

ASEAN ARCHITECT SURVEY ON PROFESSIONAL PRACTICE (BRUNEI DARUSSALAM – MALAYSIA)

1. ABOUT MEMBER STATE

MEMBER STATE	BRUNEI DARUSSALAM	CAMBODIA	INDONESIA	LAO PDR	MALAYSIA
NAME OF PRA	Board of Architects, Professional Engineers and Quantity Surveyors	Board of Architects Cambodia	Lembaga Pengembangan Jasa Konstruksi (LPJK) / <i>Construction Services Development Board (CSDB)</i>	Ministry of Public Works and Transport	Board of Architects Malaysia
PRA WEBSITE ADDRESS	www.bapeqs.gov.bn	www.bac.gov.kh	www.lpjk.net	http://www.mpwt.gov.la	http://www.lam.gov.my
PRA Email address	apeqs.sec@mod.gov.bn	bac.cambodia@gmail.com	lpjkn@lpjk.net		info@lam.gov.my
PRA Address Postal Address	ASEAN Monitoring Committee (Architectural Division) Ground Floor (East Wing), Ministry of Development Building Jalan Pembangunan, BB 3510 Negara Brunei Darussalam Tel: (673) 2382076 Fax: (673) 2382076	5 th floor, Building of Ministry of Land Management Urban Planning and Construction, #771-773, Monivong Blvd., Phnom Penh, Cambodia	Graha LPJKN Jl. Arteri Pondok Indah No.82 Kebayoran Lama, South Jakarta - Indonesia	Lane Xang Avenue, Vientiane Capital City, Lao PDR	17 th Floor, Block F, JKR Headquarters Jalan Sultan Salahuddin 50582 Kuala Lumpur
MONITORING COMMITTEE Names of Members in MC	1- Ar. Khalid Haji Sirat – Chairman 2- Ar. Hajah Maihani Haji Abdul Hamid – Member 3- Ar. Hajah Sarbiah Haji Burut – Member 4- Ar. Haji Sabri Haji Abdul Hamid – Member 5- Ar. Mahri Haji Latif- Member 6- Ar. Filzah Amalina Dato Paduka Haji Mohd Hamid- Member	To update	Indonesia Monitoring Committee on Architectural Services: 1. Chairman: Mr. Didi Haryadi 2. Vice Chairman: Mr. Jimmy S Juwana 3. Secretary: Ms. Anita Tambing 4. Member: Mr. Tateng Kurniahadi Djajasudarma 5. Member: Mr. Ketut Rana Wiarcha Secretariat: Ms. Anita Tambing Address: Direktorat Bina Kompetensi dan Produktivitas Konstruksi Jl. Sapta Taruna Raya	1. Prof. Dr Bounleuam SISOULATH Assistant Minister, MPWT, Chairman 2. Prof. Dr somphone DETHOUDOM , Adviser to the Minister of Public Works and Transport. Vice Chairman. 3. Mr. Phouthasenh ARKHAVONG , Deputy Director General, Department of Housing and Urban planning, MPWT, Member 4. Mrs. Saykham THAMMANOSOUTH , Director of Division, Cabinet Office, MPWT,	1. Ar. Tan Sri Esa Mohamed (Chairman) 2. Ar. Zairul Azidin Badri (President of BAM) 3. Ar. Datuk Tan Pei Ing 4. Ar. Zuraina Leily Awalludin 5. Ar. Mustapha Mohd Salleh 6. Ar. Chan Seong Aun 7. Ar. Ezumi Harzani Ismail 8. Ar. Mohd Nazam Md Kassim 9. Ar. Yong Razidah Rashid

			<p>Kompleks P.U. Pasar Jumat Jakarta 12310 Indonesia Tel: +62 21 765 6532 Fax: +62 21 751 1847 Email: secretariat@imc.or.id Website: http://www.imc.or.id/architect</p>	<p>Member 5. Mr Phonesay SOUTHIPHONG, President , Association of Lao Architects and Civil Engineers, Member 6. Associate Prof.Dr Soukanh CHITPANYA, Architectural Faculty, National University of loa, Member 7. Mr Bannarith KHATTIGNARTH Association of Lao Architects and Civil Engineers, Member 8. Miss Phonemaly PHOUNVISOUK Official of Council of Sciences and Technology, MPWT</p>	
NAME OF PROFESSIONAL INSTITUTE	Pertubuhan Ukur, Jurutera & Arkitek (PUJA)	N/A	Ikatan Arsitek Indonesia (IAI) <i>(Indonesian Institute of Architects)</i>	Council of Sciences and Technology (CST)	Malaysian Institute of Architects [PAM]
PROFESSIONAL INSTITUTE Postal Address Website Address\	Unit 3, 2 nd Floor, Block B9, Simpang 32-66, Kampong Anggerek Desa, Berakas, BB3713, Brunei Darussalam	N/A	Ikatan Arsitek Indonesia (IAI) Jakarta Design Center Lt. 7 Jl. Jend. Gatot Subroto Kav. 53 Jakarta 10260 - Indonesia www.iai.or.id	Lane Xang Avenue, Vientiane Capital City, Lao PDR	http://www.pam.org.my Pertubuhan Akitek Malaysia, 99L, Jalan Tandok, Bangsar, 59100 Kuala Lumpur, Malaysia.

2. NUMBER OF ARCHITECTS

MEMBER STATE	BRUNEI DARUSSALAM	CAMBODIA	INDONESIA	LAO PDR	MALAYSIA
Type of Membership	As at Feb 2019Nov 2018	As at Nov 2018	As at Nov 2018	As at Nov 2018	As at Feb 2019
Professional Architect [registered]	519 424 (practicing certificate)	620	8,930	300 (2016 year)	1460808
Graduate Architect (Associated Architect)	NA	2736 (Graduate Architect: Person has satisfactorily completed an architectural program in architecture determined by State Authority)	Approximately 18,000		1569357
ASEAN Architect	164	4	157	17	46
APEC Architect	-	N/A	-		32
Others	-	-	-		Interior Designers – 464 Registered Building Draughtsmen - 109

3. TYPE OF PRACTICE

MEMBER STATE	BRUNEI DARUSSALAM	CAMBODIA	INDONESIA	LAO PDR	MALAYSIA
Type of Practice	No of practice		No of practice		No. of practice
Sole proprietorship	<u>320</u>	No Data	NA		<u>915893</u>
Partnership	<u>814</u>	No Data	NA		<u>631</u>
Body Corporate (Architectural)	NONE	No Data	NA		<u>23223</u>
Body Corporate (Multi-disciplinary)	NONE	No Data	NA		<u>365</u>

4. ARCHITECTURE EDUCATION

MEMBER STATE	BRUNEI DARUSSALAM	CAMBODIA	INDONESIA	LAO PDR	MALAYSIA	
NUMBER OF SCHOOLS OF ARCHITECTURE	1 None	8 Schools	136	2 Schools	accredited schools	8 no. fully accredited
LIST OF SCHOOL/PROGRAMME OF ARCHITECTURE RECOGNISED BY PRA	1. Universiti Teknologi Brunei a) Bachelor of Science (Architecture)	1. Royal University of Fine Arts (State School) 2. Western University of Cambodia 3. Norton University 4. Mekong University 5. Build Bright University 6. Pannasastra University of Cambodia 7. Setec University 8. Limkokwing University	See attached list (doc 03-1) Among others (e.g) 1 Institut Teknologi Adhitama Surabaya (ITATS), Surabaya 2 Institut Teknologi Bandung, Bandung 3 Institut Teknologi Nasional, Bandung 4 Institut Teknologi Sepuluh November, Surabaya 5 Universitas Atmajaya, Yogyakarta 6 Universitas Borobudur, Jakarta 7 Universitas Brawijaya, Malang 8 Universitas Bung Hatta, Padang 9 Universitas Bung Karno, Jakarta 10 Universitas Diponegoro, Semarang 11 Universitas Gadjah Mada, Yogyakarta 12 Universitas Hasanuddin, Makassar 13 Universitas Indonesia, Jakarta 14 Universitas Islam Indonesia, Yogyakarta 15 Universitas Kristen Duta Wacana, Yogyakarta 16 Universitas Kristen Petra, Surabaya 17 Universitas Merdeka, Malang 18 Universitas Muhammadiyah Palembang, Palembang 19 Universitas Muslim Indonesia, Makassar 20 Universitas Negeri Sebelas Maret, Surakarta 21 Universitas Pancasila, Jakarta 22 Universitas Parahyangan, Bandung University of Tantri Abeng Trisakti University, Jakarta Tarumanagara University, Jakarta Udayana University, Bali	1. Lao National University, Vientiane Capital City, Lao PDR. <ul style="list-style-type: none"> Bachelor of Architecture (5 years) Product Design (4 years) Decoration Design/Interior Design (4 years) Urban Environment (4 years) Building technology (4 years) Urban Planning (4 years) Master Degree (2 years) After the bachelor degree <ul style="list-style-type: none"> Master of Urban Design Master of Science in Urban and Environmental Planning Master of Architecture and Urban Studies 2. Suphanouvang University, Luangphabang City. Luangphabang Province <ul style="list-style-type: none"> Bachelor of Architecture (5 years) Interior Decoration (4 year) Architecture management (4 year) 	Fully Accredited Programs: (Part I & II) 1. Universiti Teknologi Malaysia (UTM) <ol style="list-style-type: none"> Bachelor of Science (Architecture) Master of Architecture 2. Universiti Teknologi MARA (UiTM) <ol style="list-style-type: none"> Bachelor of Science (Architecture) Master of Achitecture 3. Universiti Sains Malaysia (USM) <ol style="list-style-type: none"> Bachelor of Housing, Building & Planning (Architecture) Bachelor of Architecture 4. Universiti Malaya (UM) <ol style="list-style-type: none"> Bachelor of Science in Architecture Master of Architecture 5. Universiti Islam Antarabangsa (UIA) <ol style="list-style-type: none"> Bachelor of Science in Architectural Studies Bachelor of Architecture 6. Universiti Putra Malaysia (UPM) <ol style="list-style-type: none"> Bachelor of Design (Architecture) Bachelor of Architecture 7. Taylor's University	

					<p>a) Bachelor of Science (Hons) in Architecture b) Master of Architecture</p> <p>8. Universiti Kebangsaan Malaysia (UKM) a) Bachelor of Science in Architecture b) Master in Architecture</p> <p>Part I Accredited Programs:</p> <p>9. UCSI University a) Bachelor of Architectural Technology (Part 1) b) Bachelor of Science (Hons) in Architecture</p> <p>10. Politeknik Port Dickson a) Sarjana Muda Sains Perumahan, Bangunan dan Perancangan (Kepujian) (Senibina) Program Pesisir USM-KPM.</p> <p>11. Infrastructure University Kuala Lumpur (IUKL) a) Bachelor of Science (Architectural Studies)</p> <p>12. Universiti Tunku Abdul Rahman (UTAR) a) Bachelor of Science (Hons) in Architecture</p> <p>13. Universiti Teknologi MARA (UiTM Sri Iskandar, Perak) a) Bachelor of Science (Architecture)</p> <p>14. Lim Kok Wing University of Creative Technology (LUCT) a) Bachelor of Science (Architectural Science)</p> <p>15. City University a) Bachelor of Science (Hons) in Architectural Design</p> <p>16. Kolej University Tunku Abdul Rahman a) Bachelor of Science in Architecture.</p> <p>17. Kolej Universiti Teknologi</p>
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					<p>Sarawak (KUTS)</p> <p>a) Bachelor of Science (Hons) In Architecture</p> <p>18. Universiti Sains Islam Malaysia (USIM)</p> <p>a) Sarjana Muda Sains Senibina (Kepujian)</p>
AVERAGE OF NUMBER STUDENTS INTAKE/ YEAR	Approx. 40/year	Approx. 561/year	8661	<p>Faculty of Architecture NUOL Vientiane (5 years)</p> <ul style="list-style-type: none"> • Intake 291 • Student body 1030 <p>Suphanouong University, Luangphabang City. Luangphabang Province</p> <ul style="list-style-type: none"> • Intake 120 • Student Body 382 	as at 2013/2014 – approximate Fully Accredited programs : 549
	N/A				as at 2013/2014 – approximate Partial Accredited programs – Part 1: 21
AVERAGE NUMBER OF GRADUATES PER YEAR	First cohort of graduates will be in 2022	150	3341	<p>Faculty of Architecture NUOL Vientiane</p> <p>Total of graduates : 223 in that</p> <p>57 architects</p> <p>Faculty of Architecture Luang Phrabang (SU)</p> <p>Total of graduates : 77 in that</p> <p>30 architects</p> <p>Total of graduates for 2 faculties:</p> <p>87 architects</p>	as at 2013/2014 – approximate Fully Accredited Programs : 466
	N/A				as at 2013/2014 – approximate Partial Accredited Programs Part 1 : 21
COLLATERAL EDUCATIONAL ORGANISATIONS	N/A		APTARI (Asosiasi Pedidikan Tinggi Arsitektur Indonesia)- Indonesian Association School of Architect	Board of Architect and Engineer	COHAS (Council of Head of Architectural Schools) Malaysia

BODY/BODIES THAT ESTABLISH THE EDUCATION STANDARDS	Board of Architects, Professional Engineers and Quantity Surveyors (BAPEQS) Ministry of Education	1. Ministry of Culture and Arts (for State School) 2. Ministry of Education Youth and Sports (for Private Schools)	Education Board of National Standards Ministry of Education and Culture Ministry of Research, Technology and Higher Education	Ministry of Education and Sports (Architecture Faculty) Ministry of Public Works and Transport Council of Architect and Civil Engineer Lao)	Board of Architect Malaysia/ Council of Accreditation & Architectural Education Malaysia (CAAEM)
DURATION OF STUDIES [recognized by PRA]	N/A	5 years And 4+1 years	<ul style="list-style-type: none"> 5 years until 1980 < 5 years 1980-2009 4 years + 1 year Professional Education 2009-now 	5 years Five years 4 years + 1 year professional education	Varies from 5 to 6 years: <ul style="list-style-type: none"> 5 years for A Level equivalent 6 years for O Level equivalent
Total Credit Hours	120 credit values per academic year	150-170 credits, 15-16h /credit	<ul style="list-style-type: none"> Past 1: min144 credit/sms Past 2: min36 credit/sms 	140-176 credits	120 credit hours for Part 1
					60 credit hours for Part 2
Lecturer to Student Ratio	1:8	1:20/1:25	<ul style="list-style-type: none"> Past 1: 1-20 Past 2: 1:10 		1:15 for design studio (core subject)
					Minimum 3 registered architects as full time academic staff in the Architectural Department
Subjects Groupings	<ul style="list-style-type: none"> Design Studio History & Theory of Architecture Architectural Drawing & Representation Melayu, Islam, Beraja Environment, Leadership, Technopreneurship and Social Innovation Sustainable Building Design Environmental System Cultural and Contextual Studies Supervised Work Experience Practice, Profession and Ethics 	<ul style="list-style-type: none"> Mathematic Theories, Khmer and world architectures Construction technology and materials Basic engineering, MEP & building structures Sustainable and green architecture Design studio Management, practice, laws and regulations Internship 	<ul style="list-style-type: none"> Humanistic, Social Science, Professional Practice and Ethic Mathematic & Basic Science Basic Architect Architectural Design Architect Disciplines Specialisation 	<ol style="list-style-type: none"> 1.Mathematis, Descriptive Geometry and basic science 2. Drawing, Design and architectural theory 3.History of Lao and world Art and Architecture 4. Process, technology and Materials of construction 5. Design studio 6. Practice, Management and laws (urban and construction) 7. Sustainable, green architecture and environment. 	<ol style="list-style-type: none"> 1. Design Studio 2. Technology and environment 3. History and cultural context 4. Communication 5. Management, Praticce and Law
INTAKE REQUIREMENT	From A-level, minimum 240 points for 3 A-levels (part 1) IB Diploma minimum 30 points	Completed high school diploma (from recognized high school)		Completed high school diploma Entrance exam	Part 1: from O Level, min credit in 5 subjects or from A Level, min credit in 2 subjects

	Relevant Level 5 Diploma or equivalent				
					Part 2: B.Sc in Architecture with Part 1 LAM and min 6 months practical training
MECHANISM TO MONITOR THE QUALITY ASSURANCE	UTB Quality Assurance Unit	<ul style="list-style-type: none"> Schools of architectures are under management of the Ministry of Education Youth and Sports and the Ministry of Culture and Fine Arts, BAC, Board of Architects Cambodia oversees the study program of each school and human resources. 	<ul style="list-style-type: none"> BAN PT – For Insitutional (National Accreditation Board for Higher Educations) Independent Accreditation Board (Lembaga Akreditasi Mandiri) 	Ministry of Education and sports	CAAEM & MQA
LINK TO OTHER INTERNATIONAL ACCREDITATION SYSTEM	None	None		Under ASEAN University Network (AUN) exchange program	RIBA (For UiTM and University of Malaya only)

5. INTERNSHIP & PROFESSIONAL REGISTRATION

MEMBER STATE	BRUNEI DARUSSALAM	CAMBODIA	INDONESIA	LAO PDR	MALAYSIA
NUMBER OF YEARS OF INTERNSHIP	TBC	1 year	Min. 2 years		2 years
BODIES THAT DEFINE AND / OR CONTROL INTERNSHIP	Board of Architects, Professional Engineers and Quantity Surveyors	<ul style="list-style-type: none"> Currently under responsibility of each school BAC, Board of Architects Cambodia will be reported 	Ikatan Arsitek Indonesia (IAI) <i>(Indonesian Institute of Architects)</i>		Board of Architects Malaysia
PROFESSIONAL EXAM	Annually	Currently there is No yet	Yes		Yes
PROFESSIONAL REGISTRATION Renewal	Annually	Every 3 years	Every 3 years	Every 3 years	Annually
ADDITIONAL REQUIREMENTS TO PRACTICE [if any]	<ul style="list-style-type: none"> No violation of professional ethics and code of conduct CPE – 20 points annually 		<ul style="list-style-type: none"> No violation of professional ethics and code of conduct CPD – 35 points annually 		Compliance with mandatory for Continuing Professional Development (CPD) requirement – 10 CPD Points annually

6. THE PROFESSIONAL REGULATORY AUTHORITY

MEMBER STATE	BRUNEI DARUSSALAM	CAMBODIA	INDONESIA	LAO PDR	MALAYSIA
GOVERNING BODY	Board of Architects, Professional Engineers and Quantity Surveyors	Board of Architects Cambodia (BAC)	Lembaga Pengembangan Jasa Konstruksi (LPJK) / <i>Construction Services Development Board (CSDB)</i>		Board of Architects Malaysia
NUMBER OF MEMBERS IN PRA	11 members (BAPEQS)	25	12 members (boards)		21 members
FUNCTIONS OF PRA	<p>(a) to keep and maintain a register of architects, professional engineers and quantity surveyors, a register of the architectural, professional engineering and quantity surveying practitioners and a register of licensees;</p> <p>(b) to hold or arrange for the holding of such examinations as the Board considers necessary for the purpose of enabling persons to qualify for registration under this Order;</p> <p>(c) to approve or reject applications for registration under this Order or to approve any such application subject to such restrictions as the Board may consider fit to impose;</p> <p>(d) to cancel, remove or reinstate any registration;</p> <p>(e) to recommend, with the approval of the Minister, the scale of fees to be charged by architects, professional engineers and quantity surveyors for architectural, professional engineering and quantity surveying services rendered;</p> <p>(f) to establish, maintain and develop standards of professional conduct and ethics of the architectural,</p>	<ol style="list-style-type: none"> 1. The Board of Architects Cambodia (BAC), the Professional Regulatory Authority (PRA) and a statutory body established by a Cambodia Royal Decree; 2. To gather, administer and monitor the registered architects in Cambodia by mean accrediting, registering and regulating the architects and architecture services. 3. Supervises and advices, issues and implements the policies, strategies and law enforcement in the fields of architecture and related in the attempt glorify the professional qualification and the prestige of the Cambodia architecture. 	<ul style="list-style-type: none"> • Registration of Architects and Engineers • Renew registration of Architects and Engineers • To assist development and promotion of construction services • Registration of foreign expertise in construction services, include monitoring & evaluation 		<ul style="list-style-type: none"> ■ Registration of Architects, Graduate Architects, Interior Designers and Building Draughtsmen; ■ Registration of architectural consultancy practices; ■ Regulation of their conduct and ethics; ■ Conducting examinations for admission to the profession; ■ Accreditation of architectural programmes; ■ Development and Promotion of the profession; ■ Representing the architectural profession in any matter at local and international levels.

	<p>professional engineering and quantity surveying professions;</p> <p>(g) to promote learning and education in connection with architectural, professional engineering and quantity surveying; (h) to hear and determine disputes relating to professional conduct or ethics of registered architects, professional engineers and quantity surveyors or to appoint a committee or arbitrator to hear and determine those disputes;</p> <p>(i) to appoint arbitrators for the purpose of hearing and determining disputes between registered architects, professional engineers or quantity surveyors or licensed corporations or partnerships and other persons;</p> <p>(j) to license corporations or multi-discipline partnerships which intend to supply architectural, professional engineering or quantity surveying services in Brunei Darussalam; and</p> <p>(k) generally to do all such acts, matters and things as are necessary to be carried out under the provisions of this Order.</p>				
MANNER OF COMPENSATION	Brunei Government	National Budget	Monthly honorarium		Self Funding
SOURCE OF OPERATIONAL FUNDS	Brunei Government	Registration and Re-registration fee	Registration and Re-registration fee, Other fees imposed under Government regulations		Annual registration fee, the fees imposed under Architect Act.
TENURE OF MEMBERS	3 years	5 Years	4 years		2 years

7. THE LAW

MEMBER STATE	BRUNEI DARUSSALAM	CAMBODIA	INDONESIA	LAO PDR	MALAYSIA
EXISTING LAW ON ARCHITECTURE	<p>CONSTITUTION OF BRUNEI DARUSSALAM (Order made under Article 83(3))</p> <ol style="list-style-type: none"> 1. APEQS Order 2011 2. APEQS Rules 2016 3. APEQS Rules (Professional Conduct and Ethics) 2017 4. Building Control Order (BCO) 2014 5. Building Control Regulation (BCR) 2014 6. Guidelines related to professional (Architects, Professional Engineers and Quantity Surveyors) 	<ol style="list-style-type: none"> 1. Royal Decree Establishment of Board of Architects Cambodia; 2. Law on Land Use Planning, Urbanization and Construction; 3. Sub-Decree 86 on Construction Permit; 4. Sub-Decree 42 on Urbanization of Capital City, Towns and Urban Area 	<ul style="list-style-type: none"> • Law on Building no. 28/2002 • Law on Construction Services no. 2/2017 • Law on Architect no. 06/2017 • Ministry Decree to Implement the Laws 	<ul style="list-style-type: none"> • Construction Law (27/2009) • Urban Planning Law (2017) 	<ul style="list-style-type: none"> • Architects Act 1967 (Act 116) • Architects Rules 1996, • Guidelines as issued to members

8. THE LICENSURE EXAMINATIONS

MEMBER STATE	BRUNEI DARUSSALAM	CAMBODIA	INDONESIA	LAO PDR	MALAYSIA
LICENSURE EXAMS REQUIRED FOR PRACTICE	Yes	Note Yet Applied	Yes		Yes
TYPE OF EXAM AND SUBJECTS GIVEN IN EXAM	TBC	Note Yet Applied	<ul style="list-style-type: none"> • Passing diploma of professional ethics and code of conduct workshop held by IAI • Written paper and application forms covering basic competence requirement for Architects • Invited for oral interview as considered necessary by the Examination Panel 		<ol style="list-style-type: none"> 1. Log Book (min 104 weeks) & Case Study Review 2. Oral Interview Examination 3. Written Paper 1 & 2 1. Professional Legislation and Professional Bodies 2. Professional Architect's Role in Society 3. Professional Architect's Practice 4. Building Legislations and Regulations 5. Building Contract Administration
NUMBER OF DAYS GIVEN	TBC	Note Yet Applied	<ul style="list-style-type: none"> • Open submission for written paper and application forms (depends on applicants – 4 times pre-scheduled assessments annually) • Oral interview: 1 day 		<ol style="list-style-type: none"> 1.Oral Interview Examination – 1 day (0.5 hrs/candidate) 2. Written Exams Paper 1 & 2 – 3 hrs each
MANNER OF CHECKING	TBC	Note Yet Applied	Administered and carried out by the Examination Panel (Team of Assessors, national and/or provincial level).		Administered and carried out by the Examination Panel.
NUMBER OF EXAMINEES	TBC	Note Yet Applied	Approx. 80-100 per year		Approximately 200 persons per year
AVERAGE PASSING RATE	TBC	Note Yet Applied	60%		Approximately 30%