

<b>Title</b>	<b>Maintain and service control valves in accordance with industry requirements</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>10</b>

<b>Purpose</b>	People credited with this unit standard are able to: maintain and service control valves in accordance with industry requirements.
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<b>Classification</b>	Industrial Measurement and Control > Industrial Measurement and Control - Maintenance
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<b>Available grade</b>	Achieved
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### Guidance Information

- 1 This unit standard has been developed for learning and assessment in a workplace environment.
- 2 Can include self actuating valves.  
For valve actuators and positioners refer to Unit 2640, *Maintain control valve actuators and positioners*.
- 3 References  
ANSI/ISA-75.05.01-2000 (R2005) *Control Valve Terminology*;  
Electricity Act 1992;  
Electricity (Safety) Regulations 2010;  
Health and Safety at Work Act 2015 and associated regulations;  
ISSN 0114-0663, *New Zealand Electrical Codes of Practice*, available from Worksafe, <https://worksafe.govt.nz/>;  
and all subsequent amendments and replacements.
- 4 Definitions  
*Industry requirements* – includes all asset owner requirements, manufacturers' specifications; and enterprise requirements which cover the documented workplace policies, procedures, specifications, business requirements; and quality management requirements relevant to the workplace in which the assessment is carried out.  
*Maintain* – planned activity during normal operation, to conserve or keep an item or piece of equipment in a state of repair and to ensure that this is done in a sustainable way.  
*PPE* – Personal Protection Equipment – that is appropriate to any job being undertaken and can include overalls, safety glasses, gloves, face masks, safety boots, ear muffs etc.  
*Service* – planned activity during normal operation, that involves, inspection, cleaning, testing, adjusting or making minor repairs to a piece of equipment to ensure that it works properly.

- 5 Recommended skills and knowledge: Unit 2638, *Demonstrate knowledge of control valves, actuators, and positioners.*

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## Outcomes and performance criteria

### Outcome 1

Maintain and service control valves in accordance with industry requirements.

#### Performance criteria

- 1.1 Locate, interpret, and apply technical information for servicing equipment.
- 1.2 Identify and explain types and causes of control valve damage.
- Range may include but is not limited to – seat damage, stem, damage, gland damage, erosion, corrosion, cavitation, flashing.
- 1.3 Explain and follow safe work procedures.
- Range may include but is not limited to – isolation, chemical (oxygen/oil), pressure, process liquid, process gas, PPE.
- 1.4 Complete servicing of control valves and verify performance to ensure continued operation.
- Range may include but is not limited to – tools, materials, parts, techniques (including testing), specifications; valve types – single seated globe, double seated globe, butterfly, ball, eccentric rotary plug, self-actuating; evidence of two valve types required.
- 1.5 Produce service reports in accordance with industry requirements.

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<b>Planned review date</b>	31 December 2021
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**Status information and last date for assessment for superseded versions**

Process	Version	Date	Last Date for Assessment
Registration	1	31 October 1995	31 December 2013
Revision	2	30 October 1997	31 December 2013
Revision	3	3 April 2001	31 December 2013
Review	4	22 June 2001	31 December 2013
Review	5	19 May 2008	31 December 2019
Review	6	21 November 2013	N/A
Rollover and Revision	7	28 June 2018	N/A

**Consent and Moderation Requirements (CMR) reference**

0003

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

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**Comments on this unit standard**

Please contact The Skills Organisation [reviewcomments@skills.org.nz](mailto:reviewcomments@skills.org.nz) if you wish to suggest changes to the content of this unit standard.