




BEM
EMPOWERING ENGINEERING

19th & 20th November 2024
The Pacific Sutera Hotel Kota Kinabalu

CPD REQUIREMENTS FOR PEPC, PE & IOW


Presented by:
DATO' Ir. Dr. CHE HASSANDI ABDULLAH

Outline of Presentation



- BEM Circular No. 002 (Rev. No. 2 : I9-3-2024)
Continuing Professional Development (CPD) Requirements
- Types of CPD Activity
- CPD Hours Requirement for PEPC, PE & IOW
- CPD Hours Requirement for PEPC, PE & IOW – For 65 and Above

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**BEM**
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BEM Circular No. 002 – Rev. 2. 19/3/2024

Continuing Professional Development (CPD) Requirements

1. In the Registration of the Engineers Act revised in 2015 has caused a mandatory Continuing Professional Development (CPD) Programme to be undertaken by all Registered Professional Engineers with Practising Certificates, Registered Professional Engineers and Registered Inspectors of Works.
2. This Circular (Circ. 002) state the conditions prescribed by the BEM in respect of the fulfilment on the required CPD Programme for the purpose of renewal of the annual Certificate of Registration for Registered Professional Engineers with Practising Certificates and Registered Professional Engineers; and the triennial (once every three years) Certificate of Registration for Registered Inspectors of Works.

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BEM Circular No. 002 (Rev no.: 2)

Continuing Professional Development (CPD) Requirements

CPD Programme:

- *The cumulative CPD Activities over a calendar year which contribute towards the Continuing Professional Development of a Registered Professional Engineer with Practising Certificates (PEPC), a Registered Professional Engineers (PE) or a Registered Inspectors of Works (IOW).*
- *Such a contribution would be reflected by the CPD Hours collected by the said PEPC, PE or IOW.*

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BEM Circular No. 002
Continuing Professional Development (CPD) Requirements

CPD Activities:

- *Engineering or related activities, **NOT** within the job scope of a Registered PEPC, PE or IOW while being employed or professionally engaged, such that these activities directly contribute to the competency of the said PEPC, PE or IOW.*


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BEM Circular No. 002
Continuing Professional Development (CPD) Requirements

CPD Hour:

- One (1) hour of involvement in a CPD Activity undertaken by a Registered PEPC, PE or IOW. Under all circumstances the BEM has the final discretion in determining the actual CPD Hour to be accorded to a CPD Activity.




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BEM CIRC. 002, ITEM 5.

An acceptable CPD Activity shall therefore fulfil at least the following objectives:

- a) to maintain engineering and technical knowledge and skills to perform an engineering job competently.
- b) to stay abreast with engineering developments, advancement and innovations in the relevant field of engineering practice as well as in general engineering knowledge.
- c) to keep up-to-date with changes in engineering codes, regulations and guidelines.





BEM Circular No. 002
Continuing Professional Development (CPD) Requirements

5 Types of CPD Activity:






Category 1	:	Formal Education
Category 2(a)	:	On Job Learning
Category 2 (b)	:	Private Study
Category 3	:	Conference and Technical Training
Category 4	:	Presentation or Publication of Papers
Category 5	:	Engineering Service Activities

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CATEGORY 1: FORMAL EDUCATION








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CATEGORY 1: FORMAL EDUCATION

- *Engineering or related studies leading to the award of a certificate, diploma, degree or higher degree with a formal assessment process and recognized by BEM or Malaysian Qualifications Agency (MQA).*



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CATEGORY 1: FORMAL EDUCATION

- Formal education and training means full time, part time or long distance formal programmes and training courses leading to a formal qualification such as Postgraduate, diploma, Master or PhD degrees, professional certificates and competency certification.
- A format assessment such as test, examination, dissertation or thesis is envisaged at the end of the education and training programmes.
- Diploma, Master, PhD Program – time claimed can include actual hours of lectures and/or research undertaken

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CATEGORY 2A: ON JOB LEARNING




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CATEGORY 2A: ON JOB LEARNING

- Engineering or related understudy (taking new role – temporary or permanent) and learning from a subject matter expert or equivalent, so as to be able to perform new engineering tasks.



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CATEGORY 2A: ON JOB LEARNING

- On the job learning – workplace requirement e.g. AUTOCAD software, new machine, product briefing, etc.

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CATEGORY 2B: PRIVATE STUDY




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CATEGORY 2B: PRIVATE STUDY



- Self-study of engineering or related reading materials with the aim of increasing knowledge, capability, revision and competency.

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CATEGORY 2B: PRIVATE STUDY

- Reading Books, journal, manual
- Familiarisation with the operation of technological aids, computer programs, equipment etc.
- Watching videos on engineering or engineering related matters


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CATEGORY 3: CONFERENCE AND TECHNICAL TRAINING




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CATEGORY 3: CONFERENCE AND TECHNICAL TRAINING


- *The attendance and participation of a Registered PEPC, PE or IOW in engineering conferences, seminars, workshop, forums and similar technical gatherings and trainings which provide the environment to gain insight and knowledge as well as be abreast with engineering development.*

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CATEGORY 3: CONFERENCE AND TECHNICAL TRAINING

- Attending seminars, conferences, symposiums, meetings, and talks on engineering, management, corporate governance, engineering management,, accountancy principles, contract laws (non-engineering subjects are accepted as it is considered as job related purpose and important to enhance the competency of an engineer).
- Inspection – Technical visits, site visits etc., not in the normal course of duty as consultants or employees.
- Attending cross boundary discipline's seminar e.g. Civil engineer attend M&E Conferences, Electrical engineer attends training on Civil engineering.



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CATEGORY 4: PRESENTATION OR PUBLICATION OF PAPERS




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CATEGORY 4: PRESENTATION OR PUBLICATION OF PAPERS



- Presentation of **research based or case study papers** in engineering or related areas in a conference, seminar or similar activities.
- Publication of **research based or case study papers** in engineering or related areas in **refereed journal.**


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CATEGORY 4: PRESENTATION OR PUBLICATION OF PAPERS - PRESENTATION

- Preparation of material for courses, references, seminars, and symposiums
- Papers based on literature reviews are not under this category (under Cat. 5)
- Repeat presentation/publication of the same or similar already presented paper shall be claimed under Cat. 5

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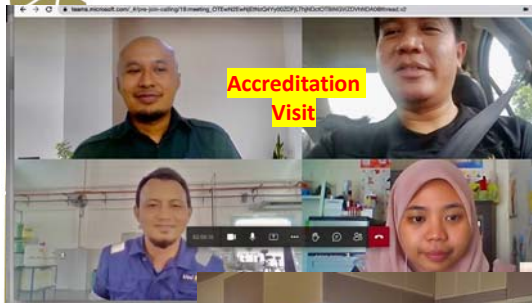


CATEGORY 4: PRESENTATION OR PUBLICATION OF PAPERS - PUBLICATION

- Publication of research based or case study papers in engineering or related areas in peer-reviewed or refereed journal
 - e.g.
 - Journal of Engineering Science and Technology
 - Journal of Management in Engineering – ASCE
 - Jurnal Teknologi (Sciences and Engineering)
 - Journal of Science and Technology in the Tropics

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CATEGORY 5: ENGINEERING SERVICE ACTIVITIES



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CATEGORY 5: ENGINEERING SERVICE ACTIVITIES



- Engineering or related activities performed in the course of contributing to and promoting the engineering profession such as giving talks, serving on committees, participating in engineering programme accreditation, becoming a mentor to graduate engineers or intern inspectors of works, and serving as an industry adviser to an institution of learning.


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Category 5: Engineering Service Activities



- Service to the profession
- Member of Engineering Programmes accreditation panel
- Participation in CPD Audits
- Review of technical papers prior to publication
- Serving BEM, IEM Committees, Other Professional Institutions, national committees, technical societies
- Preparation of draft, papers, minutes of meeting related to engineering and national interest
- Arbitrators (unless your job is Arbitrator)
- Expert Witness (unless your job is Expert Witness)
- Teaching Program course at IPTA/IPTS (as long as it is voluntary job)
- Examiner for Professional Assessment Exams/Profesional Interview
- Preparation of PTK Papers (voluntary basis; not salaried for)
- Conduct in-house training under voluntary basis
- Mentor (voluntary)
- Organising national conference (Voluntary)
- Organising field trips (voluntary)

ANNUAL CPD REQUIREMENTS FOR PEPC




To renew the annual Certificate of Registration;

PEPC

- 50 CPD Hours per year/ 150 CPD Hours for rolling three (3) consecutive years

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REGISTERED PROFESSIONAL ENGINEERS WITH PRACTICING CERTIFICATES (PEPC)

Item 11.

- In the event that a Registered PEPC in his application for the renewal of the annual Certificate of Registration, fails to meet the required number of CPD Hours over three (3) consecutive rolling years shall be renewed at the sole discretion of the BEM.*

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ANNUAL CPD REQUIREMENTS FOR PE

To renew the annual Certificate of Registration;

PE

- 25 CPD hours per year/ 75 CPD Hours for rolling three (3) consecutive years

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REGISTERED PROFESSIONAL ENGINEERS (PE)

Item 12. b)

- *CPD Hours required by a PE shall be an annual average of 25 CPD Hours over three (3) rolling consecutive years; or any other quantity as may be prescribed by the BEM from time to time.*

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REGISTERED PROFESSIONAL ENGINEERS (PE)

Item 14.


- *The weightage and the allowable maximum CPD Hours for each of the recognized CPD Activities stated in Para 13 are given in the table below:*

CATEGORY OF CPD ACTIVITY		TIME WEIGHTED FACTOR	MAX CPD HOURS*
1	Formal Education	2	No limit
2 (a)	On Job Learning	1	Maximum 10
2 (a)	Private Study	0.5	Maximum 5
3	Conference and Technical Training	1	No limit
4	Presentation or Publication of Papers Note: 1 paper/presentation = 1 Hour	10	Maximum 20
5	Engineering Service Activities	1	Maximum 15

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REGISTERED PROFESSIONAL ENGINEERS (PE)



Item 17.

- *In the event that a Registered PE in his application for the renewal of the annual Certificate of Registration, fails to meet the required number of CPD Hours over three (3) consecutive rolling years shall be renewed at the sole discretion of the BEM.*

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TRIENNIAL CPD REQUIREMENTS FOR IOW




To renew the triennial Certificate of Registration:

IOW

- 30 CPD hours for every three (3) years

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REGISTERED INSPECTORS OF WORKS (IOW)

Item 18. b)

- The triennial CPD Hours required to be obtained by a Registered IOW shall be 30 CPD Hours; or any other quantity as may be prescribed by the BEM from time to time.*

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REGISTERED INSPECTORS OF WORKS (IOW)

Item 20.

- The weightage and the allowable maximum CPD Hours for each of the recognized CPD Activities stated in Para 19 are given in the table below:*

	CATEGORY OF CPD ACTIVITY	TIME WEIGHTED FACTOR	MAX CPD HOURS*
1	Formal Education	2	No limit
2 (a)	On Job Learning	1	Maximum 10
2 (a)	Private Study	0.5	Maximum 5
3	Conference and Technical Training	1	No limit
4	Presentation or Publication of Papers Note: 1 paper/presentation = 1 Hour	10	Maximum 20
5	Engineering Service Activities	1	Maximum 15

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REGISTERED INSPECTORS OF WORKS (IOW)

Item 23 in Circ. 002:

At the sole discretion of the BEM, a Registered IOW who in his/her application for the renewal of the triennial Certificate of Registration, has failed to submit to the BEM a CPD Programme with the required minimum of 30 CPD Hours, may be allowed to continue to be registered subject to strict remedial actions as follows:

a) His/her having already obtained at least 15 CPD Hours at the point of making the application;

b) Having obtained at least 15 CPD Hours in the first year of being allowed to continue to be registered;

c) Having obtained a minimum of 45 CPD Hours (inclusive of the 15 CPD Hours mentioned in item b. above) when the next application of renewal of registration is submitted to the BEM.

failing which may cause the refusal by the BEM of the said application for renewal.

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CPD REQUIREMENTS FOR PEPC, PE AND IOW
AGED 65 AND ABOVE (REV. NO. 2 – DATED I9.3.2024)

ITEM 25

Registered PEPC, PE, and IOW who have reached the age of 65 years old for the current year, for the purpose of renewal for the following year are required to fulfil only half (1/2) of the CPD Requirements as follows:

Registered PEPC

:

An annual average of 25 CPD Hours with a total minimum accumulated 75 CPD Hours over three (3) rolling consecutive years.

Registered PE

:

An annual average of 13 CPD Hours with a total minimum accumulated 39 CPD Hours over three (3) rolling consecutive years.

Registered IOW

:

A total of 15 CPD hours to be acquired over every triennial (3) years.

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THANK YOU

BOARD OF ENGINEERS MALAYSIA
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<http://www.bem.org.my>
enquiry@bem.org.my or complaint@bem.org.my
Tel: 03-26912090; Fax: 03-26925017



HOW TO FILL UP THE FORM FOR CPD



Create CPD Activity

CATEGORY I

1. FORMAL EDUCATION

Engineering or related studies leading to the award of a certificate, diploma, degree or higher degree with a formal assessment process and recognized by BEM or Malaysian Qualifications Agency (MQA).

Note: 1 Contact Hour = 1 CPD Hour

*Qualification

PhD

*Institution of Higher Learning

University of Wisconsin, Madison, USA

*Title of Program

The Degree of Doctor of Philosophy

Research degree in Geotechnical Engineering

Result / CGPA

None

← Back

✓ Save

↻ Save And Create Another

21

HOW TO FILL UP THE FORM FOR CPD

CATEGORY I

*Start Date

January

▼

2024

*End Date

December

▼

2024

*Contact Hour / CPD Hour

-

240

+

How to Calculate?

Authentication Documents (if any)

Choose File

No file chosen

Disclaimer

1 for new update.

HOW TO FILL UP THE FORM FOR CPD

CATEGORY 2A

2A. ON JOB LEARNING

Engineering or related understudy and learning from a subject matter expert or equivalent, so as to be able to perform new engineering tasks.

Note: 1 Contact Hour = 1 CPD Hour

*Subject Matter Expert

Ir. A Bin C

*CPD Activity

Using BIM software X

Training Description

Learn to use and apply BIM using Software X

*Start Date

30 September 2024 09:00 AM

☐ Check if 1 (One) day event only

*End Date

2 October 2024 05:00 PM

*Contact Hour / CPD Hour

-

18

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Supporting Document (if any)

Choose File

No file chosen

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HOW TO FILL UP THE FORM FOR CPD

2B. PRIVATE STUDY

Self-study of engineering or related reading materials with the aim of increasing knowledge, capability and competency.

Note: 1 Contact Hour = 1 CPD Hour

CATEGORY 2B

*Publisher

BEM OR BOARD OF ENGINEERS MALAY

*Reading Material

Agriculture Eng. or Vol99 July-September24

Author

BEM

*Start Date

12 October 2024 10:00 AM

☐ Check if 1 (One) day event only

*End Date

13 October 2024 07:00 PM

*Contact Hour / CPD Hour

-

6

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HOW TO FILL UP THE FORM FOR CPD

3. CONFERENCE AND TECHNICAL TRAINING

The attendance and participation of a Registered PEPC, PE or IOW in engineering conferences, seminars, workshop, forums and similar technical gatherings and trainings which provide the environment to gain insight and knowledge as well as be abreast with engineering development.

CATEGORY 3

*Organizer

BEM

*CPD Activity

BEM ROADSHOW KUCHING 2024

Venue

WATERFRONT HOTEL, KUCHING

*Start Date

13 November 2024 09:00 AM

☐ Check if 1 (One) day event only

*End Date

14 November 2024 05:00 PM

*Contact Hour / CPD Hour

-

12

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HOW TO FILL UP THE FORM FOR CPD

CATEGORY 4

Create CPD Activity

← Back

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4. PRESENTATION OR PUBLICATION OF PAPERS

Presentation of research based or case study papers in engineering or related areas in a conference, seminar or similar activities.

Publication of research based or case study papers in engineering or related areas in refereed journal.

Note: 1 Paper/Presentation = 1 CPD Hour

*Presentation Title

weathering rate of granitic layer in Malaysia

*Start Date

1 November 2024 12:00 AM

☒ Check if 1 (One) day event only

*End Date

End Date

*Contact Hour / CPD Hour

-

1

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HOW TO FILL UP THE FORM FOR CPD

CATEGORY 4

Create CPD Activity

← Back

✓ Save

🔄 Save And Create Another

4. PRESENTATION OR PUBLICATION OF PAPERS

Presentation of research based or case study papers in engineering or related areas in a conference, seminar or similar activities.

Publication of research based or case study papers in engineering or related areas in refereed journal.

Note: 1 Paper/Presentation = 1 CPD Hour

*Presentation Title

Retaining Wall Failure in SMK Kapit.

*Start Date

12 November 2024 11:00 AM

☒ Check if 1 (One) day event only

*End Date

End Date

*Contact Hour / CPD Hour

-

1

+

24

CATEGORY 5

5. ENGINEERING SERVICE ACTIVITIES

Engineering or related activities performed in the course of contributing to and promoting the engineering profession such as giving talks, serving on committees, participating in engineering programme accreditation, becoming a mentor to graduate engineers or intern inspectors of works, and serving as an industry adviser to an institution of learning.

Note: 1 Contact Hour = 1 CPD Hour

HOW TO FILL UP THE FORM FOR CPD

BEM

ENGINEERING

*CPD Activity

BEM E&Q Meeting

Brief Description

BEM, Examination and Qualification Committee meeting no. 3, 2024

*Start Date

13 November 2024 09:00 AM

☒

 Check if 1 (One) day event only

*End Date

End Date

*Contact Hour / CPD Hour

-

3

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