

Gas network technician Job Description

A free job description template for the Gas industry

Company Name: _____

Location: _____

Employment Type: _____

Reports To: _____

Date: _____

DISCLAIMER

This gas network technician job description template is designed to reflect Australian workplace standards and gas industry practices at the time of publication. Confirm the applicable modern award for your business and ensure compliance with all relevant employment laws.

1. Position overview

A gas network technician commissions, tests, monitors and fault-finds on gas network assets — including regulators, telemetry and SCADA systems, pressure control equipment, cathodic protection and metering. The role combines advanced technical diagnostics with safety-critical compliance to keep the distribution and transmission network running reliably.

In Australia, gas network technicians are typically covered by the Gas Industry Award 2020 (MA000061). Senior technical roles usually sit around Level 6–7 on the award's classification ladder, reflecting the specialist knowledge, autonomy and mentoring responsibilities the position carries.

This template provides a foundation for creating clear, compliant job descriptions that attract qualified candidates while setting appropriate expectations for the role. Once hired, manage shift, on-call and weekend coverage efficiently with rostering software.

2. Key responsibilities

Commissioning and testing

Commissioning, testing and calibrating network assets such as regulators, pressure control equipment, metering and telemetry to ensure safe and reliable operation.

Monitoring and fault-finding

Monitoring network performance via SCADA and telemetry, diagnosing and resolving complex network issues and responding to faults across the distribution and transmission system.

Cathodic protection and metering

Inspecting, testing and maintaining cathodic protection systems and metering installations to protect asset integrity and ensure measurement accuracy.

Upgrades and new connections

Supporting network upgrades, augmentation projects and new connections, including planning, isolation and safe return-to-service procedures.

Mentoring and support

Mentoring operators and less experienced technicians, sharing technical knowledge and supporting the team during complex or high-pressure works.

Compliance and records

Following safety-critical procedures, maintaining accurate technical records and ensuring compliance with gas safety regulations and workplace health and safety requirements.

3. Skills and attributes

- Technical diagnostics: Advanced ability to fault-find, diagnose and resolve complex issues across regulators, telemetry, pressure control and metering assets.
- SCADA and telemetry: Confidence interpreting SCADA and telemetry data to monitor network performance and detect emerging faults early.
- Safety focus: Rigorous commitment to safety-critical procedures, isolation practices and gas safety regulations in a high-risk environment.
- Mentoring: Ability to coach and support operators and junior technicians while maintaining a collaborative team culture.
- Attention to detail: Accuracy in testing, calibration and record-keeping, with awareness of measurement and compliance standards.
- Reliability: Punctuality, flexibility for on-call and shift work, and dependable performance during network incidents.

4. Qualifications and requirements

The qualifications for gas network technician positions vary depending on the network and asset types involved. Some are mandatory, while others are preferred or desirable.

- Advanced technical or trade qualification (required) — Instrumentation, electrical, gas or related trade/technical qualification
- Relevant licences and site tickets (required) — Gas work, electrical or instrumentation licences and site access tickets appropriate to the role
- Driver's licence (required) — Current driver's licence for field-based work across network sites
- Working rights (required) — Eligibility to work in Australia
- SCADA / telemetry experience — Experience with SCADA, telemetry or network control systems is advantageous
- First aid certificate — Current first aid certification is desirable for field-based roles

5. Working conditions

- A mix of field work across network sites and control-room monitoring
- On-call and availability duty for network faults and emergencies
- Shift work including evenings, weekends and public holidays
- Mandatory use of personal protective equipment (PPE)
- Strict adherence to safety-critical isolation and gas safety procedures
- Travel between sites, sometimes in remote or outdoor conditions

6. Award information

Gas industry award 2020

Most gas network technician positions in Australia are covered by the Gas Industry Award 2020 (MA000061). This modern award sets minimum pay rates, penalty rates, allowances and conditions for employees engaged in the gas distribution and transmission industry. View current Gas Award pay rates.

The award uses an eight-level classification ladder, ranging from around \$26.44 per hour at Level 1 up to \$36.89 per hour at Level 8. A gas network technician is a senior technical role that typically sits around Level 6–7, reflecting specialist knowledge and autonomy. Use award interpretation software to calculate pay accurately.

Penalty rates and availability duty

Under MA000061, casual employees receive a 25% loading. Penalty rates apply for Saturdays (150%), Sundays (200%) and public holidays (250%), with afternoon (115%) and night (130%) loadings for shift work and overtime paid at 150% and 200%. An availability duty allowance of \$290.97 per week applies where technicians are rostered on-call.

Because on-call, shift and weekend work are common for network technicians, confirm the correct classification level and penalty entitlements for your business. Some employers operate under an enterprise agreement that may vary these conditions.

7. Frequently asked questions

About the role

Q: What does a gas network technician do?

A gas network technician commissions, tests, monitors and fault-finds on gas network assets such as regulators, telemetry and SCADA systems, pressure control equipment, cathodic protection and metering. They diagnose and resolve complex network issues, support upgrades and new connections, mentor operators, and maintain accurate technical and compliance records across the distribution and transmission network.

Q: What award covers gas network technicians in Australia?

Most gas network technician positions are covered by the Gas Industry Award 2020 (MA000061). Some larger networks operate under an enterprise agreement that may vary pay and conditions. Always check which instrument applies to your specific business.

Q: What classification level should I use for a gas network technician?

Gas network technician is a senior technical role that typically sits around Level 6–7 on the Gas Industry Award's eight-level classification ladder, reflecting specialist knowledge, autonomy and mentoring responsibilities. Rates range from around \$26.44 per hour at Level 1 to \$36.89 per hour at Level 8. See our Gas Award pay rates guide for current rates at each level.

Q: Do I need to include pay rates in a job description?

It's not legally required, but including indicative pay rates can attract more qualified applicants and set clear expectations. You can reference the applicable award rate or use phrases like 'Award rates plus penalties and allowances' or 'Competitive rate based on experience.' Check the current Gas Award rates for guidance.

Qualifications

Q: What qualifications does a gas network technician need?

Gas network technicians generally hold an advanced technical or trade qualification in instrumentation, electrical or gas work, along with relevant licences and site tickets and a current driver's licence. Working rights in Australia are mandatory. Experience with SCADA, telemetry and cathodic protection is highly valued for senior roles.

Q: What licences and tickets should I require vs prefer?

Mandatory requirements usually include the relevant gas, electrical or instrumentation licences, site access tickets, a driver's licence and working rights in Australia. Preferred qualifications may include SCADA or telemetry experience, cathodic protection competencies and a current first aid certificate. Match the mandatory list to the specific assets and sites the technician will work on.

Q: Do gas network technicians need SCADA experience?

SCADA and telemetry experience is not always mandatory, but it is highly advantageous for a network technician role because monitoring network performance and diagnosing faults relies heavily on control-system data. Many employers list it as a preferred qualification or provide system-specific training after hiring.

Q: Can I hire a gas network technician without network experience?

It is possible for candidates with strong instrumentation or electrical trade backgrounds to transition into network roles, but the senior technical nature of the position usually calls for relevant gas network experience. If hiring from an adjacent trade, plan for structured mentoring, competency sign-offs and a clear progression path through the award levels.

Employment

Q: Should I hire casual or permanent gas network technicians?

This depends on your workload and coverage needs. Permanent staff provide consistency, retention and continuity for safety-critical work, which suits most network technician roles. Casual technicians offer flexibility but attract a 25% casual loading under the Gas Industry Award. Many businesses favour permanent employment for senior technical positions and use casuals or contractors for project peaks.

Q: What penalty rates apply to gas network technicians?

Under the Gas Industry Award (MA000061), penalty rates apply for Saturdays (150%), Sundays (200%) and public holidays (250%), with afternoon (115%) and night (130%) shift loadings and overtime paid at 150% and 200%. Casual employees receive a 25% loading. Use award interpretation software to calculate rates accurately.

Q: What is the availability duty allowance?

The Gas Industry Award includes an availability duty allowance of \$290.97 per week for employees rostered to be on-call. Because network faults can occur at any time, on-call arrangements are common for technicians. Confirm the current allowance and how it interacts with any callout and overtime entitlements for your business.

Q: What should I include in a gas network technician employment contract?

Key elements include: position title and classification level, employment type (casual/part-time/full-time), hourly rate or salary, applicable award, on-call and availability duty arrangements, reporting structure, main duties, work locations and required licences. Use our digital employment contracts to simplify this process.

Rostering

Q: How do I roster gas network technicians for on-call coverage?

On-call and availability duty require careful planning to balance coverage, fatigue and cost. Set clear on-call rotations, track availability duty entitlements and give technicians visibility of upcoming shifts. Our how-to guide on rostering gas staff and rostering software help you manage this efficiently.

Q: How do I manage shift and weekend work for technicians?

Network monitoring and fault response often require shift, evening and weekend coverage. Build rotating rosters that spread penalty-rate shifts fairly, respect adequate breaks between shifts and comply with the Gas Industry Award. Rostering tools make it easier to plan rotations and control labour costs.

Q: How do I control labour costs with penalty and overtime rates?

Because Saturday, Sunday, public holiday, shift and overtime rates add up quickly, model shift costs before publishing rosters. Use the shift cost calculator and overtime and penalty rate calculator to estimate costs, and apply award interpretation to keep pay accurate.

Q: How do I manage technician availability for rostering?

Collect availability preferences during onboarding and update them regularly, especially for on-call rotations. Use rostering software to track when each technician can work and to record licences and competencies that affect who can be rostered to specific tasks. This simplifies roster creation and reduces last-minute gaps.