



Higher National and Vocational Qualifications Internal Assessment Report 2016

Engineering Systems

The purpose of this report is to provide feedback to centres on verification in Higher National Qualifications in this subject.

Higher National units

General comments

There were two visits to centres delivering HNC/D Engineering Systems. There were no visits to centres delivering HNC Engineering Practice.

The following HN units were externally verified.

DV9N 34	Engineering Communication
DV9R 34	Principles of Engineering Systems
DV9P 34	Engineering Measurement and System Monitoring
F1BY 35	Principles of Safe Engineering Systems
F1YK 34	Renewable Energy: Microgeneration Systems

Comments about the project unit will be found later in this document.

Unit specifications, instruments of assessment and exemplification materials

Each centre used appropriate unit specifications, instruments of assessment and, where appropriate, exemplification materials.

Evidence requirements

These were met for all verified units.

Administration of assessments

The arrangements and conduct of assessments were appropriate in all cases.

General feedback

With only two visits, it is difficult to draw any sector-wide inference from the reports. The value of effective, and consistent, feedback to candidates remains of great importance.

Areas of good practice

Provision of innovative project topics.

Specific areas for improvement

None identified.

Higher National graded units

Titles/levels of HN graded units verified:

F1E8 35 HND Engineering Systems: Graded Unit 2
DW92 34 HNC Engineering Practice: Graded Unit 1

General comments

One instance of F1E8 35, HND Engineering Systems: Graded Unit 2, was verified at a centre visit.

One instance of DW92 34, HNC Engineering Practice: Graded Unit 1, was verified centrally.

Unit specifications, instruments of assessment and exemplification materials

The Graded Unit 1 examination paper was produced, and externally verified, in line with the unit specification.

The range of Graded Unit 2 project topics was impressive and, in some cases, innovative.

Evidence requirements

All evidence was considered valid.

Administration of assessments

Administration of assessments was as required.

General feedback

With only a single centre verified for each of the graded units, it is not possible to offer general comments for the units.

Areas of good practice

Incorporation of projects based on innovative topics provided candidates with opportunities to apply their knowledge and skills in interesting and challenging technologies.

Specific areas for improvement

A number of Graded Unit 1 examination papers for HNC Engineering Systems and HNC Engineering Practice were prior verified this session. There were no major structural issues and each paper offered to candidates was ultimately deemed valid, in some cases after amendment.