



**Higher National Qualifications**

**And**

**Scottish Vocational Qualifications**

**Internal Assessment Report**

**2008**

**Subject: 232 Electronics & Instrumentation**

**Sector Panel or SSC: Engineering**

**Date: 09-07-08**

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

*Insert details relating to specific guidance which should be offered to centres based on the verification of centres.*

*Include:*

- *General comments*
- *Areas of good practice*
- *Areas for further development*

#### **General comments:**

11 centres were verified this session for HN Units in group 232. 5 centres delivering old style Units, 4 centres delivering new style Units and 2 centres delivering a mix as old awards are still being phased out. No holds were placed but some development points were identified. From the 11 centres verified some common themes are identified in the following section “Advice on good practice and areas for further development”.

#### **Advice on good practice and areas for further development:**

Areas of good practice:

- In most instances SQA assessment exemplars were used and were appropriate.
- Some good examples of rigorous internal verification procedures were identified.
- Some good examples of candidate feedback by assessors on candidates work.

Areas for further development:

- Little evidence of SQA prior verification used.
- Some instances of marking schemes being little more than a solution.
- Assessment evidence “master folders” not always kept up to date.
- Internal verification processes not always visible to the external verifier.

## HIGHER NATIONAL GRADED UNITS

### TITLES/LEVELS OF HN GRADED UNITS VERIFIED

*Insert details below*

**DG2V 35 Electronics: Graded Unit 2**

**DG2T 34 Electronics: Graded Unit 1**

**F014 35 Measurement and Control Engineering: Graded Unit 2**

**F013 34 Measurement and Control Engineering: Graded Unit 1**

### FEEDBACK TO CENTRES

*Insert details relating to specific guidance which should be offered to centres based on the verification of centres.*

*Include:*

- *General comment*
- *Areas of good practice*
- *Areas for further development*

### General comments:

With regards to both the Measurement & Control and the Electronics Graded Unit, only 1 centre was verified for F013 34 and 3 centres for DG2T 34. It is therefore difficult to predict any national trends for each Unit. However for both awards a common paper was used between the centres delivering each award. A common date for the examination was also used in Electronics but not for Measurement & Control due to the nature of the candidate groups including overseas clients. From the 4 centres verified across both HNCs some common themes are identified in the following section “Advice on good practice and areas for further development”.

With regard to both the Measurement & Control and the Electronics Graded Unit 2, only 1 centre for each award was verified. Some common themes with regard to Graded Unit 2 are identified in the following section “Advice on good practice and areas for further development”.

### Advice on good practice and areas for further development:

With regard to Graded Unit 1 (DG2T 34 & F013 34):

- Not all centres used examination style paper for candidate responses. Centres that did use appropriate examination paper were more accurate in totaling the candidate’s marks and it was also easier for verifiers to track all decisions made by the markers.
- In some instances the internal verification process was not visible to the external verification team.
- Not all centres used the examination version with the SQA prior verification stamp.

With regard to Graded Unit 2 (DG2V 35 & F014 35):

- Project progress reports should be used to provide constructive feedback to candidates at appropriate milestones throughout the life cycle of the project. There was little formal evidence documenting that such meetings had taken place. It is recommended that formal documentation be available for appropriate milestones throughout the project.
- Candidates require guidance, at the start of the project, with regard to the differences between project objectives and tasks. They did not always appear to be able to differentiate between the two and this made it difficult for these candidates to be truly evaluative at the end of the project. Centres should make efforts to ensure that candidates have clear and distinct project objectives and tasks.
- Although data sheets and other non-original information are required for completeness of the project report, it should be reinforced to candidates that it is their own efforts and findings that are being assessed.
- Candidates did not always have a logical structure to their report. Guidance should be given with regards to structuring reports.

## **SVQ AWARDS**

### **TITLES/LEVELS OF SVQ AWARDS VERIFIED**

*Insert details below*

N/A

### **FEEDBACK TO CENTRES**

*Insert details relating to specific guidance which should be offered to centres based on the verification of centres.*

*Include:*

- *General comments*
- *Areas of good practice*
- *Areas for further development*

**General comments:**

**Advice on good practice and areas for further development:**

## **NATIONAL UNITS**

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

## **TITLES/LEVELS OF NATIONAL UNITS VERIFIED**

*Insert details below*

**N/A**

## **FEEDBACK TO CENTRES**

*Insert details relating to specific guidance which should be offered to centres based on the verification of centres.*

*Include:*

- *General comments*
- *Areas of good practice*
- *Areas for further development*

**General comments:**

**Advice on good practice and areas for further development:**