

<b>Title</b>	<b>Perform a walking leakage survey in a gas network</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>4</b>

<b>Purpose</b>	People credited with this unit standard are able to demonstrate knowledge of documentation, company procedures, hazards and equipment for walking gas leakage surveys; perform a walking gas leakage survey; and complete reporting and documentation.
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<b>Classification</b>	Gas Industry > Gas Network Operations
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 This unit standard is intended for, but is not limited to, workplace assessment. The range statements relate to enterprise specific equipment, procedures, and processes.
- 2 Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable manufacturer's specifications, company procedures and legislative requirements. This includes the knowledge and use of suitable tools and equipment.
- 3 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the current version of:  
Health and Safety at Work Act 2015;  
Resource Management Act 1991;  
*AS/NZS 4645.1:2018 Gas distribution networks – Network management*;  
*AS/NZS 4645.2:2018 Gas distribution networks – Steel pipe systems*;  
*AS/NZS 4645.3:2018 Gas distribution networks – Plastics pipe systems*;  
*AS/NZS 2885.1-2018 Pipelines - Gas and liquid petroleum – Design and construction*;  
*AS 2885.3-2012 Pipelines - Gas and liquid petroleum Operation and maintenance*;  
and any subsequent amendments and replacements.
- 4 References  
Australian standards (AS) may be found at [www.standards.org.au](http://www.standards.org.au);  
Australian/New Zealand standards (AS/NZS) may be found at [www.standards.govt.nz](http://www.standards.govt.nz).
- 5 Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

**6 Definition**

*Company procedures* mean the documented methods for performing work activities, and include health and safety, operational, environmental, and quality management requirements. They may refer to legislation, regulations, guidelines, standard operating procedures, manuals, codes of practice, or policy statements.

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**Outcomes and performance criteria**
**Outcome 1**

Demonstrate knowledge of documentation, company procedures, hazards and equipment for walking gas leakage surveys.

**Performance criteria**

- 1.1 Documentation and company procedures for walking gas leakage surveys are located and interpreted.
- Range may include – company standard, safe work procedure, operating procedure, maintenance procedure, work instruction, equipment operating manual, job hazard analysis, job risk assessment.
- 1.2 Documentation and instructions for a specified job are confirmed.
- Range may include – job card, defined route, network plans, consents, easement conditions, frequency of survey.
- 1.3 Potential environmental and safety hazards and controls are described.
- Range hazards may include – traffic, accessibility, ground conditions, excavations, gas escapes, general public, weather conditions; controls may include – personal protective equipment, safe access and egress, temporary traffic control, work schedule; evidence of four required.
- 1.4 Types and function of equipment and materials for a walking leakage survey are described.
- Range may include – gas detector, marking equipment, mark-out paint or chalk, recording equipment.
- 1.5 Potential faults associated with incorrect application and operation of equipment and procedures are described.

**Outcome 2**

Perform a walking gas leakage survey.

**Performance criteria**

2.1 Walking gas leakage survey areas are identified.

Range may include – gas network type, pipe material, pressure, route.

2.2 Hazards associated with performing the survey are controlled.

2.3 Readings are taken along a defined route.

Range location, classification, marking, escalation.

**Outcome 3**

Complete reporting and documentation.

**Performance criteria**

3.1 Records and documents are completed and processed, and information is communicated to internal and external parties as required.

Range may include – job card, incident report, survey completion notice, special conditions, additional work.

<b>Replacement information</b>	This unit standard and unit standard 32331 replaced unit standard 30368.
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<b>Planned review date</b>	31 December 2025
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	27 May 2021	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	0014
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

**Comments on this unit standard**

Please contact MITO New Zealand Incorporated [info@mito.org.nz](mailto:info@mito.org.nz) if you wish to suggest changes to the content of this unit standard.