Objectives

Leverage Tellabs' experience to efficiently and effectively plan your emerging technology solution. Our team of experts will help to ensure that your objectives are achieved:

- *Minimize cost of ownership* — Maximize returns with minimal investments
- *Accelerate time-to-market* — Bypass the learning curve and speed up your ability to generate revenue
- *Sustain competitive advantage* — Ensure a cost-effective foundation for daily operations that delivers superior performance and intelligent growth

Network Architecture

Today's emerging technologies are significantly different from last-generation networks and involve far more interactions between different parts of the system. Therefore, the network architecture phase of your deployment requires an experienced, holistic approach to network design. The design of radio, transmission, core network and applications must be approached in an integrated way for effective results.

Tellabs' network architecture team combines theoretical design knowledge with practical implementation experience to provide a high-level network design and a plan for the physical implementation of the network. Leveraging experience in next-generation network design, Tellabs works interactively with your team to create an effective network design and recommend industry best practices to ensure a secure, scalable, reliable, and resilient network infrastructure. Experienced senior consulting engineers analyze and assess network status to identify system performance, security, and application requirements, as well as Key Performance Indicators (KPIs) and other elements necessary to build a solid foundation for the network implementation.

Tellabs Network Architecture Services includes:

- Detailed project plan
- Clear and comprehensive picture of network topology and traffic and capacity patterns
- End-to-end IP network modeling and design
- Network management considerations
- High-level network design including overall topology, network diagrams, and multi-vendor integration including project recommendations
- Management reporting packages

Tellabs Network Architecture Services are focused on directly impacting your bottom line:

- *Accelerate time-to-market* — With extensive knowledge in Tellabs and other vendor equipment, Tellabs' architecture team has the experience and expertise necessary to quickly and effectively transform your vision into reality
- *Maximize resource utilization* — Our experts will develop an architecture that will ensure optimal use and management of your network resources
- *Improve return on investment* — Optimized network architectures combined with expert engineering allow faster deployments in order to maximize profits from investments



Tellabs combines theoretical design knowledge with practical implementation experience to ensure a secure, scalable, reliable, and resilient network

Network Design

Tellabs' experienced engineering staff, combined with world-class tools and processes, offers end-to-end design expertise and helps to eliminate costly errors and redesigns. Utilizing the high-level design produced in the Network Architecture Service, Tellabs senior engineers develop a complete, implementation-ready engineering design package documenting the configuration parameters for Tellabs equipment at specific sites. By partnering with Tellabs for your detailed network design, you are able to take advantage of our expert resources and produce a comprehensive design solution that achieves your objectives while utilizing knowledge from past implementations and industry best practices.

Our approach includes:

- Engineering Design Package containing:
 - Equipment layout and Layer 1 connections
 - Detailed configuration information
 - Naming conventions (site names, LSPs, circuits)
 - IP addressing for all regional routes
 - Layer 2 detailed design
 - Layer 3 detailed design
- Node configuration text files (running configurations)
- System installation requirements
- System integration requirements
- Detailed equipment lists and naming conventions
- Detailed Network Management System (NMS) information
- Protocol lists and their application to the design
- Progress reports and project documentation

Tellabs Network Design Services are focused on directly impacting your bottom line:

- *Improve Quality of Service (QoS)* — Help you meet service-level agreements, achieve high performance levels with a well-configured network design, and take full advantage of Tellabs equipment features
- *Reduce implementation costs* — Free up resources, reduce cost of maintaining in-house expertise, and eliminate the need to hire expertise in multiple protocols and vendor equipment
- *Simplify ongoing operation* — Provide your operations team with the detailed documentation and tools they need to manage site-level configurations quickly and efficiently

Ordering and Availability

Tellabs Network Architecture and Design Services can be customized to your specific requirements and are available to all wireless carriers across the globe. For further information on these services, please consult your local Tellabs account manager or regional sales office.

Making Your Vision a Reality

There is no doubt that next-generation technologies will allow new and exciting services that bring significant opportunities for revenue generation. However, deployment of this next evolution requires major investments from service operators who are already under intense pressures to reduce operating expenses and improve service quality.

Tellabs Architecture and Design Services team will help to ensure that your infrastructure plan is designed to be cost effective, robust, and flexible in meeting future needs — keeping you at the cutting edge of performance and reliability while ensuring minimal cost. Tellabs proven track record of building carrier-class networks and superior customer focus is the first step to ensuring that your vision becomes a reality.

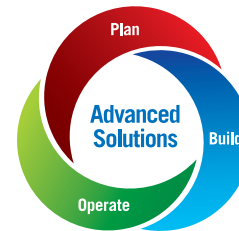
Tellabs Global Services

Tellabs Global Services increases service provider profits, lowers costs and improves network quality with innovative, flexible services throughout the network lifecycle. With a direct presence in the Asia Pacific; Europe, Middle East and Africa; Latin America; and North America, Tellabs delivers over 30 years of experience planning, building and operating advanced network solutions for service providers around the world.

About Tellabs

Tellabs advances telecommunications networks to meet the evolving needs of users. Solutions from Tellabs enable service providers to deliver high-quality voice, video and data services over wireline and wireless networks around the world. Ranked among the *BusinessWeek* InfoTech100, Tellabs (NASDAQ: TLAB) is part of the NASDAQ-100 Index, NASDAQ Global Select Market, Ocean Tomo 300™ Patent Index and the S&P 500.

www.tellabs.com



The Tellabs integrated services solution is designed to deliver comprehensive lifecycle support as you Plan, Build and Operate your network.

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