

# Position Description

## Telecommunications Network Engineer

Digital, Strategy and Customer

Telecommunications Engineering

### Objectives

- Provide high level engineering and technical knowledge skills for the management, operation, augmentation and construction of IP carrier network infrastructure.
- Support the timely delivery of network services to achieve commercial and customer satisfaction objectives.
- Maintain effective and professional communications with internal and external stakeholders.

### Role Specific Accountabilities

- Provide high level engineering input and support of capital works, operations and maintenance relating to telecommunications data networking infrastructure utilising IP, Ethernet, and MPLS technologies at the core, aggregation, and access layers to support ISP and enterprise customer requirements.
- Design networks for high availability, utilising industry standard protocols, align to regulatory requirements and internal standards – developing network architecture documents, detail engineering design and other documentation for the augmentation and operation of the network.
- Provide high level support for complex IP, Ethernet and MPLS network incidents, troubleshooting issues across multiple vendor platforms and - Perform root cause analysis and deliver corrective/preventative action plans
- Plan, develop, implement, manage and monitor capital and operational projects and programs within the telecommunications data networking infrastructure space, and deliver on cost, time, scope and quality.
- Provide professional pre-sales support to 42-24 and the Telecommunications Customer and Operations Team in the development, refinement, documentation and presentation of solutions for customers.
- Integrate new, upgraded and augmented systems and technologies into the network and contribute to the planning and rollout of network expansions, upgrades, and migrations
- Develop and maintain work practices in compliance with safety, PSSR and other guidelines, regulations and standards. Engineer safety into all designs and projects.
- Any other duty or task as reasonably and lawfully directed by TasNetworks

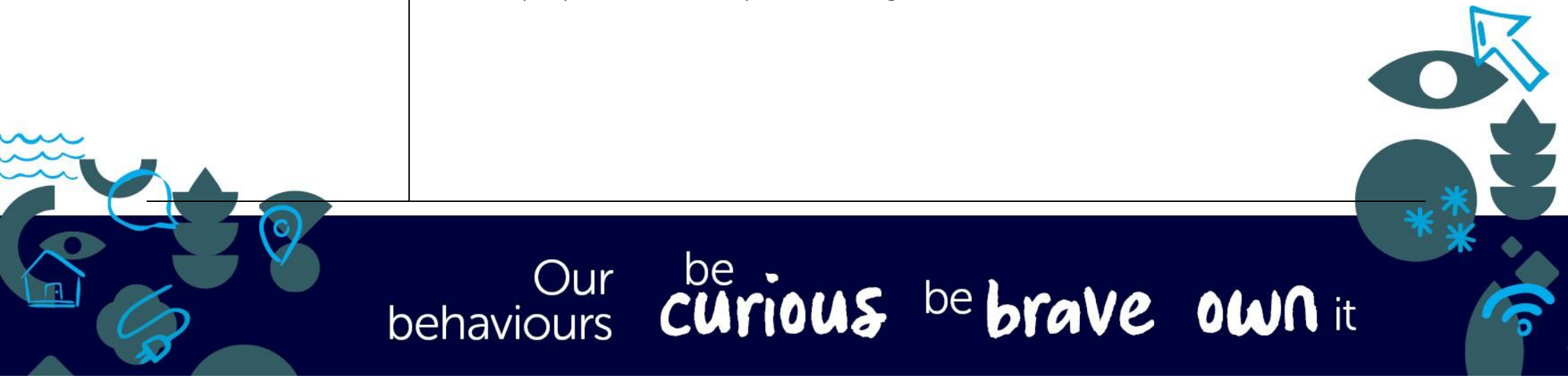


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## To be successful in this role

- Tertiary qualification in Engineering (Communication / Electronics / Computer Systems) or more than 5 years' experience in an Engineering or Network Engineering role specialising in the provision of networks in a utility, telecommunications or large ISP environment
- Strong engineering knowledge in networking protocols, Ethernet technologies, network architecture and traffic engineering, transport systems, monitoring and management systems, with a demonstrated hand on approach
- Knowledge of IP networking protocols: BGP, OSPF, IS-IS, MPLS, RSVP-TE, Segment Routing. Expertise in Ethernet technologies: VLANs, QinQ, Ethernet OAM, Carrier Ethernet services. Experience with network security: ACLs, firewalls, DDoS mitigation, IPSec/GRE tunnels. Knowledge of IP Addressing and planning including subnetting, CIDR, NAT, IPV4/IPV6 and IP Address Management.
- Experience performing acceptance testing, turn-up, and commissioning of new network elements. Ability to support integration of Layer 2 and Layer 3 services including VLANs, VPNs, QinQ, and Carrier Ethernet. Provide Tier 3 escalation support for complex IP/Ethernet network incidents
- Experience managing carrier-grade network deployments in multi-vendor, multi-technology, high reliability customer focused environment
- Ability to develop and tailor customer services, with demonstrated ability to support pre-sales, delivery and operations of customer services
- A knowledge of Cyber Security requirements as applies to telecommunications networks space and the ability to work with internal and external stakeholders to ensure secure and highly available services are maintained.
- Have knowledge of project management principles, the commercial and technical management of contracts, stakeholder management skills and a knowledge of statutory regulation and standards.
- Have strong communications skills (oral and written) with the ability to create high quality targeted documentation and communicate across a range of levels, knowledge and experiences.
- Demonstrate our Core Competencies, which are central to all positions at TasNetworks.
- Have a quality customer and delivery focus – delivering outcomes for our customers.

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## Compliance Requirements

- A satisfactory National Police Record check to confirm eligibility for the role
- A 'critical worker' suitability assessment for the purposes of the *Security of Critical Infrastructure Act 2018* (Cth) (or any successor to that Act) and the *Security of Critical Infrastructure (Critical Infrastructure Risk Management Program) Rules 2023* (Cth) (or any successor to those Rules), comprised of:
  - a National Security Assessment by ASIO;
  - a Criminal History Check by ACIC; and
  - a Right to Work in Australia check;

### Reports to:

Leader Telecommunications Engineering

### Direct reports:

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### Approved:

March 2026

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