



Higher National Qualifications

And

Scottish Vocational Qualifications

Senior Verifier Report

2007

Subject: Computer Aided Technology

Sector Panel: Engineering, Science and Mathematics

The purpose of this report is to provide feedback to centres on verification which has taken place within Higher National and Scottish Vocational Qualifications in this subject.

HIGHER NATIONAL UNITS

FEEDBACK TO CENTRES

General comments:

A total of 17 external verification visits were carried out in the Computer Aided Technology group. The following is a summary of the general points established from these visits:

A good standard of internal verification has been demonstrated in all centres.

All centres are demonstrating consistency with and awareness of the national standards in assessment.

All assessment decisions were deemed to be fair and unbiased.

Overall the standard of work submitted for verification was considered to be good.

Candidate feedback where received was positive and supportive of the delivering centre and staff.

Advice on good practice and areas for further development:

Some centres are making a positive effort to both contextualise and integrate assessment tasks. The integration of assessment should be encouraged and is considered good practice.

HIGHER NATIONAL GRADED UNITS

TITLES/LEVELS OF HN GRADED UNITS VERIFIED

Computer Aided Draughting and Design: Graded Unit 1 (DW15 34)

FEEDBACK TO CENTRES

General comments:

A total of 2 centres delivered the new Computer Aided Draughting and Design Graded Unit 1. The following is a summary of the general points established from verification visits:

Robust internal verification of the graded unit was clearly evident at both centres.

Marking schemes (Unit Specification checklists) are being used consistently by both delivering centres.

Overall the standard of work submitted for verification was good.

Issues were raised by centres and EVs regarding the checklist contained within the Unit specification. This has been referred to the Qualification Support Team (QST) to address accordingly.

Grades awarded were consistent and fair. It was noted that there were two candidates with excellent performance, but under the current marking guidelines there is no way to give these candidates an A+.

Advice on good practice and areas for further development:

Effective use of formal logbooks was evident in one of the delivering centres. This practice should be encouraged as it helps to confirm the thoughts and work of the candidate that may not be easily identifiable in the final submission. A comprehensive logbook can help to validate an assessment decision.

Evidence was provided of candidates' use of centre devised checklists reflective of the Unit specification checklist. This helped to establish uniformity and ensured coverage of the main elements required by the specification. It is recommended that centres develop checklists that reflect the requirements of the three elements of the Graded Unit.

Where assessment instruments for the graded unit are developed locally it is recommended that these should be prior verified by SQA prior to delivery

An assessment exemplar would be beneficial and help to establish standardisation in all delivering centres. The Qualification Support Team is currently preparing an assessment exemplar for the Computer Aided Draughting and Design Graded Unit 1.

NATIONAL UNITS

(i.e. Freestanding units which contribute to NPAs or NCs etc.)

TITLES/LEVELS OF NATIONAL UNITS VERIFIED

EE9Y12 – CNC Part Programming

E8M211 – Introduction to Computer Aided Draughting

D98512 – Computer Aided Draughting (CAD)

E9LG11 – Computing in Engineering 1

E8LG11 – CNC Part Programming 2

D2KK10 – Supporting Learning Through Computer Applications: an Introduction

FEEDBACK TO CENTRES

General comments:

A total of 6 external verification visits were carried out in the Computer Aided Technology group. The following is a summary of the general points established from these visits:

A good standard of internal verification has been demonstrated in all centres.

All centres are demonstrating consistency and awareness of the national standards in assessment.

All assessment decisions were deemed to be fair and unbiased.

Overall the standard of work submitted for verification was good.

Advice on good practice and areas for further development: