

اۆتوريتي كاؤلن باغونن دان ايندوستري قمينان

AUTORITI KAWALAN BANGUNAN DAN INDUSTRI PEMBINAAN (ABCi)



# BRIEFING ON ACCREDITED CHECKER

ABCi, Ministry of Development

20<sup>th</sup> May 2021

اؤتوريتي كاوون باغونن دان ايندوستري قمينان

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## AGENDA

- Registration of Accredited Checkers
- Accredited Checkers Duties and Responsibilities
- Available Courses Related to Accredited Checkers
- Important Dates
- Technical Briefing by YAM Pengiran Indera Wijaya Pengiran Dr. Haji Ismail bin Pengiran Haji Damit

## Introduction to Accredited Checkers

- As a requirement under Building Control Order, 2014
- Objective
  - Check detailed **structural plans and design calculations** of the building works according to building regulations and guidelines.

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## Registration

### Accredited Checker (AC)

Registered PE

Sole Proprietor

May undertake project of less than BND 10M

### Accredited Checking Organisation (ACO)

Registered PE

Partnership or Company with more than one registered AC

No limit on project value

## Registration Guideline

- Registration is valid for one (01) year and to be renewed annually.
- Minimum of 10 years of practicing with chartered status and Practising Certificate under Board of Architects, Professional Engineers and Quantity Surveyors (BAPEQS) subject to the approval of the review panel.
- Registration may be revoke if there are sufficient proof of technical incompetency, negligence, or failure to comply to all or any of the regulations and guidelines
- Fees payable

<b>Assessment</b> (should be made latest by two (02) weeks prior to assessment)	\$400
<b>Registration and Renewal</b> (should be made within two (02) weeks of receiving approval letters)	\$300

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## Registration Procedure

Application  
Form  
Submission

Application  
review by  
panel members

1<sup>st</sup> Assessment  
Interview  
session

2<sup>nd</sup> Assessment  
Written  
Examination

Application  
results

## AC Guidelines

- Only accept and perform work for project that they have necessary experience and competency related to the nature and scope of project.
- Checking process solely done by the checker themselves and not to be assigned to any other engineers.
- Should some or parts of the design require technical specialist for assistance, the AC must first seek prior approval from the Authority. This must be justified and the details of the specialist must be stated in the proposal. The Authority have the rights to approve or reject the request.
- No projects shall be taken if there is financial or professional interest on the project.
- Project owner or consultant shall bear the cost of the checking of the project.

## Responsibilities of AC

- Evaluate, analyse and review the structural design in the plans of any building works and perform calculations to determine the adequacy of the key structural elements of the building works to be erected or affected by building works carried out in accordance with those plans;
- Verify that key structural elements are consistent with the layouts shown in the architectural plans and any amendments made;
- Submit Certificate of Adequacy and an evaluation report including the analysis and calculations performed by the Accredited Checker.

## Duties of AC

- Determine and use the Code of Practice adopted in the preparation of the structural design in the plans of building works;
- Check the design loadings and where applicable, wind loading;
- Ascertain design assumptions and limitations of the computer program used in the analysis of the structural design;
- Use the appropriate engineering information and model in the analysis for the structural design;
- Check the standard and specifications of materials to be used in the building works;
- Ascertain the structural design concept and identify the key structural elements;
- Determine the stability and robustness of the structural system of the structural system,
- Analyse all
  - key structural elements and foundation systems of the buildings
  - piles used in the foundations,
  - earth retaining structures,
  - columns and vertical key structural elements,
  - long span steel trusses and long span beams,
  - transfer beams,
  - joint connections;
- Check the structural detailing in drawings and ensure that these are consistent with the design calculations;
- Determine the adequacy of other aspects of the design which are essential to the structural integrity of the building.

## Available Courses Related to Accredited Checkers

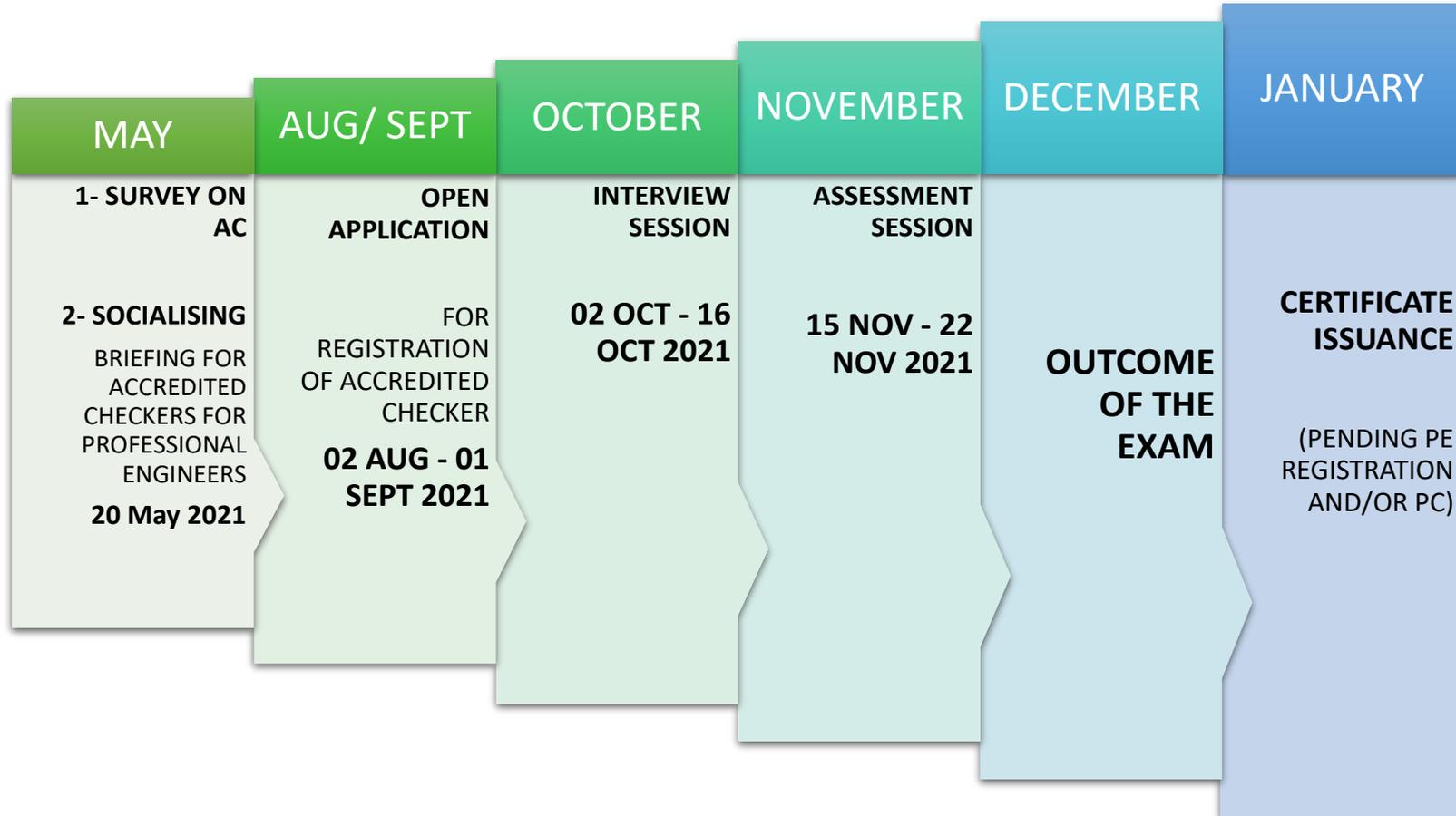
- Fundamentals of Structural Analysis and Design
  - Organised by UTB and PUJA (B) Academy Sdn Bhd
  - Course Code: PUJA01
- Fundamentals of Geotechnics
  - Organised by UTB and PUJA (B) Academy Sdn Bhd
  - Course Code: PUJA02

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## Important Dates



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# Technical Requirements

Becoming an Accredited Checker

By YAM Pengiran Indera Wijaya Pengiran Dr. Haji Ismail  
bin Pengiran Haji Damit

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Q & A