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| Title | Fill fire service breathing apparatus cylinders | | |
| Level | 4 | Credits | 3 |

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| Purpose | People credited with this unit standard are able to: <ul style="list-style-type: none"> - demonstrate knowledge of the types of fire service breathing apparatus (BA) cylinders; - demonstrate knowledge of a fire service BA cylinder filling station; and - use a BA cylinder filling station. |
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| Classification | Fire and Rescue Services > Fire and Rescue Services - Generic Fire Fighting |
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| Available grade | Achieved |
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Guidance Information

- 1 Compliance with the fire and rescue service provider's Health and Safety policy and procedures is mandatory.
- 2 Definition
Fire and emergency agency's requirements refer to policies, procedures and supporting documentation on safety and operations set down by each fire and emergency agency employer or host organisation.
- 3 Assessment against outcome 3 must be in accordance with the fire and emergency agency's requirements.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the types of fire service breathing apparatus (BA) cylinders.

Range steel, alloy, composite.

Performance criteria

- 1.1 Cylinders used by the fire and rescue service provider are identified.
- 1.2 Cylinder marking information is located on each of the cylinders and described in terms of cylinder identification number, test station mark, working pressure, and test date.

- 1.3 The recommended frequency of testing and working pressure of each type of BA cylinder is given in accordance with manufacturer's specifications.

Outcome 2

Demonstrate knowledge of a fire service BA cylinder filling station.

Performance criteria

- 2.1 The components of the BA cylinder filling station are identified and explained in terms of function and operation.

Range may include but is not limited to – filtration unit, cooler, compressor, storage cylinders, filling panel, water bath.

- 2.2 The safety requirements of the BA cylinder filling station are explained.

Range personal protective equipment, start-up procedures, emergency shut-down procedures, access to filling stations.

- 2.3 The principles of the cascade system are explained.

Outcome 3

Use a BA cylinder filling station.

Performance criteria

- 3.1 Pre-filling checks are performed.

Range pre-filling documentation, filling station instructions, air purity certificate, cylinder checks.

- 3.2 Fire service BA cylinders are filled.

Range a minimum of two cylinders.

- 3.3 BA cylinder recoding documentation is completed.

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| Planned review date | 31 December 2023 |
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Status information and last date for assessment for superseded versions

| Process | Version | Date | Last Date for Assessment |
|-----------------------|---------|-------------------|--------------------------|
| Registration | 1 | 20 November 2009 | N/A |
| Revision and Rollover | 2 | 30 September 2021 | N/A |

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| Consent and Moderation Requirements (CMR) reference | 0039 |
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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 The Skills Organisation reviewcomments@skills.org.nz if you wish to suggest changes to the content of this unit standard.