

<b>Title</b>	<b>Use and maintain electronic mapping information for a gas network</b>		
<b>Level</b>	<b>3</b>	<b>Credits</b>	<b>6</b>

<b>Purpose</b>	People credited with this unit standard are able to, in a gas network: demonstrate knowledge of electronic mapping systems; use and maintain electronic mapping systems; and enter data for electronic mapping.
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<b>Classification</b>	Gas Industry > Gas Network Planning and Development
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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.
- 3 Performance of the outcomes of this unit standard must comply with the following:  
Health and Safety at Work Act 2015;  
AS/NZS 4645.1:2008 *Gas distribution networks – Network management*;  
AS/NZS 4645.2:2008 *Gas distribution networks – Steel pipe systems*;  
AS/NZS 4645.3:2008 *Gas distribution networks – Plastic pipe systems*;  
AS 2885.1-2012 *Pipelines – Gas and liquid petroleum Design and construction*.
- 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 Definitions  
*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 electronic mapping systems in a gas network.

#### Performance criteria

- 1.1 Map and plans are accessed and interpreted.
- Range cadastral, piping and instrumentation drawings, local body and other services plans.
- 1.2 The use of maps and plans in a gas network is explained.
- 1.3 Storage and access systems for different types of maps and plans are identified.
- Range computer-aided drawing (CAD) systems, electronic data base, scanned drawings, digitised drawings.
- 1.4 Electronic sources and formats of maps and plans relevant to a gas network are identified and explained.

### Outcome 2

Use and maintain electronic mapping systems in a gas network.

#### Performance criteria

- 2.1 New maps or plans are identified and stored.
- Range electronic, paper.
- 2.2 Relevant data from the map or plan are summarised for reference purposes.
- Range key points, issuer, issue date, expiry date, review date.
- 2.3 The currency of maps and plans in storage is monitored.
- 2.4 Maps and plans are issued on request and their issue is recorded.
- 2.5 Changes to maps and plans are recorded and reported.

### Outcome 3

Enter data for electronic mapping in a gas network.

#### Performance criteria

- 3.1 Data is entered, edited, and calculated.

3.2 File management techniques are demonstrated on electronic mapping software.

Range create, name, save, copy, rename, abandon changes, locate directory (folder), display directory (folder) contents, locate file.

3.3 Data integrity practices are demonstrated.

Range may include – comparison with original information sources, audited formulae, check totals.

<b>Planned review date</b>	31 December 2022
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#### Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	19 June 1997	31 December 2018
Revision	2	3 August 2000	31 December 2018
Review	3	22 October 2002	31 December 2018
Rollover and Revision	4	20 November 2006	31 December 2018
Review	5	17 August 2017	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.