

Draw patterns and construct sheet metal products for plumbing or gasfitting requirements

Level 4

Credits 5

Purpose This unit standard is for people who work, or intend to work, in the plumbing or gasfitting industries.

People credited with this unit standard are able to determine requirements for sheet metal plumbing or gasfitting items; draw patterns for sheet metal plumbing or gasfitting requirements; construct products from patterns for sheet metal plumbing or gasfitting requirements; and work safely and with care.

Subfield Plumbing, Gasfitting and Drainlaying

Domain Core Plumbing, Gasfitting, and Drainlaying

Status Registered

Status date 25 October 2007

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Planned review date 31 December 2012

Entry information Open.

Replacement information This unit standard replaced unit standard 2131 and unit standard 2158.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) The Skills Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0008

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

Special notes

- 1 Legislation relevant to this unit standard includes but is not limited to:
Health and Safety in Employment Act 1992;
Building Act 2004.
Any legislation superseding the above will apply, pending review of this unit standard.

- 2 Range
type of drawing – parallel line development, triangulation, radial line development;
products – pipe angles, cowl, rectangular to square, segmental bends, square to round.
- 3 Definition
Other services refers to existing installed services.

Elements and performance criteria

Element 1

Determine requirements for sheet metal plumbing or gasfitting items.

Performance criteria

- 1.1 Requirements for sheet metal plumbing or gasfitting items are determined in accordance with owner and/or users' requirements.

Element 2

Draw patterns for sheet metal plumbing or gasfitting requirements.

Range parallel and radial line, triangulation.

Performance criteria

- 2.1 Patterns drawn for sheet metal plumbing or gasfitting items are full-size, accurate, and in accordance with the intended function and applications, and owner and/or users' requirements.

Element 3

Construct products from patterns for sheet metal plumbing or gasfitting requirements.

Performance criteria

- 3.1 Sheet metal plumbing or gasfitting products are constructed in accordance with patterns and owner and/or users' requirements. Construction process includes soft solder.

Element 4

Work safely and with care.

Performance criteria

- 4.1 Practical activities are carried out avoiding harm to people and damage to property, other services, materials, tools, and equipment.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact The Skills Organisation info@skills.org.nz if you wish to suggest changes to the content of this unit standard.