

**Building Control (Accredited Checkers and Accredited Checking Organisations)
(Amendment No. 2) Regulations 2008**

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No. S 249

**BUILDING CONTROL ACT
(CHAPTER 29)**

**BUILDING CONTROL (ACCREDITED CHECKERS AND ACCREDITED
CHECKING ORGANISATIONS) (AMENDMENT NO. 2) REGULATIONS 2008**

In exercise of the powers conferred by section 49 of the Building Control Act, the Minister for National Development hereby makes the following Regulations:

Citation and commencement

1.—(1) These Regulations may be cited as the Building Control (Accredited Checkers and Accredited Checking Organisations) (Amendment No. 2) Regulations 2008 and shall, with the exception of regulation 2, come into operation on 1st October 2008.

(2) Regulation 2 shall come into operation on 5th May 2008.

Amendment of regulation 3A

2. Regulation 3A(1) of the Building Control (Accredited Checkers and Accredited Checking Organisations) Regulations (Rg 2) (referred to in these Regulations as the principal Regulations) is amended by deleting paragraph (b) and substituting the following paragraph:

“(b) he has —

- (i) after registration as a professional engineer under the Professional Engineers Act, practical experience in civil or structural engineering at a professional level for a period of not less than 10 years, of which at least 5 years shall be in geotechnical engineering in Singapore; or
- (ii) practical experience in civil or structural engineering for a period of not less than 15 years, of which at least 5 years shall be in geotechnical engineering at a professional level in Singapore after registration as a professional engineer under the Professional Engineers Act;”.

Amendment of regulation 7A

3. Regulation 7A of the principal Regulations is amended by inserting, immediately after paragraph (1), the following paragraph:

“(1A) Without prejudice to paragraph (1), a specialist accredited checker shall in relation to any plans of underground building works carry out the tasks set out in the Third Schedule.”.

Amendment of regulation 10

4. The principal Regulations are amended by renumbering regulation 10 as paragraph (1) of that regulation, and by inserting immediately thereafter the following paragraph:

“(2) For the purposes of section 17(1)(g) of the Act, a specialist accredited checker shall be regarded as failing to meet the prescribed standards of performance for that section if he fails, in relation to the geotechnical aspects of any underground building works, to carry out the tasks set out in the Third Schedule.”.

New Third Schedule

5. The principal Regulations are amended by inserting, immediately after the Second Schedule, the following Schedule:

“THIRD SCHEDULE

Regulations 7A(1A) and 10(2)

TASKS THAT MUST BE CARRIED OUT BY SPECIALIST ACCREDITED CHECKERS

The specialist accredited checker in relation to the geotechnical aspects of any underground building works shall —

- (a) in respect of any excavation or other building works to construct a tunnel with a diameter, width or height of more than 2 metres —
 - (i) review the adequacy of the site investigation, namely type, extent (which shall include quantity, location and depth) and laboratory tests results relating to the design and construction of the tunnel;
 - (ii) review the site investigation results and the geotechnical parameters for the design, taking into consideration onerous water conditions, seepage pressures, surcharge, earth, water, construction and accidental loadings;
 - (iii) review the method or model adopted for the analysis and design including the consideration of drained, undrained and consolidation analyses, and appropriate drainage conditions;
 - (iv) review the suitability of tunnelling methods, sequence of construction and tunnel support systems (including face pressures and ground support systems) to be applied;
 - (v) review allowable limits of ground deformation and changes in groundwater and piezometric levels, and measures to control groundwater where required;
 - (vi) review the stability of excavation and ground stabilisation or improvement works as appropriate;
 - (vii) review soil or rock reinforcement, where applicable, including the consideration of the structural and geotechnical capacity;
 - (viii) review the adequacy of instrumentation and monitoring of geotechnical engineering parameters (such as tunnel face pressures, pore pressures, water table level, ground deformation and stresses), including the consideration of location, type and number of instruments, and frequency of monitoring and reporting; and
 - (ix) review the instrumentation and monitoring results, and performance, and ground conditions at the site to ensure that there is no inadequacy in the