



لمبائك اركيٲيك جوروترا قروفيسيونل دان جورواوكور باهن نكارا بروني دارالسلام
Brunei Darussalam Board of Architects Professional Engineers and Quantity Surveyors

GUIDELINE NO. 6

**ARCHITECTS, PROFESSIONAL ENGINEERS AND QUANTITY SURVEYORS, ORDER 2011
AND
ARCHITECTS, PROFESSIONAL ENGINEERS AND QUANTITY SURVEYORS, RULES 2016**

PART II – SECTION 6 (b)

HANDBOOK FOR PROFESSIONAL ENGINEERS
-Professional Competence Examination (PCE)

QUALIFICATION AND EXAMINATION COMMITTEE
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1.0 INTRODUCTION

The Board of Architects, Professional Engineers and Quantity Surveyors (BAPEQS) is a statutory body constituted under the Registration of Architects, Professional Engineers and Quantity Surveyors (APEQS) Order 2011. It was formed on 13th September 2012.

BAPEQS is within the domain of responsibility of the Minister of Development. Vested with wide powers, the Minister may suspend the operation of the Registration of APEQS Order 2011 in any part of Brunei Darussalam by notification in the gazette. The appointment of the Board Members and the Registrar are made by the approval of His Majesty the Sultan and Yang Di-Pertuan Negara Brunei Darussalam.

Its primary role is to facilitate the registration of engineers and regulate the professional conduct and practice of registered architects, engineers and quantity surveyors in order to safeguard the safety and interest of the public. Furthermore, under the Constitution of Brunei Darussalam (Order made under Article 83(3)), Architects, Professional Engineers and Quantity Surveyor (APEQS) Order, 2011, *PART II, Board of APEQS, Function of Board, 6*. The functions of the Board shall be: "...(b) to hold or arrange for the holding of such examinations as the Board considers necessary for the purpose of enabling persons to qualify for registration under this Order;...(Page 388)" and *PART IV, Registration of APEQS, Qualifications for registration, 17. (1) (c)* any person who satisfies the Board that he is otherwise qualified by having proper and recognized training in architecture or who has academic qualifications in professional engineering or quantity surveying and who passes such examinations as may be required by the Board... (Page 399).

In this document, presented the guidelines of qualification and examination for membership of Architects, Professional Engineers and Quantity Surveyors. Purpose of the examinations or assessments conducted by Board of Architects, Professional Engineers and Quantity Surveyors (BAPEQS) for Architects, Engineers and Quantity Surveyors (APEQS) is to maintain high standards for registering the Professional APEQS in Brunei Darussalam by advancement and regulation of the practice.

In order to register a person should acquire the qualifications requirement of BAPEQS. Professional Competence Examination or Assessment is a pathway to acquire the registration as Professional Engineers as Registered Engineers Ir./Er. in the disciplines such as Civil, Electrical, Mechanical and other branches of engineering.

2.0 PROFESSIONAL COMPETENCE EXAMINATION - ENGINEERS

2.1 Eligibility to Sit for Professional Competence Examination (PCE)

A candidate applying for PCE should possess the following qualifications:

- a) A four year accredited MEng or BEng (Hons) degree or a three year accredited BEng (Hons) degree with an appropriate Masters qualification or any other equivalent qualifications accepted by BAPEQS.
and
- b) Minimum two (02) years approved experience gained after item (a) which include one (1) year practical experience in Brunei Darussalam.
or
- c) For candidates who has obtained their professional qualification abroad will be required to show evidence of one year of professional engagement fully residence in Brunei Darussalam.

2.2 Structure of PCE

The PCE tests the candidate's Competence in applying his engineering knowledge and experience in professional engineering practice, and his knowledge of the guidelines regulating the practice. The documentation required for submission will be logbook and personal evaluation of professional experience and selected project/technical case studies.

Structure of the examination is as follows:

- a) Logbook ([Annex A](#)), Professional Experience Record ([Annex B](#)) and Professional Review Report ([Annex C](#)) submission is where the technical calculations ability is to be assessed, including during the interview;
- b) Candidates will be assessed on the ability to articulate their thinking in their work;
- c) No academic questions for the written examination part.
- d) The Written Examination will be divided into three parts:
 - Part 1 (40 marks): Based on report submission and questions on Engineering Knowledge and Understanding, Technical and Practical Application and Judgement and Responsibility;
 - Part 2 (30 marks): Engineering in Society, Questions on HSE, Sustainable Development, Professional Ethics and Commitment.
 - Part 3 (30 marks): Project Management - Questions on local context, management and leadership, commercial ability, Project Management and Contracts.
 - Candidates must answer three parts (1, 2 and 3) and must pass each of the three parts (i.e. achieve 50% marks and above)
- e) Assessment Criteria for Interview is as outlined in Appendix A, GD 16.
- f) Assessment Criteria for Written Exam is as outlined in Appendix D, GD 16.

2.3 Fees

The fee for an application to sit for the Professional Competence Examination is \$400.00 to be paid with the application.

2.4 Date of Examination

The dates for the Professional Competence Examination are in July / August.

2.5 Venue of Examination

The venue will be announced by BAPEQS Secretariat and successful candidates would be informed formally.

2.6 Application

Application and payment shall be made to:

Brunei Darussalam Board of Architects, Professional Engineers and Quantity Surveyors (BAPEQS)
Board Management Division (BMD)
Ground Floor (East Wing), Ministry of Development Building,
Jalan Pembangunan, Bandar Seri Begawan, BB 3510,
Negara Brunei Darussalam.

The Secretariat office contact detail:

Telephone number : +673 2382076
Email address : apeqsec@mod.gov.bn
Website : www.bapeqs.gov.bn

All required documents are to be submitted to BAPEQS secretariat within three weeks after the announcement of successful candidates is made.

ANNEX A

Refer to GD16 for description of the 9-Attributes

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - LOG BOOK

BAPEQS**PROFESSIONAL COMPETENCY EXAMINATION (PCE) - ENGINEERING****LOGBOOK (Executive Summary of Experiences)**

A LOGBOOK is an Executive Summary of the record of your experiences and how you have achieved the Attributes (9 Nos.).

It is a not a long list of projects or tasks undertaken

A LOGBOOK should be a select list of projects, roles and responsibilities undertaken by you, and outlining how these have contributed to you achieving the 9 Attributes.

CANDIDATE NAME:

IC No:

CANDIDATE NUMBER:

DATE:

1BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - LOG BOOK

Briefly Describe How You Have Achieved the Attributes

Item	Project Name and Description	Period	Attribute A (knowledge of Understanding of Engineering)

2

ANNEX A (cont...)BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - LOG BOOK

Briefly Describe How You Have Achieved the Attributes

Item	Project Name and Description	Period	Attribute B (Technical and Practical Application of Engineering)

3BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - LOG BOOK

Briefly Describe How You Have Achieved the Attributes

Item	Project Name and Description	Period	Attribute C (Management and Leadership)

4

ANNEX A (cont...)

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - LOG BOOK

Briefly Describe How You Have Achieved the Attributes

Item	Project Name and Description	Period	Attribute D (Independent Judgement and Responsibility)

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - LOG BOOK

Briefly Describe How You Have Achieved the Attributes

Item	Project Name and Description	Period	Attribute E (Commercial Ability)

ANNEX A (cont...)

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - LOG BOOK

Briefly Describe How You Have Achieved the Attributes

Item	Project Name and Description	Period	Attribute F (Health, Safety and Welfare)

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - LOG BOOK

Briefly Describe How You Have Achieved the Attributes

Item	Project Name and Description	Period	Attribute G (Sustainable Development)

ANNEX A (cont...)

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - LOG BOOK

Briefly Describe How You Have Achieved the Attributes

Item	Project Name and Description	Period	Attribute H (Interpersonal Skills and Communication)

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - LOG BOOK

Briefly Describe How You Have Achieved the Attributes

Item	Project Name and Description	Period	Attribute I (Professional Commitment)

ANNEX B

BAPEQS
PROFESSIONAL COMPETENCY EXAMINATION (PCE) -
ENGINEERING
PROFESSIONAL EXPERIENCE RECORD

Your **EXPERIENCE RECORD** is a description of your roles and responsibilities held by you over the career and should outline the position held and outline of the various projects you have been responsible for in these positions of responsibility.

This document should be signed off by your **LEAD SPONSOR**.

CANDIDATE NAME:

IC No:

CANDIDATE NUMBER:

DATE:

NAME (LEAD SPONSOR):

BAPEQS REG. NO:

SIGNATURE:

DATE:

ANNEX B (Cont...)

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - EXPERIENCE RECORD

Briefly Describe Your Roles and Responsibilities Throughout Your Career
(Include Project(s) If Required)

Item	Period	Designation/Job Descriptions/Role & Responsibilities

ANNEX C

BAPEQS
PROFESSIONAL COMPETENCY EXAMINATION (PCE)
PROFESSIONAL REVIEW REPORT

Your **PROFESSIONAL REVIEW REPORT** should detail at least **TWO** of your **COMPLETED** projects which you have carried out. The tasks can be part of a bigger project.

This should showcase your understanding of mainly **Attribute A** and **B** and other **Attributes** and demonstrating how these projects have contributed to you achieving the **Attributes**.

This report should be signed off by your **LEAD SPONSOR**.

The Contents only serves as a **guideline**. Please insert as necessary to provide additional details as you deemed required to detail your involvement in these two projects.

Please limit your report to **5000 Words**.

CANDIDATE NAME:

IC No:

CANDIDATE NUMBER:

DATE:

NAME (LEAD SPONSOR):

SIGNATURE:

DATE:

ANNEX C (Cont...)BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - PROFESSIONAL REVIEW REPORT

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4.1	Background.....	5
4.2	Main Content.....	5
5.0	Conclusion.....	Error! Bookmark not defined.

Note: This is just a suggestion. Candidate can develop and complete their report based on their own content and headings

ANNEX C (cont...)

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - PROFESSIONAL REVIEW REPORT

1.0 Executive Summary

Include a summary of the two projects and how you have attained the relevant Attributes during your involvement on these projects. Limited to 1 A4-Page only

ANNEX C (Cont...)

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - PROFESSIONAL REVIEW REPORT

2.0 Introduction

Should include, but not limited to (candidate to add):

- Introduce and Describe your TWO Chosen Projects
- Describe your role and responsibilities in the TWO chosen projects
- Describe briefly the issues

ANNEX C (Cont...)

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - PROFESSIONAL REVIEW REPORT

3.0 Project 1 –

3.1 Background

Describe the Project

3.2 Main Content

Candidate to format to suit. The content should include, but not limited to (candidate to add to further support their report):

- Description of your role and responsibilities in the project
- What issues you experienced in the project
- How you approach and tackle and resolve these issues
- Refer to the attributes and describe how you have attained these attributes (eg technical knowledge and practical knowledge, safety issues, project management, leadership, ethics etc etc)
- Give account of the thought-process around designs and resolution of project/site matters
- others

ANNEX C (cont...)

BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - PROFESSIONAL REVIEW REPORT

4.0 Project 2 -

4.1 Background

Describe the Project

4.2 Main Content

Candidate to format to suit. The content should include, but not limited to (candidate to add to further support their report):

- Description of your role and responsibilities in the project
- What issues you experienced in the project
- How you approach and tackle and resolve these issues
- Refer to the attributes and describe how you have attained these attributes (eg technical knowledge and practical knowledge, safety issues, project management, leadership, ethics etc etc)
- Give account of the thought-process around designs and resolution of project/site matters
- others

ANNEX C (Cont...)BAPEQS PROFESSIONAL COMPETENCY EXAMINATION (PCE) - PROFESSIONAL REVIEW REPORT

5.0 Conclusion

This section should include, but not limited to:

- Summarise the two projects again
- Conclude by summarising how these projects have helped you attain the relevant attributes and how they have added to your experience
- These two projects do not necessarily contribute to all the 9 Attributes, just share the relevant attributes related for Projects 1 and 2

Project 1	The Relevant Attribute(s) Achieved from this Project	Remarks on How Attribute was Achieved

Project 2	The Relevant Attribute(s) Achieved from this Project	Remarks on How Attribute was Achieved