

National Certificate in Split System Air Conditioning (Level 3)

Level 3

Credits 53

This qualification has been **reviewed**. The last date to meet the requirements is 31 December 2020.

Transition Arrangements

This qualification has been reviewed and replaced by the New Zealand Certificate in Split System Heat Pump Installation (Level 3) [Ref: 2367].

The last date for entry into programmes leading to the replaced qualification is 31 December 2016.

Version 1 was republished to extend the last date for entry from 2015 to 2016.

For detailed information see [Review Summaries](#) on the NZQA website.

NZQF National Qualifications Registration Information

Process	Version	Date	Last Date for Assessment
Registration	1	June 2006	December 2009
Revision	2	January 2008	December 2020
Review	3	October 2014	December 2020
Republication	3	December 2015	December 2020

Standard Setting Body

Competenz
 PO Box 62 517
 Kalmia Street
 Auckland 1544
 Telephone 0800 526 1800
 Email qualifications@competenz.org.nz

National Certificate in Split System Air Conditioning (Level 3)

Level 3

Credits 53

Purpose

This qualification is for installers of split system (non-ducted) air conditioning in domestic and commercial situations. It combines the following knowledge and skills:

- principles and applications of split system air conditioning;
- competent installation of split system air conditioning;
- refrigerants and their effect on the ozone layer;
- worksite safety;
- first aid and cardio-pulmonary resuscitation;
- purge brazing of refrigeration piping; and
- use of handheld and power tools.

People who have achieved this qualification have demonstrated their ability to install split system air conditioning competently with minimal or no supervision.

All standards are compulsory.

Having achieved this qualification, trainees may advance to the National Certificate in Refrigeration and Air Conditioning (Level 4) [Ref: 0130] and the National Certificate in Refrigeration and Air Conditioning (Level 5) [Ref: 0720].

Special Notes

Connection of electrical equipment to the electricity supply requires the services of a licensed electrician and is not covered by this qualification.

Credit Range

Level 1 credits	1
Level 2 credits	12
Level 3 credits	40
Total	53

Requirements for Award of Qualification

- Compulsory standards

Award of NQF Qualifications

Credit gained for a standard may be used only once to meet the requirements of this qualification.

Unit standards and achievement standards that are equivalent in outcome are mutually exclusive for the purpose of award. The table of mutually exclusive standards is provided in section 7 of the New Zealand Qualifications Authority (NZQA) *Rules and Procedures* publications available at <http://www.nzqa.govt.nz/ncea/acrp/index.html>.

Reviewed standards that continue to recognise the same overall outcome are registered as new versions and retain their identification number (ID). Any version of a standard with the same ID may be used to meet qualification requirements that list the ID and/or that specify the past or current classification of the standard.

Detailed Requirements**Compulsory**

The following standards are required

Engineering and Technology > Mechanical Engineering > Engineering Core Skills

ID	Title	Level	Credit
2395	Select, use and care for, engineering hand tools	2	4
2396	Select, use and maintain portable hand held engineering power tools	2	4
21911	Demonstrate knowledge of safety on engineering worksites	2	1
21912	Apply safe working practices on an engineering worksite	2	2

Engineering and Technology > Mechanical Engineering > Refrigeration and Air Conditioning

ID	Title	Level	Credit
19666	Demonstrate knowledge of ozone and how it relates to the refrigeration and air conditioning industry	3	3
23959	Prepare and purge braze piping for refrigeration and air conditioning	3	4

Engineering and Technology > Mechanical Engineering > Split System Air Conditioning

ID	Title	Level	Credit
22441	Demonstrate knowledge of split system air conditioning principles and applications	3	5
22442	Install and commission split system air conditioning in a training environment	3	8
22443	Install and commission split system air-conditioning	3	20

Health > Health Studies > Core Health

ID	Title	Level	Credit
6401	Provide first aid	2	1
6402	Provide resuscitation level 2	1	1

Transition Arrangements

Version 2

Version 2 was issued in order to substitute the welding safety and brazing standards with a new standard written specifically for brazing of refrigeration piping.

Changes to structure and content

- Unit 2679, *Join metals using torch brazing and soldering* and Unit 21907, *Demonstrate and apply knowledge of safe welding procedures under supervision* were removed from the qualification.
- Unit 23959, *Prepare and purge braze piping for refrigeration and air conditioning* was added to the qualification.
- The credit value was consequently reduced from 58 to 53.

For detailed information see [Review Summaries](#) on the NZQA website.

All new trainees will be enrolled in version 2.

People currently working towards version 1 of this qualification may either complete version 1 or transfer to version 2. Last date for assessment of version 1 is 31 December 2009.

This qualification contains standards that replace earlier standards. For the purposes of this qualification, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
2824	21911, 21912
2679	23959

It is not intended that anyone be disadvantaged by this revision, and the above arrangements have been designed for a smooth transition. However, anyone who feels they have been disadvantaged may appeal to Competenz at the address below.

Previous version of the qualification

Version 1

Version 1 of the qualification contained standards that replaced earlier standards. For the purposes of this version, people who have gained credit for the expiring standards are exempt from the requirement to gain credit for the replacement standards – see table below.

Credit for	Exempt from
2824	21911, 21912
2670	21907

Other standard setting bodies whose standards are included in the qualification

NZQA

Certification

The certificate will display the logos of NZQA and Competenz.

Classification

This qualification is classified according to the NQF classification system and the New Zealand Standard Classification of Education (NZSCED) system as specified below

NQF Classification		NZSCED	
Code	Description	Code	Description
1993	Engineering and Technology > Mechanical Engineering > Split System Air Conditioning	031315	Engineering and Related Technologies > Electrical and Electronic Engineering and Technology > Refrigeration, Heating and Air Conditioning

Quality Management Systems

Providers and Industry Training Organisations must be accredited by a recognised Quality Assurance Body before they can register credits from assessment against standards. Accredited providers and Industry Training Organisations assessing against standards must engage with the moderation system that applies to those standards. Accreditation requirements and the moderation system are outlined in the associated Accreditation and Moderation Action Plan (AMAP) for each standard.

Prerequisite Diagram

