

FIELD ENGINEERING AND TECHNOLOGY**Review of *Electrical Engineering* qualification****National Certificate in Electrical Engineering (Level 5) [Ref: 0951]**

The ElectroTechnology Industry Training Organisation (ETITO) has completed the review of the above qualification.

New qualification

National Diploma in Electrical Engineering (Advanced Trade) (Level 5) with strands in Electrotechnology Specialisation, Electrical Installation, and Industrial Electrical Engineering [Ref: 1514]

Date new versions published**October 2009**

The next qualification review is planned to take place during 2014.

Summary of review and consultation process

Version 5 of the National Certificate in Electrical Engineering (Advanced Trade) (Level 5) with strands in Electrotechnology Specialisation, Electrical Installation, and Industrial Electrical Engineering [Ref: 0951], and the new National Diploma in Electrical Engineering (Advanced Trade) (Level 5) with strands in Electrotechnology Specialisation, Electrical Installation, and Industrial Electrical Engineering [Ref: 1514], were issued following the review of the electrical engineering standards by industry stakeholders, the Electrical Engineering Advisory Group, and ETITO.

The review was carried out as part of ETITO's scheduled review cycle, and feedback from industry had indicated that changes to the structure and content of the qualification to meet current industry needs were required.

Representatives from the electrical industry were invited to meetings, which took place during 2008, and a consultation group was formed from the respondents. Discussions by the group focused on the current industry requirements, feedback received since the last review, changes that had occurred since the last review that had impacted on training, and the current and future needs for the electrical industry.

Along with the title change of the certificate, which better explains the intention of the certificate, along with the development of three strands to better reflect industry training requirements, the industry saw the need for a diploma at level 5, which builds on the National Certificate in Electrical Engineering (Advanced Trade) (Level 5) with strands in Electrotechnology Specialisation, Electrical Installation, and Industrial Electrical Engineering [Ref: 0951]. The intention is to encourage practitioners to further develop their electrical, business, management, electrotechnology project management, and overall leadership knowledge and skills beyond the certificate requirements and have this recognised in a qualification.

Drafts of the updated certificate and the proposed diploma were circulated to the wider industry representatives for comment. The feedback was considered by the Consultation Group and represented in the new diploma and the new version of the certificate, which were endorsed by the electrical industry.

Main changes resulting from the review

National Certificate in Electrical Engineering (Level 5) [Ref: 0951]

National Certificate in Electrical Engineering (Advanced Trade) (Level 5) with strands in Electrotechnology Specialisation, Electrical Installation, and Industrial Electrical Engineering [Ref: 0951]

Review category	B	See Key to Qualification Review Categories at the end of report
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Changes to structure and content

- strands covering Electrotechnology Specialisation, Electrical Installation, and Industrial Electrical Engineering were added, along with the descriptor 'Advanced Trade', and title updated to match
- standards 18997-18999 were removed
- standards 4993, 16974, 17602, 18956, 25630, and 25638 were added to the compulsory section
- standard 19003 was replaced standard by 25634 which was placed in the Electrical Installation Strand
- the elective section was moved to the new National Diploma in Electrical Engineering (Advanced Trade) (Level 5) with strands in Electrotechnology Specialisation, Electrical Installation, and Industrial Electrical Engineering [Ref: 1514]
- credit value was changed from 76 to 76-83 (depending on strand).

Transition

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.

Credit for	Exempt from
19003	25634
19014	25638, 25640

People currently working towards the previous version of this qualification may either complete the requirements for that version or transfer to version 5 of the Certificate or to version 1 of the Diploma. For details of the similarities in structure and content between version 4 of Ref: 0951 and Ref: 1514, please refer to the transition section for Ref: 1514 below.

The last date for entry to programmes or courses for the replaced version is 31 December 2011. People currently enrolled in programmes of study leading to the award of version 4 have until 31 December 2013 to complete the assessment requirements for that qualification.

National Diploma in Electrical Engineering (Advanced Trade) (Level 5) with strands in Electrotechnology Specialisation, Electrical Installation, and Industrial Electrical Engineering [Ref: 1514]

Transition

Some content of this qualification is based on components removed from Ref: 0951 at review. Candidates may wish to transition directly from Ref: 0951 to Ref: 1514. For those that do, the similarities in structure and content include

- The elective section from Ref: 0951 was moved to Ref: 1514 and was restructured as an elective and balance set.
- Standards 19001, 19008, and 19009 from the compulsory section of Ref: 0951 are also included in the compulsory section of Ref: 1514.
- Standard 19002 from the compulsory section of Ref: 0951 was also included in the Electrical Installation strand of Ref: 1514.

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

Credit for	Exempt from
19007	25641
19014	25638, 25640

People with credits for standards in the lapsing domains listed below can use them to meet the relevant qualification elective requirements:

Standards from	Are treated as Standards from
Business > Management > First Line Management	Business > Business Operations and Development > People Development and Coordination
Business > Management > First Line Management	Business > Business Operations and Development > Systems and Resources Management
Business > Management > First Line Management	Business > Financial Management > Financial Skills
Business > Management > First Line Management	Humanities > Communication Skills > Interpersonal Communications
Business > Management > Management - Developing and Coordinating People	Business > Business Operations and Development > People Development and Coordination
Business > Management > Small Business Management	Business > Business Environment > Business Culture and Environment
Business > Management > Small Business Management	Business > Business Operations and Development > Systems and Resources Management

Standards from	Are treated as Standards from
Business > Management > Small Business Management	Business > Financial Management > Financial Skills
Engineering and Technology > Electricity Supply > Electricity Networks	Engineering and Technology > Electricity Supply > Electricity Supply - Core Skills
Engineering and Technology > Electricity Supply > Electricity Networks	Engineering and Technology > Electricity Supply > Electricity Supply - Distribution Networks
Engineering and Technology > Electricity Supply > Electricity Networks	Engineering and Technology > Electricity Supply > Electricity Supply - Live Work
Engineering and Technology > Electricity Supply > Electricity Utilisation	Engineering and Technology > Electricity Supply > Electricity Supply - Utilisation
Engineering and Technology > Electricity Supply > Power System Management	Engineering and Technology > Electricity Supply > Electricity Supply - Power System Management
Engineering and Technology > Electronics Technology	Engineering and Technology > Electronic Engineering

It is not intended that anyone be disadvantaged by this review, and the above arrangements have been designed for a smooth transition. However, anyone who feels they have been disadvantaged may appeal to the ElectroTechnology Industry Training Organisation (ETITO) at the address below.

ElectroTechnology Industry Training Organisation (ETITO)
 PO Box 24469
 Royal Oak
 Auckland 1345

Telephone 09 525 2590
 Email reviewcomments@etito.co.nz

Key to Qualification Review Categories

Category A The qualification is published as a new version with the same NQF ID	Changes are made to SSB name, contact details or purpose statement
	No change is made to title, rules or components of the qualification
	No transition arrangements are required
Category B The qualification is published as a new version with the same NQF ID	Changes are made to title, rules or components
	The new version of the qualification recognises a similar skill set to that recognised by the previous version
	The SSB is confident that people awarded the new or previous version are comparable in terms of competence
Category C A new (replacement) qualification is published with new NQF ID	Transition arrangements are required if candidates must gain additional/different credits for the new version
	Significant changes are made to the qualification in terms of components, structure, type or level
	The SSB views people with the replacement qualification as being significantly different in terms of competence from those with the replaced qualification
	Transition arrangements are required
Category D Qualification will expire. There is no replacement qualification	Transition may be limited to phase-out dates
	Qualification is no longer required by industry
	The qualification is designated as expiring and a last date for meeting the qualification requirements is set