



Higher National Qualifications

And

Scottish Vocational Qualifications

Senior Verifier Report

2007

Subject: Manufacture

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:

This year the group was asked to concentrate on NQ Units, as the HN Units had been the focus of verification for some years previously. Only one centre specifically asked for verification of HN Units. The Units verified were, Materials Selection and Testing, (D4JF 04), Metrology: Dimensional, (D4JS 04), Product Assembly Skills, (D4KT 04) and Product Manufacturing Skills, (D4KV 04). All of the assessment materials and scripts were found to be of a good standard. The verifiers also found that the centres now have good Internal Verification systems. No problems were reported.

Advice on good practice and areas for further development:

Not applicable because of the small sample.

HIGHER NATIONAL GRADED UNITS

TITLES/LEVELS OF HN GRADED UNITS VERIFIED

DW13 34 Manufacturing: HNC Graded Unit 1

FEEDBACK TO CENTRES

General comments:

This is the first year the new design HNC Manufacturing has been delivered. Only two centres ran the Graded Unit this session. Both centres requested prior verification of the Question Papers they developed for the Graded Unit. The instruments of assessment and the solutions were of an appropriate standard. The grades awarded by the centres to their candidates were, in the majority of cases, in agreement with those awarded by the External Verifier Team. In two cases, it was recommended to the centres that the grades could be raised to the next level. In both cases there were some discrepancies in the adding up of marks by Internal Assessors but these had been spotted and corrected by the Internal Verifiers.

Advice on good practice and areas for further development:

1. Graded Units assessed this year had been prior verified. This is an example of best practice for other centres to follow.
2. The Internal Verifiers are doing a good job but Internal Assessors should take more care in checking their own work.

NATIONAL UNITS

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

TITLES/LEVELS OF NATIONAL UNITS VERIFIED

Engineering Manufacturing Processes 2	E7W7 12
General Engineering Workshop Practice	E9CW 11
Introduction to Measurement	E7VY 11
Material Removal Practice: Turning	E971 11
Introduction to Marking out Procedures	ED8F 11
Engineering Manufacturing Processes 1	E7W6 11
Abrasive Wheels	E8LS 11
Applied Technology 1	EB0K 11
Workshop Skills: An Introduction	D999 11
Material Removal Practice: Milling	E7W9 11
Basic Engineering Materials	ED8E 11
Dimensional Control 2: Measurement Standards	E7W2 11
Introductory Machining Skills	E8LN 11

FEEDBACK TO CENTRES

General comments:

This year, two verifiers visited seven centres for the verification of NQ Units. All of the assessment materials and scripts examined were found to be of an appropriate standard. The standards were found to be high, uniformly, across all the centres. The Verifiers also found that the centres now have good Internal Verification systems. No problems were reported.

Advice on good practice and areas for further development:

- 1) Most centres now have robust and easily verifiable Internal Verification systems. They hold regular meetings, which are well documented. All the IVs are either properly qualified or working towards their qualifications and these records are maintained to reflect the current state of affairs.
- 2) Much work has been done by centres on reducing the assessment load by the development and adoption of integrative assessments. These have been achieved by integrating assessments over a number of outcomes in a particular Unit or even by integrating outcomes across different Units. More can still be done in this area, which would be beneficial in reducing the workload on students and lecturers.