

## **Moderation Feedback – Visiting - 2005**

**Engineering**

**Qualification area**

**Subject(s) and Level(s)  
included in this report**

**Electrical Principles, Electrical Installation and  
Electrical Plant – HN level (40 units)**

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## **General comments on moderation activity**

### **Electrical Installation (160)**

Only two centres were moderated in this cognate group area reflecting the current low take up of Electrical Installation units at HN level. At one centre five units were moderated and the external moderator reported that 'candidate responses and level of attainment were of an excellent standard.' At the other centre only one unit was moderated and as candidate evidence was incomplete it was not possible to comment in detail on the quality of candidate work.

### **Electrical Principles (231)**

There was a much higher level of external moderation activity in this cognate group with ten centres visited. Moderators reported that candidates were achieving very good standards of attainment. Moderators did not report any areas where candidates performed less well.

### **Electrical Plant (274)**

There was only modest external moderation activity in this cognate group reflecting the limited take up of Electrical Plant units in centres. Moderators made few positive or negative comments about candidate performance suggesting that at a minimum National standards were being attained.

## **Specific issues identified**

The following comments apply equally to all 3 cognate groups:

Moderators reported no significant misunderstanding with procedures. External moderators were generally pleased with the way procedures were operated in centres. For example, it was reported that internal moderation procedures were operating effectively in all centres with sufficient sampling taking place. One moderator indicated that at one centre candidates were being 'enrolled' late with the SQA but was assured that this was being attended to. Late registration did not appear to be a problem in other centres.

No areas of common misunderstanding were reported at unit level. This is not surprising given that the units in all 3 cognate groups are well established and most unit specific problems have been dealt with.

Moderators reported no major issues with the effectiveness of SQA administration and procedures from either a centre perspective or from their own perspective. One moderator questioned the presence of two Electronics units in the Electrical Installation Cognate Group. There would be value in the Senior Moderator reviewing the unit list in this Cognate Group to ensure it does not contain any spurious units.

Moderators did not indicate any areas of difficulty in moderating. In general, they found staff in centres to be helpful and supportive during moderation visits.

## **Feedback to centres**

Feedback to centres should be very positive. National standards are being achieved or even exceeded in the 3 cognate group areas. Summative assessment material is relevant and meets the requirements of the outcomes. Internal moderation procedures are working effectively with centres using appropriate samples of candidate work. In general, unit master folders are of a good quality and contain all essential information. Feedback to candidates is generally good. There are also examples of good practice that should be noted. For example,

- The use of an exploded diagram to explain the operation of a three phase induction motor
- The existence of excellent test facilities for electrical installation inspection and testing
- The use of combined computer simulation and practical work to enhance candidate learning
- Use of good learning/teaching notes to aid those candidates for whom English is a second language.