

FIELD ENGINEERING AND TECHNOLOGY**Review of *Engineering* qualification****National Diploma in Engineering (Level 6) with strands in Computer Engineering, Electrical Engineering, Electronics, Industrial Measurement and Control, and Telecommunications [Ref: 0846]**

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

Replacement qualification

National Diploma in Engineering (Electrotechnology) (Level 6) [Ref: 1313]

Date new version published**August 2007**

The next qualification review is planned to take place during 2012.

Summary of review and consultation process

Meetings involving ETITO, the National Electrotechnology Education Consortium (NETEC), a broad group industry representatives and associations were held between 2002 and 2006, to review the unit standards for the National Diploma in Engineering (Level 6) with strands in Computer Engineering, Electrical Engineering, Electronics, Industrial Measurement and Control, and Telecommunications [Ref: 0846], which was registered in May 2001.

The consultation resulted in a number of unit standards being revised, replaced, or set to expire. Also, some new unit standards were developed. As a result of the unit standard review, the above qualification has been replaced with the National Diploma in Engineering (Electrotechnology) (Level 6) [Ref: 1313] as the current qualification no longer meets industry needs.

The consultation groups were asked to consider the following.

- The currency and appropriateness of the qualification.
- The accuracy and appropriateness of the content in terms of coverage, assessability, qualification level, and credit value.
- Current and future skill and knowledge requirements.
- Qualification pathways and transitions.

The qualification was reviewed to take account of the substantial review of electrotechnology-related unit standards to bring the unit standards and the qualification into line with current and anticipated future skill and knowledge requirements of the electrotechnology industries.

Main changes resulting from the review

Review category	C	See Key to Qualification Review Categories at the end of report
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Summary of differences between the qualifications

- Compulsory standards 16970 and 16972 have been removed.

- Standards 16973, 16992, 22721, 22726, 22734-22736 have been added to the Compulsory section of the new qualification.
- Core Electives 1-5 have been replaced with a new Elective 1, which allows candidates greater flexibility in study towards their chosen industry requirements.
- Elective 2 has been added to the new qualification to provide candidates with further specialist flexibility. It also allows for recognition of previous learning achievements in the electrotechnology industry whether through national qualifications framework qualifications or from other qualifications registered on The New Zealand Register of Quality Assured Qualifications in the field of electrotechnology engineering.
- Strands in Computer Engineering, Electrical Engineering, Electronics, Industrial Measurement and Control, and Telecommunications have been removed.

It is intended that programmes leading to the new qualification will be introduced from 2007.

The last date to meet the requirements of the National Diploma in Engineering (Level 6) with strands in Computer Engineering, Electrical Engineering, Electronics, Industrial Measurement and Control, and Telecommunications [Ref: 0846] is 31 December 2010. Trainees may either complete the requirements of that qualification before 31 December 2010 or transfer to the new qualification with the exemptions listed below.

Industry and NZQA will continue to recognise the former qualification, and there should be no need to 'upgrade' by those who have already achieved the former qualification.

Industry and NZQA will also continue to recognise the NZCE, and there is no requirement for NZCE graduates to 'upgrade' to the NDE.

This qualification contains standards that replace or have been recognised as alternatives to 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 or alternative standards.

Credit for	Exempt from
9685	22735
11388, 11389	21773, 21774
11563	22743
11564	22724
11565	22723
11571	22728
11574	22745
11575	22745
11578	22725
11579	22729
11581	16981

Credit for	Exempt from
11581	22730
11584	22720
16964, 16965, 16972	22721, 22722
16967	22726
16977	11566
16978	16981
16979, 16985	22715
16980	22718
16983	16981
16986	16981
16988	22712, 22717
16990	22713

All new trainees will be enrolled in programmes leading to the new qualification.

It is not intended that anyone be disadvantaged by the above arrangements. However, anyone who feels they have been disadvantaged may appeal to the ElectroTechnology Industry Training Organisation (see details below).

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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
	Transition arrangements are required if candidates must gain additional/different credits for the new version
Category C A new (replacement) qualification is published with new NQF ID	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
	Transition may be limited to phase-out dates
Category D Qualification will expire. There is no replacement qualification	Qualification is no longer required by industry
	The qualification is designated as expiring and a last date for meeting the qualification requirements is set