



**Higher National Qualifications (China)
Internal Assessment Report 2012**

Electrical Principles

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

This report is based on only one external verification visit to a centre in China. The Units externally verified were as follows:

- ◆ Single Phase AC Circuits at SCQF level 7
- ◆ Electrical Networks and Resonance at SCQF level 7

The visit to the centre was successful (ie a recommendation for a hold on certification was not placed on the centre), which suggests that the centre had a clear and correct understanding of the requirements of the national standards.

Unit specifications, instruments of assessment and exemplification materials

All instruments of assessment and marking schemes were available during the external verification visit. There is a 'module box' for each Unit, regularly maintained and updated, containing module specifications, internal verification records, class checklist (recording the internal verification sampling), assessment exemplar and all current candidates' responses properly marked and annotated as appropriate.

Instruments of assessments are either assessment exemplars correctly used, or prior-moderated internally generated assessment instruments.

Evidence Requirements

The External Verifier did not identify any serious issues with candidates' work in the two Units externally verified, which strongly suggests that centre staff have a good understanding of the Evidence Requirements for these two Units.

Administration of assessments

Administration of assessment was found to be appropriate. Judgement of candidates' performance was correct and consistent. The internal verification records support this, and in the minority of cases where internal verification identifies a problem it is noted and discussed with the assessor and appropriate action is taken.

General feedback

Candidates during interview with the External Verifier commented favourably on the enhanced practical content of the programme compared with their peers on Chinese undergraduate programmes. The candidates really value this practical experience. However, they suggested that the theoretical content of the Units could be increased. They also suggested that the theory could be applied to the solution of real electrical problems to make it all a bit more challenging and interesting.

Areas of good practice

The internal verification process is rigorous and fully documented. There is a cutting score identified (60%) in the assessment exemplars, and this is rigorously applied. In the case of the *Single Phase AC Circuits* Unit, the pass mark is 33.6/56 with a 'redo' level set at 25/56 and re-assessment if a score is below 25/56. The full record of each candidate's score at each of these steps is recorded as necessary on the class checklist.

Specific areas for improvement

No specific areas for improvement were identified during the visit.