



Job Description	
Job Title	Director Network Design and Architecture
Business	Global Business
Function	NO&C
Sub Function	Network Planning & Engineering
Position Reporting to (Role)	Head- Network Planning & Engineering
Location	DAKC , India

Role Summary

The role is responsible for network design and technology innovation & Layer 0 and 1 architecture development of RGCOR network.

Responsibilities include:

1. Leading and managing the staff in preparation of high level and detailed network design and expansion plans for submarine, DWDM, SDH, synchronization topologies across the RGCOR network domain.
2. Developing and maintaining the future architecture roadmap for the network based on service development and demand to support existing and evolving service mix to Reliance Globalcom customers.
3. Developing plans to grow the network to meet evolving service requirements, working closely with Sales to understand sales/services trends.
4. Support strategic analysis and forward view of technology evolution and its impact on RGCOR network.

The candidate shall validate and engineer / re-engineer solutions designed by sales engineering support and other technical support organizations ensuring adherence to standardization of any refinement and enhancements deployed on RGCOR network infrastructure and ensure the network capability meets engineering, product and operational requirements.

He will also continually look to tighter integration of legacy infrastructure identify network optimization areas and lead the related design efforts. Additionally, the Dir of Network Design and Architecture will lead the enhancement and consolidation of network infrastructure driving improvement in performance, scalability, reliability, cost reduction while supporting present as well as future services.

Duties and Responsibilities

The candidate shall be the authority for high-level and detailed network design and the layer 0 and layer 1 network architectural plan

In the role as the network architect, the Director is responsible for:

1. Driving and leading the development and maintenance of the a layer 0 and 1 network architecture roadmap as well as evaluation of new technologies and vendor offerings.
2. Leading the efforts to identify key opportunities for integration and enhancements to enable new products and services on the network.
3. Leading and managing lab and field testing and evaluation of new technologies and equipment for interoperability, performance, stability, and scalability, test new services, and generate structured documentation.

In the roles of network design, the Director will:

1. Prepare and validate high level design package for network expansion and change in order to support Capex approval and project / task deployments.
2. I work closely with key sales to understand sales /service trends and generate 1 year /3 year plan to grow network to meet evolving service requirements.
3. Validate and provide design support for Customer Solutions (CS) and RFPs.

4. Prepare the Technical Specification Documents (TSD) required for any new product launch.
5. Provide engineering and re-engineer solutions designed support and, as needed, deployment support to the capacity planners, sales engineering and other technical support organizations.
6. Drive and lead the network integration design efforts for layers 0 and 1.
7. Provide escalation support to network operations on design aspects and SLA support.
8. Enable services across partner NNIs and other SBUs as necessary.

General duties and responsibilities include:

1. Supporting the CoS/QoS and service integration of legacy infrastructure with other SBUs, acquisitions, and partner networks. Included are protocol integration to enable seamless services with traffic-engineering across integrated network, consolidation and integration of POP/backhaul/NNIs, testing new capabilities and services, standardization of equipment configurations and templates, OSS/BSS integration support and enhancements, and network optimization for improved reliability, performance, scalability, and cost reduction.
2. Development and maintenance of network standards and standardize both internal and cross-functional including but not limited to standardization of technical specifications, documentation, deployment techniques.
3. Lead a team Network Engineers and SMEs and providing support to other aspects of engineering and the worldwide network operations organization

Key Performance Indicators

1. Network performance (Service Uptime/MTTR/MTBF, SLAs)
2. New products / services tested and deployed, and acceptance in various markets
3. Network capability enhancements, consolidation of POPs/equipment etc
4. Network expansion and coverage (POPs, Bandwidth, Partners/NNIs)
5. Cost of delivering services (cost / mbps, cost / port), other Opex parameters,
6. Accuracy, timeliness and quality of designs, proposals, documentation, project implementations and reporting
7. Design reviews and design standardization
8. Network audit with Ops
9. Cost optimized designs
10. Handling network vulnerability programs

Contact with Others

Internal	Key interfaces is all of Engineering, Operations, Product, Solutions /Pre-sales and Commercials at all levels up to and including CEO and President
External	Equipment vendors, access partners, test/certification agencies and others as necessary normally up to and including CTO and also occasionally up to and including CEO

Qualification & Experience

Educational / Academic Qualification	Essential:	Bachelor's Degree in Engineering related to communications or IT
	Desirable:	Master's degree in Engineering



Professional Certifications / Additional Qualification	Essential:	CCIE, JNCIE or equivalent certifications from network layer 0 and 1 hardware vendors and service providers
	Desirable:	Project Management certification
Experience(Min. years)	<ol style="list-style-type: none"> 1. At least 16 years relevant experience with telecom carrier or major systems integrator providing design solutions or managing global network infrastructure. 2. At least 10 years directly related experience in layer 0 and 1 network design. 3. At least 5 years leading as a Manager, layer 0 and 1 network design departments or organizations. 4. At least 2 years leading a service provider in the layer 0 and 1 network architecture planning and execution 	
Other Criteria(If not addressed above)	Some understanding of Layer 2 and Layer 3 technologies, hardware, applications and services.	

Candidate Specification:

A technical leader and manager of superior engineering acumen with extensive hands-on experience in the service provider environment in planning and design of layer 0 and 1 network infrastructure. And a leader with a vision versed in leading the development of an overall network architecture plan that is in support to the companies current and future business directions and needs. A network visionary with a down-to-earth means of providing the revenue generating stable core network engine.

The Director is self motivated with demonstrated maturity and ability to lead from the front. H/she be directly leading a team of energetic and capable network engineers and subject matter experts spread globally, and will support dynamic and diverse operations team and driven product developers on a worldwide basis.

Technical/Functional Skills: ("E" - Essential and "D" - Desirable)

- Essential:*
1. Significant understanding and experience in ITU-T specifications.
 2. Extensive hands-on and leadership experience in the service provider environment in planning and design of layer 0 and 1 network, service framework, to support the products portfolio and emergent services.
 3. Advanced understanding and engineering design experience on Alcatel, Infinera, Ciena , Xtera and others terrestrial and subsea carrier platforms, DWDM, SDH, Synchronization and 'network appliances' from leading vendors
 4. Excellent knowledge about submarine cable systems technology, DWDM, Metro WDM , SONET/SDH, Ethernet variants, ATM/FR and other transport technologies.
 5. Hands-on experience with provisioning templates, scripting, detailed designs, MOP, planned works, and technical project management.
 6. Excellent experience in and understanding of eTOM and the common OSS/BSS systems for,

Fault/Config/Performance/SLA management, usage measurements etc.

7. Excellent research skills, an out-of-box thinker, and visionary of services of the future over various network platforms.

Desired:

- 1. Good understanding of the Layers 2 and 3 domains including infrastructure, design, engineering, applications, hardware platforms, operating systems and and specific applications such as IPSec VPNs, VPLS routing policies, traffic engineering, analysis and optimization, cloud computing, VoIP, AND/CDN. AAM, etc*
- 2. Good understanding of wireless services, technology, architecture and design.*

Competency & Behavioral Skills: (“E” - Essential and “D” - Desirable)

Essential:

- 1. Superb communications skills, written and verbal English*
- 2. Superior attention to detail, 100% accuracy is required*
- 3. Superb leadership and managerial skills.*
- 4. Effective Team Player, ability to initiate and establish good relationships with internal partners Operations, Product/Marketing, Solutions Engineering / Pre-sales and other Engineering team members*
- 5. Demonstrated exceptional ability to proactively lead and manage all aspects of the role.*
- 6. Superior organizational skills and ability to prioritize daily activities*
- 7. Superb ability to:*
 - a. Ability to work under pressure,*
 - b. Be flexible and support at odd hours during crisis and important events*
 - c. Ability to adapt to multinational organization with diverse cultures,*
 - d. Ability to multitask*

To apply for this position, please send your updated CV to careers@relianceglobalcom.com with ‘Director Network Design and Architecture’ in the subject line.