

FIELD ENGINEERING AND TECHNOLOGY**Review of *Electronic Manufacturing* qualifications****National Certificate in Electronic Manufacturing (Level 3) [Ref: 0434]
National Certificate in Electronic Manufacturing (Level 4) with strands in
Manufacturing Technology, and Manufacturing Leadership [Ref: 0435]**

The ElectroTechnology Industry Training Organisation has completed the review of the qualifications listed above that were registered in February 1998.

Date new versions published**March 2004**

These qualifications were reviewed in 2003, following five years of use by the industry. Unit standards were reviewed simultaneously to incorporate changes arising from assessment experience, and a number of new standards were registered to better meet industry needs. The review was carried out in conjunction with the Electronic Manufacturing Advisory Group and a group of assessors working in the industry. Following wider consultation with manufacturing companies, the qualification changes were endorsed by the Advisory Group in August 2003.

Main changes resulting from the review

Both qualifications were altered to include a set of compulsory standards to reflect a common skill set for all employees in the production environment. Additional standards extend the range of applicable electives, opening the qualification to employees who were previously unable to qualify.

National Certificate in Electronic Manufacturing (Level 3) [Ref: 0434]

Changes to structure and content

- Addition of a compulsory section covering safe practices, electrostatic discharge precautions, identification of components, and hand soldering (unit standard 12579, 20402, 20403, and 20405);
- addition to Elective 1 (formerly Group A) of unit standards 20400, 20401, 20404, and 20524 covering reworking of surface mount and SMD printed circuits, use of semi-automatic assembly equipment, and assembly of racks and cabinets; and removal of unit standard 12579;
- addition to Elective 2 (formerly Group B) of First Line Management domain and the subfield Electronic Engineering;
- adjustment of unit standard credits and levels reflecting recent review.

**National Certificate in Electronic Manufacturing (Level 4) with strands in
Manufacturing Technology, and Manufacturing Leadership (Ref: 0435)**

- Addition of common standards to each of the compulsory strands, covering safe practices, electrostatic discharge precautions, identification of components, and hand soldering (unit standards 12579, 20402, 20403, and 20405);
- addition to Elective 1 (formerly Group A) of unit standards 20400, 20401, 20404, and 20524 covering reworking of surface mount and SMD printed circuits, use of semi-automatic assembly equipment, and assembly of racks and cabinets;

- addition to Elective 2 (formerly Group B) of First Line Management domain and the subfield Electronic Engineering;
- adjustment of unit standard credits and levels reflecting recent review.

Transition

All new trainees will be enrolled in programmes leading to version 3 of the qualifications. People currently enrolled in programmes leading to the award of version 2 may either complete that version, or transfer to version 3. The last date for award of versions 1 and 2 is 31 December 2005.

It is not intended that anyone is 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:

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