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**No. S 768**

PROFESSIONAL ENGINEERS ACT  
(CHAPTER 253)

PROFESSIONAL ENGINEERS  
(APPROVED QUALIFICATIONS)  
NOTIFICATION 2005

ARRANGEMENT OF PARAGRAPHS

Paragraph

1. Citation and commencement
  2. Approved qualifications
  3. Qualifications from universities not specified in Schedule
  4. Cancellation
- The Schedule
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In exercise of the powers conferred by section 15 (1) (a) of the Professional Engineers Act, the Minister for National Development, after consultation with the Professional Engineers Board, hereby makes the following Notification:

**Citation and commencement**

**1.** This Notification may be cited as the Professional Engineers (Approved Qualifications) Notification 2005 and shall come into operation on 1st December 2005.

**Approved qualifications**

**2.—(1)** Subject to sub-paragraph (2), any qualification specified in the Schedule shall be an approved qualification for the purposes of section 15 (1) (a) of the Act.

(2) The qualification specified in the Schedule shall be an approved qualification only if the following conditions are satisfied:

- (a) the qualification is awarded upon graduation after the completion of a 4-year full-time engineering programme or

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an equivalent of such programme as may be approved by the Board;

- (b) at least one-half of the total modular credits or academic units required for graduation in the engineering programme has been obtained through on-campus study; and
- (c) if the qualification has been obtained partly on account of advanced standing credits awarded for any other qualification —
  - (i) that other qualification must be approved by the Board; and
  - (ii) the advanced standing credits must not exceed one-half of the total modular credits or academic units required for graduation in the engineering programme for that qualification.

(3) The qualifications specified in the third column of Part I of the Schedule shall be in respect of the branch or branches of engineering specified in relation thereto in the fourth column.

(4) In this paragraph, “on-campus study” means attendance on the home campus of the university, college or institution that awards that qualification and —

- (a) includes attendance by way of a student exchange programme on the home campus of another university, college or institution named in Part I or alluded to in Part II or III of the Schedule or on such other campus as may be approved by the Board; but
- (b) does not include any study through —
  - (i) a distance learning programme; or
  - (ii) a twinning programme conducted wholly or partly by a university, college or institution that is not named in Part I or alluded to in Part II or III of the Schedule, unless such twinning programme is approved by the Board.

### **Qualifications from universities not specified in Schedule**

3. Where a person holds a qualification in any branch of engineering prescribed under section 10 (8) of the Act from a university, college or institution that is not specified in the Schedule, the Board may consider him for registration as a professional engineer if he has, in addition to

that qualification, the degree of Doctor of Philosophy (PhD) in that branch of engineering from a university, college or institution specified in the Schedule.

### **Cancellation**

4. The Professional Engineers (Approved Qualifications) Notification (N 1) is cancelled.

#### THE SCHEDULE

Paragraphs 2 and 3

#### PART I

<i>First column</i>	<i>Second column</i>	<i>Third column</i>	<i>Fourth column</i>
<i>Country</i>	<i>University, College or Institution</i>	<i>Qualification</i>	<i>Branch of Engineering</i>
<b>AUSTRALIA</b>	University of Adelaide	BE	Civil Electrical & Electronic Mechanical
	Curtin University of Technology	BE	Civil & Construction Electrical Mechanical
	James Cook University of North Queensland	BE	Civil Electrical
	University of Melbourne	BE	Civil Electrical Mechanical & Manufacturing
	University of New South Wales	BE	Civil Electrical Mechanical
	Monash University (Clayton Campus)	BE	Civil Electrical Mechanical
	University of Newcastle	BE	Civil Electrical Mechanical
	University of Queensland	BE	Civil Electrical Mechanical
	Queensland University of Technology (QUT)	BE	Civil Electrical Electrical and Computer Engineering Mechanical

THE SCHEDULE — *continued*

<i>First column</i>	<i>Second column</i>	<i>Third column</i>	<i>Fourth column</i>
<i>Country</i>	<i>University, College or Institution</i>	<i>Qualification</i>	<i>Branch of Engineering</i>
	Royal Melbourne Institute of Technology	BE	Civil Electrical Mechanical
	University of Sydney	BE	Civil Electrical Mechanical
	University of South Australia	BE	Civil Electrical Mechanical Mechanical (Manufacturing option)
	University of Western Australia	BE	Civil Electrical & Electronic Mechanical
	University of Wollongong	BE	Civil Mechanical Electrical
<b>BELGIUM</b>	Katholieke Universiteit Leuven	Burgerlijk Bouwkundig	Civil Electrical Mechanical
		Burgerlijk Electrotechnisch- Werktuigkundig Ingenieur-richting mechanica	
	Universiteit Gent	Burgerlijk Bouwkundig Burgerlijk Electrotechnisch- Werktuigkundig Ingenieur-richting mechanica	Civil Electrical Mechanical
		Burgerlijk elektrotechnisch Ingenieur	
	Vrije Universiteit Brussel	Burgerlijk Bouwkundig Burgerlijk	Civil Electrical Mechanical

THE SCHEDULE — *continued*

<i>First column</i> <i>Country</i>	<i>Second column</i> <i>University, College or Institution</i>	<i>Third column</i> <i>Qualification</i>	<i>Fourth column</i> <i>Branch of Engineering</i>
		Electrotechnisch- Werktuigkundig Ingenieur-richting mechanica	
		Burgerlijk elektrotechnisch Ingenieur	
<b>CANADA</b>	University of Alberta	BSc(Eng)	Civil Electrical Mechanical
	University of British Columbia	BA Sc(Eng)	Civil Electrical Mechanical
	University of Calgary	BSc(Eng)	Civil Electrical Mechanical
	Carleton University	BE	Civil Electrical Mechanical
	Concordia University	BE	Civil Electrical Mechanical
	Dalhousie University (formerly Technical University of Nova Scotia)	BE	Civil Electrical Mechanical
	Ecole Polytechnique	BSc A	Civil Electrical Mechanical
	Lakehead University	BE	Civil Electrical Mechanical
	Universite Laval	BSc A	Civil Electrical Mechanical
	McGill University	BE	Civil Electrical Mechanical
	McMaster University	BE	Civil Electrical Mechanical
	University of Manitoba	BSc	Civil Electrical Mechanical

THE SCHEDULE — *continued*

<i>First column</i> Country	<i>Second column</i> University, College or Institution	<i>Third column</i> Qualification	<i>Fourth column</i> Branch of Engineering
	Memorial University of Newfoundland	BE	Civil Electrical Mechanical
	University of New Brunswick	BSc E	Civil Electrical Mechanical
	University of Ottawa	BA Sc	Civil Electrical Mechanical
	Queen's University of Kingston	BSc(Eng)	Civil Electrical Mechanical
	Royal Military College of Canada Kingston, Ontario	BE	Civil Electrical Mechanical
	University of Saskatchewan	BE	Civil Electrical Mechanical
	University of Sherbrooke	BSc A	Civil Electrical Mechanical
	University of Toronto	BA Sc	Civil Electrical Mechanical
	University of Victoria	B.Eng	Electrical Mechanical
	University of Waterloo	BA Sc	Civil Electrical Mechanical
	University of Western Ontario	BE Sc	Civil Electrical Mechanical
	University of Windsor	BA Sc	Civil Electrical Mechanical
<b>GERMANY</b>	Rheinisch- Wesfatlische Technische Hochschule Aachen	Dipl-Ing	Civil Electrical Mechanical
	Technische Universitat Berlin	Dipl-Ing	Civil Electrical
	Technische Universitat Carola- Wilhelmina Zu Braunschweig	Dipl-Ing	Civil Electrical

THE SCHEDULE — *continued*

<i>First column</i> <i>Country</i>	<i>Second column</i> <i>University, College or Institution</i>	<i>Third column</i> <i>Qualification</i>	<i>Fourth column</i> <i>Branch of Engineering</i>
	Technische Universität Darmstadt	Dipl-Ing	Civil Electrical Mechanical
	Technische Universität München	Dipl-Ing	Civil Electrical Mechanical
	Universität Stuttgart	Dipl-Ing	Civil Electrical Mechanical
<b>HOLLAND</b>	Technische Universiteit Delft	Ingenier (Ir)	Civil Electrical Mechanical
	Technische Universiteit Eindhoven	Ingenier (Ir)	Electrical Mechanical
	Universiteit Twente	Ingenier (Ir)	Electrical Mechanical
<b>HONG KONG</b> Special Administrative Region, Peoples' Republic of China	University of Hong Kong	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical
<b>IRELAND</b>	Dublin University	BA I	Civil Electrical Mechanical
<b>JAPAN</b>	Chiba University	BE	Electrical Mechanical
	Hiroshima University	BE	Electrical Mechanical
	Hokkaido University	BE	Civil Electrical Mechanical
	Kobe University	BE	Civil Electrical Mechanical
	Kyoto University	BE	Civil Electrical Mechanical
	Kyushu University	BE	Civil Electrical Mechanical
	Nagoya University	BE	Civil Electrical Mechanical

THE SCHEDULE — *continued*

<i>First column</i>	<i>Second column</i>	<i>Third column</i>	<i>Fourth column</i>
<i>Country</i>	<i>University, College or Institution</i>	<i>Qualification</i>	<i>Branch of Engineering</i>
	Osaka University	BE	Civil Electrical Mechanical
	Tohoku University	BE	Civil Electrical Mechanical
	Tokyo University	BE	Civil Electrical Mechanical
	Tokyo Institute of Technology	BE	Civil Electrical Mechanical
	Yokohama National University	BE	Civil Electrical Mechanical
<b>MALAYSIA</b>	University of Malaya	BE	Civil Electrical Mechanical
<b>NEW ZEALAND</b>	University of Auckland	BE	Civil Electrical Mechanical
	University of Canterbury	BE	Civil Electrical & Electronic Mechanical
<b>REPUBLIC OF KOREA</b>	Seoul National University	BSc (Engineering)	Civil
	Hanyang University	BSc (Engineering)	Civil
	Yonsei University	BSc (Engineering)	Civil
	Korea University	BSc (Engineering)	Civil
	Kyungpook National University	BSc (Engineering)	Civil
	Pusan National University	BEng	Civil
<b>SINGAPORE</b>	National University of Singapore	BEng	Civil Electrical Mechanical
		B. Tech	Mechanical
	Nanyang Techno- logical University	BEng	Civil Electrical Mechanical
<b>SWEDEN</b>	Chalmers University of Technology	Civilingenjor	Civil & Structural Electrical Mechanical



THE SCHEDULE — *continued*

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<i>Country</i>	<i>University, College or Institution</i>	<i>Qualification</i>	<i>Branch of Engineering</i>
	The Royal Institute of Technology	Civilingenjor	Civil & Structural Electrical Mechanical
	Lund Institute of Technology	Civilingenjor	Civil & Structural Electrical Mechanical
<b>SWITZERLAND</b>	Ecole Polytechnique Federale de Zurich/Swiss Federal Institute of Technology Zurich	Dipl. Ing	Electrical & Electronic Mechanical
	Eidgenoissische Technische Hochschule Lausanne/Swiss Federal Institute of Technology Lausanne	Dipl. Ing	Civil Electrical Mechanical
<b>UNITED KINGDOM</b>	University of Aberdeen	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	University of Aston in Birmingham	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	University of Bath	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	Queen's University of Belfast	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	University of Birmingham	BEng (Hons) or M.Eng	Civil Electronic & Electrical Mechanical
	University of Bradford	BEng (Hons) or M.Eng	Civil & Structural Electrical & Electronic Mechanical
	University of Bristol	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical

THE SCHEDULE — *continued*

<i>First column</i>	<i>Second column</i>	<i>Third column</i>	<i>Fourth column</i>
<i>Country</i>	<i>University, College or Institution</i>	<i>Qualification</i>	<i>Branch of Engineering</i>
	Brunel University	BEng (Hons) or M.Eng	Electrical & Electronic Mechanical
	University of Cambridge	BA/M.Eng	Electrical & Information Sciences Engineering Tripos (Part IB & Part II options in Civil & Structural Engineering) Engineering Tripos (Parts IA, IB & II)
	City University	BEng (Hons) or M.Eng	Civil Mechanical Electrical & Electronic
	Coventry University	BEng (First Class Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	University of Durham	BEng (Hons) or M.Eng	Civil Electrical Mechanical
	University of Dundee	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	University of Edinburgh	BEng (Hons) or M.Eng	Civil Electronics & Electrical Mechanical
	University of Exeter	BEng (Hons) or M.Eng	Civil Mechanical
	University of Glasgow	BEng (Hons) or M.Eng	Civil Electronics & Electrical Mechanical
	University of Greenwich	BEng (First Class Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	Heriot-Watt University	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical

THE SCHEDULE — *continued*

<i>First column</i> <i>Country</i>	<i>Second column</i> <i>University, College or Institution</i>	<i>Third column</i> <i>Qualification</i>	<i>Fourth column</i> <i>Branch of Engineering</i>
	University of Hertfordshire	BEng (First Class Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	University of Hull	BEng (Hons) or M.Eng	Mechanical
	University of Lancaster	BEng (Hons) or M.Eng	Mechanical
	University of Leeds	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	University of Leicester	BEng (Hons) or M.Eng	Electrical & Electronic Mechanical
	University of Liverpool	BEng (Hons) or M.Eng	Civil Electrical Electrical & Electronic Mechanical
	Liverpool John Moore's University	BEng (First Class Hons) or M.Eng	Civil Mechanical
	University of London Imperial College	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	University of London King's College	BEng (Hons) or M.Eng	Electronic & Electrical Mechanical
	University of London — Queen Mary and Westfield College	BEng (Hons) or M.Eng	Civil Mechanical
	University of London — University College	BEng (Hons) or M.Eng	Civil Electronic & Electrical Mechanical
	Loughborough University of Technology	BEng (Hons) or M.Eng	Civil Mechanical Electronic & Electrical
	University of Manchester	BEng (Hons) or M.Eng	Civil Electronic & Electrical Mechanical

THE SCHEDULE — *continued*

<i>First column</i>	<i>Second column</i>	<i>Third column</i>	<i>Fourth column</i>
<i>Country</i>	<i>University, College or Institution</i>	<i>Qualification</i>	<i>Branch of Engineering</i>
	University of Newcastle- Upon-Tyne	BEng (Hons) or M.Eng	Civil Electronic & Electrical Mechanical
	University of Northumbria at Newcastle	BEng (First Class Hons) or M.Eng	Electrical & Electronic Mechanical
	University of Nottingham	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical Engineering Science (Civil) Engineering Science (Electrical) Engineering Science (Mechanical)
	University of Portsmouth	BEng (First Class Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	University of Plymouth	BEng (First Class Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	Reading University	BEng (Hons) or M.Eng	Mechanical
	University of Salford	BEng (Hons) or M.Eng	Civil Electronic & Electrical Mechanical
	University of Sheffield	BEng (Hons) or M.Eng	Civil & Structural Electrical Mechanical
	Sheffield Hallam University	BEng (First Class Hons) or M.Eng	Civil
	University of Southampton	BEng (Hons) or M.Eng	Civil Electrical Mechanical
	South Bank University	BEng (First Class Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	University of Strathclyde	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical

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<i>Country</i>	<i>University, College or Institution</i>	<i>Qualification</i>	<i>Branch of Engineering</i>
	University of Surrey	BEng (Hons) or M.Eng	Civil Electronic & Electrical Mechanical
	University of Sussex	BEng (Hons) or M.Eng	Electrical & Electronic Mechanical
	University of Wales College of Cardiff	BEng (Hons) or M.Eng	Civil Electrical & Electronic Mechanical
	University of Wales Swansea	BEng (Hons) or M.Eng	Civil Electronic & Electrical Mechanical
	University of Westminster	BEng (First Class Hons) or M.Eng	Civil Mechanical.

## PART II

Degrees which are accredited by the Engineering Accreditation Commission (EAC) of the Accreditation Board for Engineering and Technology, Inc, United States of America, in the branches of engineering prescribed under section 10 (8) of the Act.

## PART III

Degrees awarded under the Accredited Engineering Programmes which are based on the evaluation and acceptance of the Commission des titres d'ingenieur, France in the branches of engineering prescribed under section 10 (8) of the Act.

Made this 29th day of November 2005.

TAN TEE HOW  
*Permanent Secretary,*  
*Ministry of National Development,*  
*Singapore.*