



**Higher National Qualifications (China)
Internal Assessment Report 2016
Electronics and Instrumentation**

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

There was, in general, a clear understanding of the requirements of the national standards demonstrated within the units verified for Electronics and Instrumentation (verification group 232). There was good use of photographs to support candidates' laboratory work showing instrumentation used and actual test results.

Unit specifications, instruments of assessment and exemplification materials

SQA assessment specifications and instruments of assessment were used for the units that were verified.

Evidence requirements

There was a clear demonstration of understanding the evidence requirements shown in the work of the candidates sampled.

Administration of assessments

Assessment procedures were fully documented and provided, and were in line with SQA requirements. There are also procedures in place to ensure authenticity of candidates' work including photographic evidence of laboratory work. There was evidence that candidates were being re-assessed fairly when required. Comprehensive internal verification documents were provided for each of the units.

General feedback

A suitable range of equipment for delivering these technical units was demonstrated by the inclusion of photographs detailing equipment used by candidates with computer screenshots of program listings to authenticate candidate evidence.

Areas of good practice

Comprehensive internal verification documents were provided for each of the units verified, with suitable comments. There was evidence that candidates were being assessed and re-assessed fairly and judged accordingly in line with the requirements of the SQA exemplars used.

Specific areas for improvement

SQA assessment exemplars were used throughout. However, there was little evidence of different re-assessments for candidates. These should be submitted to SQA for prior verification.

Higher National graded units

DN1G 34 Electronic Engineering: Graded Unit 1

DN1V 35 Electronic Engineering: Graded Unit 2

General comments

There was, in general, a clear understanding of the requirements of the national standards demonstrated within the above units. However, alternative assessments for Graded Unit 1 for re-assessment and other purposes are required in order to stop candidates gaining familiarity with the SQA assessment exemplar.

Unit specifications, instruments of assessment and exemplification materials

SQA assessment specifications and instruments of assessment, suitably adjusted for local conditions and resources, were used for the units that were verified.

Evidence requirements

Following on from verification events last session, all recommendations made with regard to required candidate evidence have been implemented this session — as have the recommendations for required assessor feedback evidence regarding progress reports and project verification strategies. These enhanced assessment methods, detailing progress of candidates as well as project system verification strategies, are now being implemented by candidates. This has resulted in a higher standard of project presentation.

Administration of assessments

Assessment procedures were fully documented and provided, and were in line with SQA requirements. There are also procedures in place to ensure authenticity of candidates' work including photographic evidence of project work. The examination invigilation procedures used for Graded Unit 1 are being successfully implemented with two candidates' scripts withdrawn this session.

General feedback

A good range of project topics is available for Graded Unit 2. However, alternative assessments for Graded Unit 1 for re-assessment and other purposes are required.

Areas of good practice

There was good evidence of re-marking scripts in order to double-check judgements and consistency was demonstrated throughout. Good use was also made of an assessment summary record detailing assessor/internal verifier comments with regard to candidates' achievements for Graded Unit 1.

The evidence provided by candidates this session, for Graded Unit 2, is robust with regard to progress made and subsequent assessor feedback throughout the project thus enhancing assessment methods.

Specific areas for improvement

Alternative assessments for Graded Unit 1 for re-assessment and other purposes are required and should be generated.