

اۆتوريتي كاوون باغونن دان ايندوستري قمينان

AUTORITI KAWALAN BANGUNAN DAN INDUSTRI PEMBINAAN (ABCi)



2nd BRIEFING ON ACCREDITED CHECKER

ABCi, Ministry of Development

3rd July 2019

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Agenda

- Registration of Accredited Checkers
- Accredited Checkers Duties and Responsibilities
- Important Dates
- Additional Preparation Sessions
- Question and Answer

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.
 - Applicable for developments that requires certificate from accredited checker. Refer to Fourth Schedule of Building Control Regulation, 2014 – Minor Building Works Not Requiring Certificate of Accredited Checker.

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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

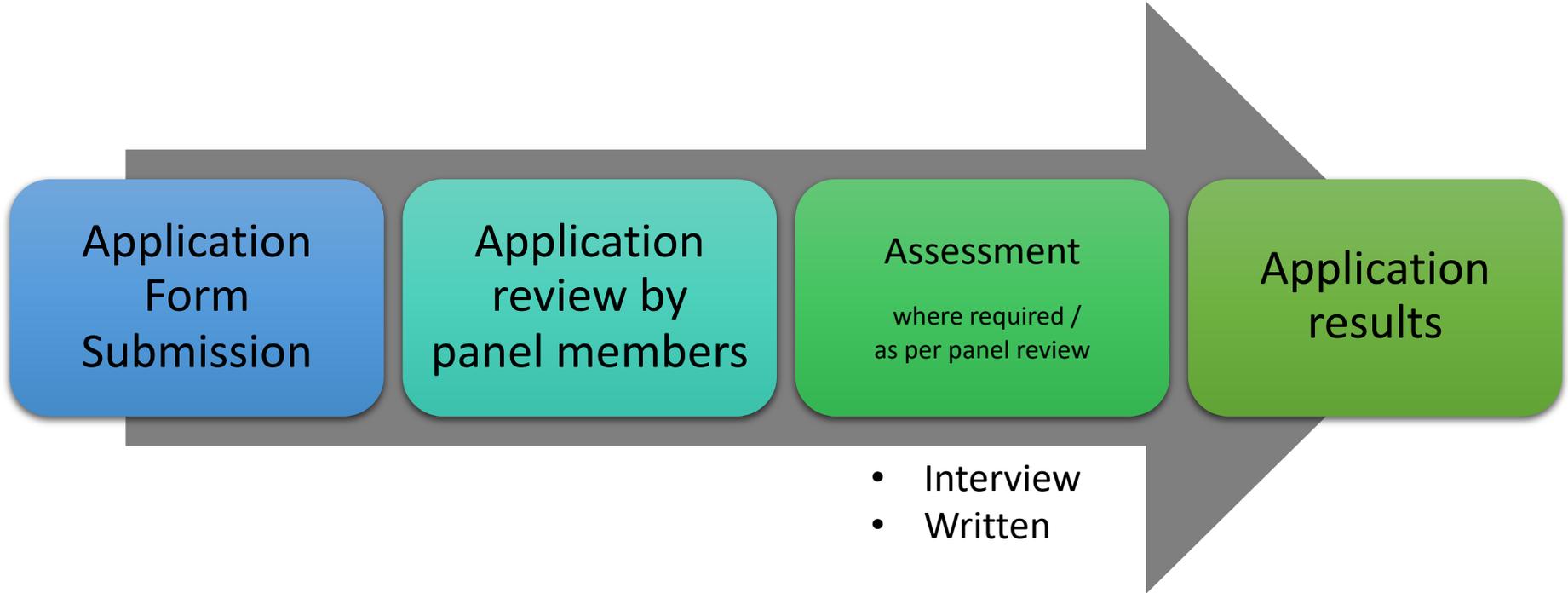
Registration Guideline

- Registration is on **annual** basis.
- Minimum of 10 years of practicing with charteredship status, 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:

Registration and renewal	\$300
Assessment	\$400

Written Assessment is valid for a term of **3 years**.

Registration Procedure



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 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

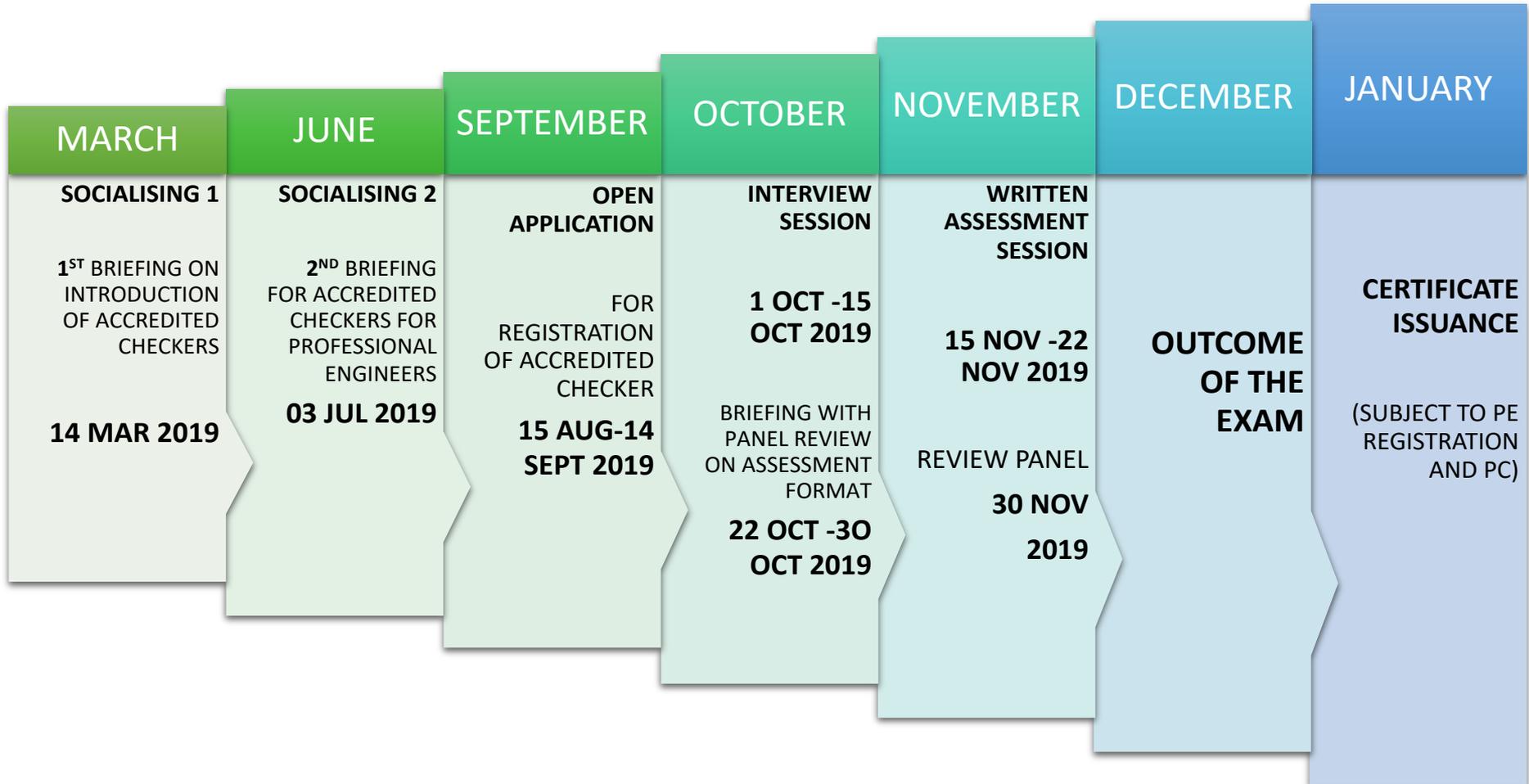
- Determine and use the Code of Practice adopted in the preparation of the structural design in the plans of building works;
- Check the design loadings and where applicable, wind loading;
- Ascertain design assumptions and limitations of the computer program used in the analysis of the structural design;
- 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.

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Important Dates



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Additional Preparation Session

Tuesdays, 3.00pm – 4.00pm

PEs applying for AC are recommended to prepare on their own beforehand to ask questions during these sessions.

23rd July 2019

30th July 2019

*proposed dates are subject to change

Details of the preparation session will be emailed accordingly. PEs are also welcomed to raise their topics of concerns to the secretariat before the session.

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Q & A