

**Field      Engineering and Technology**

**Registration of *Fluid Power* unit standards**

<b>Subfield</b>	<b>Domain</b>	<b>ID</b>
Mechanical Engineering	Fluid Power - Hydraulics	33313
	Fluid Power - Pneumatics	33314

Hanga-Aro-Rau Manufacturing Engineering and Logistics Workforce Development Council has completed the registration of the unit standards listed above.

**Date new versions published**

**October 2023**

**Planned review date**

**December 2028**

**Summary**

A review of unit standards in the *Fluid Power - Hydraulics* and *Fluid Power - Pneumatics* domains was carried out in conjunction with the development of the New Zealand Certificate in Fluid Power Engineering Fundamentals (Level 3) [Ref: 4777] in March 2023. During the review, the two new unit standards listed above were developed with the support of industry to address a knowledge gap for trainees who are training and working in the fluid power industry.

**Main changes**

- Development of two new unit standards containing the learning outcomes required to meet current and future industry needs specific to fluid power.

**Detailed list of unit standards – classification, title, level, and credits**

All changes are in **bold**.

Engineering and Technology > Mechanical Engineering > Fluid Power - Hydraulics

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
33313	<b>Demonstrate knowledge of hydraulic systems principles and operation</b>	3	20	New

Engineering and Technology > Mechanical Engineering > Fluid Power - Pneumatics

<b>ID</b>	<b>Title</b>	<b>Level</b>	<b>Credit</b>	<b>Review Category</b>
33314	<b>Demonstrate knowledge of pneumatic systems principles and operation</b>	3	15	New