ASEAN MUTUAL RECOGNITION ARRANGEMENT ON ENGINEERING SERVICES

The Governments of Brunei Darussalam, the Kingdom of Cambodia, the Republic of Indonesia, Lao People's Democratic Republic, Malaysia, the Union of Myanmar, the Republic of the Philippines, the Republic of Singapore, the Kingdom of Thailand, and the Socialist Republic of Viet Nam, Member Countries of the Association of South East Asian Nations (hereinafter collectively referred to as "ASEAN" or "ASEAN Member Countries" or singularly as "ASEAN Member Country");

RECOGNISING the objectives of the ASEAN Framework Agreement on Services (hereinafter referred to as "AFAS"), which are to enhance cooperation in services amongst ASEAN Member Countries in order to improve the efficiency and competitiveness, diversify production capacity and supply and distribution of services of their services suppliers within and outside ASEAN; to eliminate substantially restrictions to trade in services amongst ASEAN Member Countries; and to liberalise trade in services by expanding the depth and scope of liberalisation beyond those undertaken by ASEAN Member Countries under the General Agreement on Trade in Services (hereinafter referred to as "GATS") with the aim to realising free trade in services;

NOTING that Article V of AFAS provides that ASEAN Member Countries may recognise the education or experience obtained, requirements met, and license or certification granted in other ASEAN Member Countries, for the purpose of licensing or certification of service suppliers;

NOTING the decision of the Bali Concord II adopted at the Ninth ASEAN Summit held in 2003 calling for completion of

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Mutual Recognition Arrangements (hereinafter referred to as "MRAs" or singularly as "MRA") for qualifications in major professional services by 2008 to facilitate free movement of professionals/skilled labour/talents in ASEAN; and

DESIRING to provide a generic model MRA for Engineering Services in strengthening professional capabilities by promoting the flow of relevant information and exchanging expertise, experiences and best practices suited to specific needs of ASEAN Member Countries;

HAVE AGREED on this ASEAN Mutual Recognition Arrangement on Engineering Services (hereinafter referred to as "this Arrangement") as follows:

ARTICLE 1
OBJECTIVES

The objectives of this Arrangement are:

1.1 To facilitate mobility of engineering services professionals; and

1.2 To exchange information in order to promote adoption of best practices on standards and qualifications.

ARTICLE 2
DEFINITIONS

In this Arrangement, unless the context otherwise requires:

2.1 **Accreditation** refers to quality assurance of graduate engineers by national professional bodies.

2.2 **Assessment** or **Evaluation** refers to particular processes for reporting or comparison of achievement against criteria, standards, or a benchmark.

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2.3 **Benchmark** refers to an agreed level by which others can be measured.

2.4 **Certification** refers to the issuance of a certificate or license to those who have met specified requirements for registration.

2.5 **Country of Origin** refers to the country where the Professional Engineer has an existing license to practise engineering.

2.6 **Criteria** or **Standards** refers to a specification of qualities required to be met.

2.7 **Engineering Services** refers to the activities covered under Central Product Classification (hereinafter referred to as "CPC") Code 8672 of the Provisional CPC of the United Nations.

2.8 **Graduate Engineer** refers to a natural person who holds the nationality of an ASEAN Member Country and has satisfactorily completed a higher education engineering program that is assessed as meeting required criteria in a discipline of engineering determined by a recognised professional engineering body or state authority.

2.9 **Host Country** refers to the country where the ASEAN Chartered Professional Engineer (ACPE) applies to work, not in independent practice, but in collaboration with the local Professional Engineer, where appropriate, to practise Engineering.

2.10 **Professional Engineer** (also known as **Practitioner**) refers to a natural person who holds the nationality of an ASEAN Member Country and is assessed by a Professional Regulatory Authority (PRA) of any participating ASEAN Member Country as being technically, morally, and legally qualified to undertake

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independent professional engineering practice and is registered and licensed for such practice by the Authority. ASEAN Member Countries may have different nomenclatures and requirements for this term.

2.11 **Professional Regulatory Authority (PRA)** refers to the designated government body or its authorised agency in charge of regulating the practice of engineering services as listed in **APPENDIX I**. Any amendment to this list can be made administratively by the ASEAN Member Country concerned and notified by the Secretary-General of ASEAN to all ASEAN Member Countries. ASEAN Member Countries may have different nomenclatures for this term.

2.12 **Recognition** refers to acceptance by an authority of demonstration of compliance with requirements.

2.13 **Registered Foreign Professional Engineer (RFPE)** refers to an ASEAN Chartered Professional Engineer (ACPE) who has successfully applied to and is authorised by the Professional Regulatory Authority (PRA) of a Host Country to work, not in independent practice, but in collaboration with one or more Professional Engineer of the Host Country.

2.14 **Registration** refers to the process of placing on a Register those who meet specified requirements within a jurisdiction.

2.15 Words in the singular include the plural.

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ARTICLE 3
RECOGNITION, QUALIFICATIONS, AND ELIGIBILITY

3.1 Qualifications to Become an ASEAN Chartered Professional Engineer (ACPE)

A Professional Engineer who possesses the following qualifications:

3.1.1 completed an accredited engineering degree recognised by the professional engineering accreditation body whether in the Country of Origin or Host Country or assessed and recognised as having the equivalent of such a degree;

3.1.2 possess a current and valid professional registration or licensing certificate to practice engineering in the Country of Origin issued either by the Professional Regulatory Authority (PRA) of the ASEAN Member Countries and in accordance with its policy on registration/licensing/certification of the practice of engineering or the Monitoring Committee pursuant to Article 4.2.2 and item 1.2 of **Appendix II** of this Arrangement;

3.1.3 acquired practical and diversified experience of not less than seven (7) years after graduation, at least two (2) years of which shall be in responsible charge of significant engineering work as stipulated in **Appendix IV, D - Example IV**;

3.1.4 in compliance with Continuing Professional Development (CPD) policy of the Country of Origin at a satisfactory level; and

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3.1.5 obtained certification from the Professional Regulatory Authority (PRA) of the Country of Origin with no record of serious violation on technical, professional or ethical standards, local and international, for the practice of engineering is eligible to apply to the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) to be registered as an ASEAN Chartered Professional Engineer (ACPE) under the ASEAN Chartered Professional Engineers Register (ACPER).

3.2 ASEAN Chartered Professional Engineer (ACPE)

A Professional Engineer who possesses the above qualifications and complies with the Guidelines on Criteria and Procedures as per **Appendix II** and satisfies the Assessment Statement as per **Appendix III**, may, upon acceptance and payment of fees, be emplaced on the ASEAN Chartered Professional Engineers Register (ACPER) and accorded the title of ASEAN Chartered Professional Engineer (ACPE). An ASEAN Chartered Professional Engineer (ACPE) shall practise engineering only in the specific discipline or disciplines in which he/she has been adjudged to be competent under this Arrangement.

3.3 Eligibility of an ASEAN Chartered Professional Engineer (ACPE) to Practise in a Host Country

3.3.1 An ASEAN Chartered Professional Engineer (ACPE) shall be eligible to apply to the Professional Regulatory Authority (PRA) of a Host Country to be registered as a Registered Foreign Professional Engineer (RFPE). The applicant shall submit with his application a sworn undertaking to:

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(a) be bound by local and international codes of professional conduct in accordance with the policy on ethics and conduct established and enforced by the Country of Origin;
(b) be bound by prevailing laws and regulations of the Host Country; and
(c) work in collaboration with local Professional Engineers in the Host Country subject to domestic laws and regulations of the Host Country governing the practice of engineering thereto.

3.3.2 Upon approval, the successful ASEAN Chartered Professional Engineer (ACPE) applicant shall, subject to domestic laws and regulations and where applicable, not making submissions to statutory authorities of the Host Country, be permitted to work as a Registered Foreign Professional Engineer (RFPE), not in independent practice, but in collaboration with designated Professional Engineers in the Host Country, within such area of his own competency as may be recognised and approved by the Professional Regulatory Authority (PRA) of the Host Country.

ARTICLE 4
PROFESSIONAL REGULATORY AUTHORITY, MONITORING COMMITTEE AND ASEAN CHARTERED PROFESSIONAL ENGINEER COORDINATING COMMITTEE

4.1 Professional Regulatory Authority (PRA)

The Professional Regulatory Authority (PRA) of each participating ASEAN Member Country shall be responsible for the following:

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4.1.1 Consider applications from and authorise the ASEAN Chartered Professional Engineers (ACPEs) to work as Registered Foreign Professional Engineers (RFPEs), not in independent practice, but in collaboration with designated local Professional Engineers in the Host Country subject to the domestic laws and regulations and where applicable, not making submissions to statutory authorities of the Host Country as provided for by this Arrangement;

4.1.2 Monitor and assess the professional practice of the Registered Foreign Professional Engineers (RFPEs) and to ensure compliance with this Arrangement;

4.1.3 Report to relevant local and international bodies developments in the implementation of this Arrangement;

4.1.4 Maintain high standards of professional and ethical practice in engineering;

4.1.5 Notify the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) Secretariat (set up under Article 4.3.5) promptly in writing when a Registered Foreign Professional Engineer (RFPE) has contravened this Arrangement, or when a Professional Engineer who is also an ASEAN Chartered Professional Engineer (ACPE) is no longer qualified to undertake independent professional engineering practice in the Country of Origin, has not complied with Continuing Professional Development (CPD) policy of the Country of Origin at a satisfactory level, or has seriously violated technical, professional or ethical standards either in the Country of Origin or in the

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Host Country whereby such violations have led to deregistration or suspension from practice;

4.1.6 Prepare rules and regulations to enable the implementation of this Arrangement; and

4.1.7 Exchange information regarding laws, practices and prevailing developments in the practice of engineering within the region with the view to harmonisation in accordance with regional and/or international standards.

4.2 Monitoring Committee (MC)

4.2.1 A Monitoring Committee (MC) shall be established in and by each participating ASEAN Member Country to develop, process and maintain an ASEAN Chartered Professional Engineers Register (ACPER) in the Country of Origin.

4.2.2 The Monitoring Committee (MC) shall be recognised as competent by, and may exercise some functions on behalf of, the authorities responsible for the registration and licensing of professional engineers in the country concerned.

4.2.3 The Monitoring Committee (MC) shall also be recognised as an authorised body and shall be able to certify the qualification and experience of individual professional engineers directly or by reference to other competent bodies.

4.2.4 The specific responsibilities of the Monitoring Committee (MC) for the development and maintenance of the ASEAN Chartered Professional Engineers Register (ACPER) are given in the ensuing Articles 4.2.5 and 4.2.6

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below and in **Appendices II**, III and IV to this Arrangement.

4.2.5 The Monitoring Committee (MC) of each participating ASEAN Member Countries seeking authorisation to initiate a Register for the purpose of the ASEAN Chartered Professional Engineers Register (ACPER) shall prepare a statement setting out the criteria and procedures for assessing compliance with the qualifications set out at Article 3.1 for Professional Engineer applicants. The statement shall be reviewed by the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC). Guidelines on criteria and procedures and examples are set out in **Appendices II**, III and IV.

4.2.6 Each authorised Monitoring Committee (MC) shall further undertake to:

4.2.6.1 Ensure that all practitioners registered as ASEAN Chartered Professional Engineers (ACPEs) by the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) Secretariat comply fully with the requirements specified in this Arrangement, and that a substantial majority of these practitioners have demonstrated their compliance through the primary procedures and criteria as shown in **Appendices II**, III and IV;

4.2.6.2 Ensure that practitioners applying for registration as ASEAN Chartered Professional Engineers (ACPEs) are required to provide evidence that they have complied with the Continuing

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Professional Development (CPD) of the Country of Origin at a satisfactory level;

4.2.6.3 Ensure that practitioners registered by the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) Secretariat as ASEAN Chartered Professional Engineers (ACPEs) apply from time to time for renewal of their registration, and in so doing, provide evidence that they have complied with the Continuing Professional Development policy of the Country of Origin at a satisfactory level;

4.2.6.4 Ensure the implementation and execution of the changes agreed under Article 6.3 as directed by the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC); and

4.2.6.5 Where Article 4.1.5 is applicable, withdraw and deregister the said ASEAN Chartered Professional Engineer (ACPE) from the ASEAN Chartered Professional Engineers Register (ACPER).

4.3 ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC)

4.3.1 The ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) shall be established and shall have the authority to confer and withdraw the title of ASEAN Chartered

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Professional Engineer (ACPE). This authority may be delegated in writing from time to time by the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) to the authorised Monitoring Committee (MC) in each participating ASEAN Member Country. Members of the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) shall comprise of one appointed representative from each Monitoring Committee (MC) of the participating ASEAN Member Countries.

4.3.2 The functions of the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) shall include:

4.3.2.1 Facilitating the development and maintenance of authoritative and reliable Registers of ASEAN Chartered Professional Engineers (ACPER);

4.3.2.2 Promoting the acceptance of ASEAN Chartered Professional Engineers (ACPEs) in each participating ASEAN Member Country as possessing general technical and professional competence that is substantially equivalent to that of professional engineers registered or licensed in the Country of Origin;

4.3.2.3 Developing, monitoring, maintaining and promoting mutually acceptable standards and criteria for facilitating practice by ASEAN Chartered Professional Engineers (ACPEs) throughout the participating ASEAN Member Country;

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4.3.2.4 Seeking to gain a greater understanding of existing barriers to such practice and to develop and promote strategies to help governments and licensing authorities reduce those barriers and manage their processes in an effective and non-discriminatory manner;

4.3.2.5 Through the mechanisms available within ASEAN, encouraging the relevant governments and licensing authorities to adopt and implement streamlined procedures for granting rights to practice to ASEAN Chartered Professional Engineers (ACPEs);

4.3.2.6 Identifying and encouraging the implementation of best practice for the preparation and assessment of engineers intending to practise at the professional level; and

4.3.2.7 Continuing mutual monitoring and information exchange by whatever means that are considered most appropriate, including but not limited to:

(a) regular communication and sharing of information concerning assessment procedures, criteria, systems, manuals, publications and lists of recognised practitioners;

(b) informing all Professional Regulatory Authorities (PRAs)

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when it has been notified that an ASEAN Chartered Professional Engineer (ACPE) is no longer qualified to undertake independent professional engineering practice in the Country of Origin, has not complied with the Continuing Professional Development (CPD) policy of the Country of Origin at a satisfactory level, or has seriously violated technical, professional or ethical standards either in the Country of Origin or the Host Country, whereby such violations have led to deregistration or suspension from practice or withdrawal from the ASEAN Chartered Professional Engineers Register (ACPER);

(c) verifying the operation of the procedures of participating ASEAN Member Countries; and

(d) observing the open meetings of any Professional Regulatory Authorities (PRAs) and/or commissions responsible for implementing key aspects of these procedures and relevant open meetings of the governing bodies of the participating ASEAN Member Countries.

4.3.3 The ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) may,

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whenever it deems appropriate, invite the non-participating ASEAN Member Countries to attend as observers to its meetings.

4.3.4 The ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) shall report its progress of work to ASEAN Coordinating Committee on Services (CCS).

4.3.5 The administration of the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) shall be facilitated by a Secretariat. The establishment and funding of the Secretariat shall be decided by the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC).

4.3.6 General Meetings of the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC) shall be held at least once in each two year period to deal with applications by Monitoring Committees seeking authorisation to initiate Registers and/or authorisation to review the Guidelines on Criteria and Procedures (**Appendix II**), Assessment Statement (**Appendix III**), **Appendix IV** and other related guidelines, procedures and documentation, and recommend any amendments to all the Professional Regulatory Authorities (PRAs).

ARTICLE 5
MUTUAL EXEMPTION

5.1. The participating ASEAN Member Countries recognise that any arrangement, which would confer exemption from further assessment by the Professional Regulatory Authority (PRA) that control the right to practise in each country, could be concluded only with

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the involvement and consent of the Professional Regulatory Authority (PRA) and the relevant government agencies;

5.2 The participating ASEAN Member Countries note that licensing or registering authorities have statutory responsibility for protecting the health, safety, environment, and welfare of the community within their jurisdictions, and may require Professional Engineers seeking the right to independent practice to submit themselves to some form of supplemental assessment;

5.3 The participating ASEAN Member Countries consider that the objectives of such assessment should be to provide the relevant authorities with a sufficient degree of confidence that the Professional Engineers concerned:

5.3.1 understand the general principles behind applicable codes of practice and laws;

5.3.2 have demonstrated a capacity to apply such principles safely and efficiently; and

5.3.3 are familiar with other special requirements operating within the Host Country.

ARTICLE 6
AMENDMENTS

6.1 Any ASEAN Member Country may request in writing any amendment to all or any part of this Arrangement.

6.2 Unless otherwise provided by this Arrangement, the provisions of this Arrangement may only be modified through amendments mutually agreed upon in writing by the Governments of all ASEAN Member Countries. Any such amendment agreed to shall be reduced in

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writing and shall form part of this Arrangement and shall come into force on such date as may be determined by all the ASEAN Member Countries.

6.3 Notwithstanding Article 6.2 above, the provisions in **Appendices II**, III and IV and other related guidelines, procedures and documentation may be modified through amendments mutually agreed upon in writing by all the Professional Regulatory Authorities of the participating ASEAN Member Countries, provided that the amendments shall not contradict or modify any of the provisions in the main text of this Arrangement. All approved changes shall be implemented by the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC).

6.4 Any amendment agreed to under Article 6.3 shall be reduced in writing and shall form part of this Arrangement and shall come into force on such date as may be determined by the participating ASEAN Member Countries.

6.5 Any amendment shall not prejudice the rights and obligations arising from or based on this Arrangement prior or up to the date of such amendment.

6.6 In the event that any provision in Articles 1 to 8 is inconsistent with any provision in **Appendices II** to IV, the provision in Articles 1 to 8 shall take precedence.

ARTICLE 7
DISPUTE SETTLEMENT

The provisions of the ASEAN Protocol on Enhanced Dispute Settlement Mechanism, done at Vientiane, Lao PDR on the 29 November 2004, shall apply to disputes concerning the interpretation, implementation, and/or application of any of the provisions under this Arrangement.

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ARTICLE 8
FINAL PROVISIONS

8.1 The terms and definitions and other provisions of the GATS and AFAS shall be referred to and shall apply to matters arising under this Arrangement for which no specific provision has been made herein.

8.2 This Arrangement shall enter into force on the date of signature by all ASEAN Member Countries.

8.3 After this Arrangement enters into force pursuant to Article 8.2, any ASEAN Member Country which wishes to participate in this Arrangement (referred to in this Arrangement as a "participating ASEAN Member Country") shall notify the ASEAN Secretary-General in writing of its effective date of participation, and the ASEAN Secretary-General shall thereafter notify the rest of the ASEAN Member Countries of the same.

8.4 Any participating ASEAN Member Country wishing to cease participation in this Arrangement shall notify the ASEAN Secretary-General in writing at least twelve months prior to the date of its effective date of non-participation, and the ASEAN Secretary-General shall thereafter notify the rest of the ASEAN Member Countries of the same.

8.5 This Arrangement shall be deposited with the ASEAN Secretary-General, who shall promptly furnish a certified copy thereof to each ASEAN Member Country.

IN WITNESS WHEREOF, the undersigned, being duly authorised thereto by their respective governments, have signed this ASEAN Mutual Recognition Arrangement on Engineering Services.



DONE at Kuala Lumpur, Malaysia, this Ninth Day of December in the Year Two Thousand and Five, in a single copy in the English Language.

For the Government of Brunei Darussalam:

LIM JOCK SENG
Second Minister of Foreign Affairs and Trade

For the Royal Government of Cambodia:

CHAM PRASIDH
Senior Minister and Minister of Commerce

For the Government of the Republic of Indonesia:

MARI ELKA PANGESTU
Minister of Trade

For the Government of the Lao People's Democratic Republic:

SOULIVONG DARAVONG
Minister of Commerce

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For the Government of Malaysia:

RAFIDAH AZIZ
Minister of International Trade and Industry

For the Government of the Union of Myanmar:

SOE THA
Minister for National Planning and Economic Development

For the Government of the Republic of the Philippines:

PETER B. FAVILA
Secretary of Trade and Industry

For the Government of the Republic of Singapore:

LIM HNG KIANG
Minister for Trade and Industry

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For the Government of Thailand:

SOMKID JATUSRIPITAK
Deputy Prime Minister and Minister of Commerce

For the Government of the Socialist Republic of Viet Nam:

TRUONG DINH TUYEN
Minister of Trade

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APPENDIX I
LIST OF PROFESSIONAL REGULATORY AUTHORITY (PRA)

ASEAN Member Country	Professional Regulatory Authority (PRA)
Brunei Darussalam	Ministry of Development
Cambodia	Ministry of Land Management, Urban Planning, and Construction
Indonesia	National Construction Services Development Board
Lao PDR	Lao Union of Science and Engineering Association
Malaysia	Board of Engineers Malaysia
Myanmar	Public Works Head Quarter, Ministry of Construction
The Philippines	Professional Regulation Commission and relevant Professional Regulatory Boards in Engineering
Singapore	Professional Engineers Board Singapore
Thailand	Council of Engineers
Viet Nam	Ministry of Construction

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APPENDIX II

ASEAN CHARTERED PROFESSIONAL ENGINEERS GUIDELINES ON CRITERIA AND PROCEDURES

The purpose of these guidelines is to assist Monitoring Committees (MCs) of ASEAN Member Countries to develop a statement of criteria and procedures for submission to the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC). In accordance with this Arrangement, the eligibility of a Professional Engineer for designation as an ASEAN Chartered Professional Engineer (ACPE) is determined by reference to five performance criteria, which are to be considered as a package. Some of these criteria are relatively objective in nature, while others shall require the Monitoring Committee (MC) to exercise a measure of professional judgement, particularly in relation to exceptional Professional Engineers. These notes represent the benchmarks against which each criterion should be considered.

1.1 Completed an accredited or recognised engineering program, or assessed and recognised as possessing the equivalent

In order to be listed on an ASEAN Chartered Professional Engineers Register (ACPER), Professional Engineers must demonstrate to the relevant Monitoring Committee (MC) a level of academic achievement at, or following, completion of formal education substantially equivalent to that associated with successful completion of:

1.1.1 an engineering degree delivered and accredited in accordance with the best practice guidelines developed by a recognised institution of each ASEAN Member Country; or

1.1.2 an engineering program accredited by a body independent of the education provider, or an examination set by an authorised body within a country, provided that the accreditation criteria and procedures, or the examination standards, as appropriate, have been submitted by one or more Monitoring Committees (MCs) to, and have been endorsed by the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC).

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This approach does not restrict participation to countries in which engineering programs are accredited, or examinations set, by an independent professional body, and does not imply that acceptable academic achievement can be demonstrated only within the context of an engineering degree program.

1.2 Been assessed within their own jurisdiction as eligible for independent practice

The assessment may be undertaken by the Monitoring Committee (MC) or by the Professional Regulatory Authority (PRA) within the Country of Origin.

1.3 Gained a minimum of seven years practical experience since graduation

The exact definition of practical experience shall be at the discretion of the Monitoring Committee (MC) concerned, but the work in question should be clearly relevant to the fields of engineering in which the Professional Engineers claim expertise. During the initial period, the Professional Engineers should have participated in a range of roles and activities appropriate to these fields of engineering. However, their roles while they are in responsible charge of significant engineering work may be more focused.

1.4 Spent at least two years in responsible charge of significant engineering work

The definition of significant engineering work will vary between ASEAN Members Countries and disciplines. As a general guideline, the work should have required the exercise of independent engineering judgment, the projects or programs concerned should have been substantial in duration, cost, or complexity, and the Professional Engineer should have been personally accountable for their implementation. In general, a Professional Engineer may be taken to have been in responsible charge of significant engineering work when they have:

1.4.1 planned, designed, coordinated and executed a small project; or

1.4.2 undertaken part of a larger project based on an understanding of the whole project; or

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1.4.3 undertaken novel, complex and/or multi-disciplinary work.

The specified period of two years may have been completed in the course of the seven years practical experience since graduation, see Appendix IV B - Example II, C - Example III and D - Example IV.

1.5 Complied with the Continuing Professional Development (CPD) policy at a satisfactory level

The nature and extent of the required compliance with Continuing Professional Development (CPD), and the manner in which such compliance is audited, shall remain at the discretion of the Monitoring Committee (MC) concerned, but should reflect the prevailing norms for such compliance by Professional Engineers within the ASEAN Member Countries.

1.6 Registered ASEAN Chartered Professional Engineers (ACPE) must agree to the following:

1.6.1 **Codes of professional conduct.** All Professional Engineers seeking registration as ASEAN Chartered Professional Engineers (ACPEs) must also agree to be bound by local and international codes of professional conduct and with the policy on ethics and conducts established and enforced by the Country of Origin and by any other jurisdiction within which they are practising. Such codes normally include requirements that Professional Engineers place the health, safety, environment, and welfare of the community above their responsibilities to clients and colleagues, practice only within their area of competence, and advise their clients when additional professional assistance becomes necessary in order to implement a program or project. Monitoring Committees (MCs) are required to certify that at registration the candidate has signed a statement of compliance with such applicable professional codes.

1.6.2 **Accountability.** ASEAN Chartered Professional Engineers (ACPEs) must also agree to be held individually accountable for their actions taken in their professional work, both through requirements imposed by the licensing and/or registering body in the jurisdictions in which they work and through the legal processes of such jurisdictions.

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Appendix III

ASEAN CHARTERED PROFESSIONAL ENGINEER ASSESSMENT STATEMENT

The preparation of an Assessment Statement for assessing Professional Engineers seeking registration as an ASEAN Chartered Professional Engineer (ACPE) shall involve identification and assessment of the following elements by the Monitoring Committee (MC) in each participating ASEAN Member Countries.

1.1 One or more mechanisms for accrediting or recognising:

1.1.1 structured educational programs which qualify graduates engineers to enter professionals engineering practice; and/or

1.1.2 assessment instruments which provide an alternative or supplementary mechanism for graduate engineers to demonstrate that they have reached an appropriate educational standard.

2.1 One or more mechanisms for assessing qualified graduate engineers as being eligible for independent professional engineering practice, normally after those graduate engineers have completed a period of supervised or monitored professional experience.

3.1 A mechanism for confirming that independent engineering Professional Engineers have:

3.1.1 gained a minimum of seven years practical experience since graduation;

3.1.2 completed at least two years in responsible charge of significant engineering work;

3.1.3 complied with the Continuing Professional Development (CPD) policy of the Country of Origin at a satisfactory level; and

3.1.4 complied with, and are bound by, an appropriate code of conduct.

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4.1 A mechanism for ensuring that registrants are audited at regular intervals to ensure that they have continued to comply with the conditions of registration.

For each element, the Assessment Statement for each ASEAN Member Country may include:

4.1.1 mechanisms applicable to Professional Engineers in all disciplines;

4.1.2 mechanisms applicable to Professional Engineers in specified disciplines,

4.1.3 national, regional and provincial mechanisms, and

4.1.4 existing or superseded mechanisms

which are recognised by the Monitoring Committee (MC) of each ASEAN Member Country in assessing candidates for registration as ASEAN Chartered Professional Engineers (ACPEs). The Monitoring Committee (MC) may attach restrictions to any or all mechanisms (for example, by requiring that assessment under a mechanism be accepted only in respect of graduate engineers who completed that process by a specified date, or who gained a specified minimum period of practical experience in the relevant discipline or disciplines). All such restrictions must be clearly identified.

Assessment Statements are intended to be dynamic documents, with necessary amendments being effected by the responsible Monitoring Committee (MC) from time to time and notified to the ASEAN Chartered Professional Engineer Coordinating Committee (ACPECC), through the Secretariat.

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Appendix IV

A. EXAMPLE I

MONITORING COMMITTEE SUMMARY OF ASSESSMENT OF APPLICATION FOR ASEAN CHARTERED PROFESSIONAL ENGINEER REGISTRATION

Name of Applicant:

Qualification, and place and date obtained:

Registered Engineer Registration No. (Home Country):

Registered Engineer Registration Date (Home Country):

Registered Engineer's Discipline:

ASEAN Chartered Professional Engineers Register Discipline:

Certified Compliance with ASEAN Chartered Professional Engineer Criteria:

Completed an accredited or recognised engineering program, or assessed recognised equivalent	
Been assessed within their own country as eligible for independent practice	
Gained a minimum of seven years practical experience since graduation	
Spent at least two years in responsible charge of significant engineering work	
Complied with the Continuing Professional Development policy of the Country of Origin at a satisfactory level	
Confirmed signature on statement of compliance with codes of ethics	

Signed

Officer Delegated
ASEAN Chartered Professional Engineer Monitoring Committee

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B. EXAMPLE II

SIGNIFICANT ENGINEERING WORK APPLICATION FOR ASEAN CHARTERED PROFESSIONAL ENGINEER REGISTRATION

Receipt No.:
Qualification:
Registered Engineer Registration No.:
Registered Engineer Registration Date:
Name of Registered Engineer's Discipline:
Name of Applicant:
Date of Birth:
Address:
Place of Employment:
Company Name:
Address:

I wish to be placed on the ASEAN Chartered Professional Engineers Register and apply as described below in accordance with the provision that defines two years experience in responsible charge of significant engineering works.

1. Engineering Work Experience (describe in a retrospective order, beginning with the most recent one.)

				Attestant's Column		
Work No.	Starting Date/ Ending Date (months)	Name of Organisations/ Position/Title	Name of Work	Signature	Relationship of Signor to Applicant	Tel/Fax

Note: The signor above shall be, in principle, the representative of the organisation under which the applicant executed his engineering work.

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2. Detailed Description of Engineering Work (Describe, in detail, each work listed in the preceding page.)

Work No.	Position in Engineering Work	Contents of Work (Describe the contents and significance of the work, the applicant's role, and the degree the applicant's responsibility. Using about 50 words.)

Note: Make a copy of this sheet when an extra sheet is needed.

I hereby swear that the above descriptions are true.

Date:

To ASEAN Chartered Professional Engineer Monitoring Committee

Applicant's name: Signature:

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C. EXAMPLE III

CAREER OF REGISTERED ENGINEER TO BE RECOMMENDED AS ASEAN CHARTERED PROFESSIONAL ENGINEER AND SIMULATION FOR THE SAMPLING OF SIGNIFICANT ENGINEERING WORK

Examples of registered Engineer		Mr. A Civil Engineering Consultant	
Age/Date of Birth		31 / September 22, 1967	
Technical Discipline optional Subject		Civil Engineering Urban and Rural City Planning	
Final Academic Background		Graduated from department of Engineering, Engineering Faculty, University, in 1990	
Age	**Project Owner Classification**	**Job Title**	**Project Name, Number of Months of Experience in Significant Engineering work, and Summary**
25	Ward	Assistant Engineer	Arterial road network improvement planning
26	PWRI	Assistant Engineer	Study of methods for planning and adjusting buildings and road facilities Study of relationship between street image and landscape elements
27	Ministry City	Engineer	Establishment of urban landscape improvement plan (6 months) Establishment of integrated basic plan for built-up urban area redevelopment (6 months) (Serving as the coordinator between the municipalities and localities, Mr. A worked out an integrated basic plan for built-up urban area redevelopment)
28	Public Works Research Institute (PWRI) Ministry	Engineer	Preparation of guideline for streetscape development (draft)(3 months) Study of Policy for Environmental improvement in Urban and regional Areas (2 months)
29	Ministry Prefecture	Lead Engineer	Preparation of an environmental improvement plan (4 months) (Mr. A worked out a plan to improve highways of olden times from a new viewpoint by taking into consideration natural, historical and cultural resources in a regional area.) Preparation of an integrated "Historical road" improvement and utilisation plan

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30	City	Senior Engineer	Preparation of plan for development of cases surrounding a new interchange (4 months) (Serving as the coordinator between the authorities concerned and the localities and working in tie-up with both parties, Mr. A worked out a plan.)
Sum of Experiences in responsible Charge of Significant Engineering Work (Shaded)			25 months

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D. Example IV

DETAILED DESCRIPTION OF TWO YEARS EXPERIENCES IN RESPONSIBLE CHARGE OF SIGNICANT ENGINEERING WORK

Concerning "Experiences in the execution of engineering work under complicated conditions, or engineering work requiring new concepts, or engineering work involving a plurality of different disciplines", the contents of more realistically presumed experiences are described below.

1. Experiences as chief or higher-position engineer (not in assisting engineer position) in charge of engineering work executed under complicated conditions.

   Complicated conditions

   - The site is topologically complicated.
   - Other structures are located close to the planned structures.
   - There are strict safety and environmental requirements.
   - The construction schedule is tight.
   - There are many authorities concerned among which coordination is required.
   - Public relations are difficult.

2. Experiences as chief or higher-position engineer (engineer not in assisting position) in charge of engineering work requiring new concepts.

   - New concept
   - New technologies
   - New working methods
   - New solutions
   - New techniques

3. Experiences as chief or higher-position engineer (engineer not in assisting position) in charge of engineering work involving a plurality of different disciplines.

   - Engineering work requiring expertise covering various disciplines;

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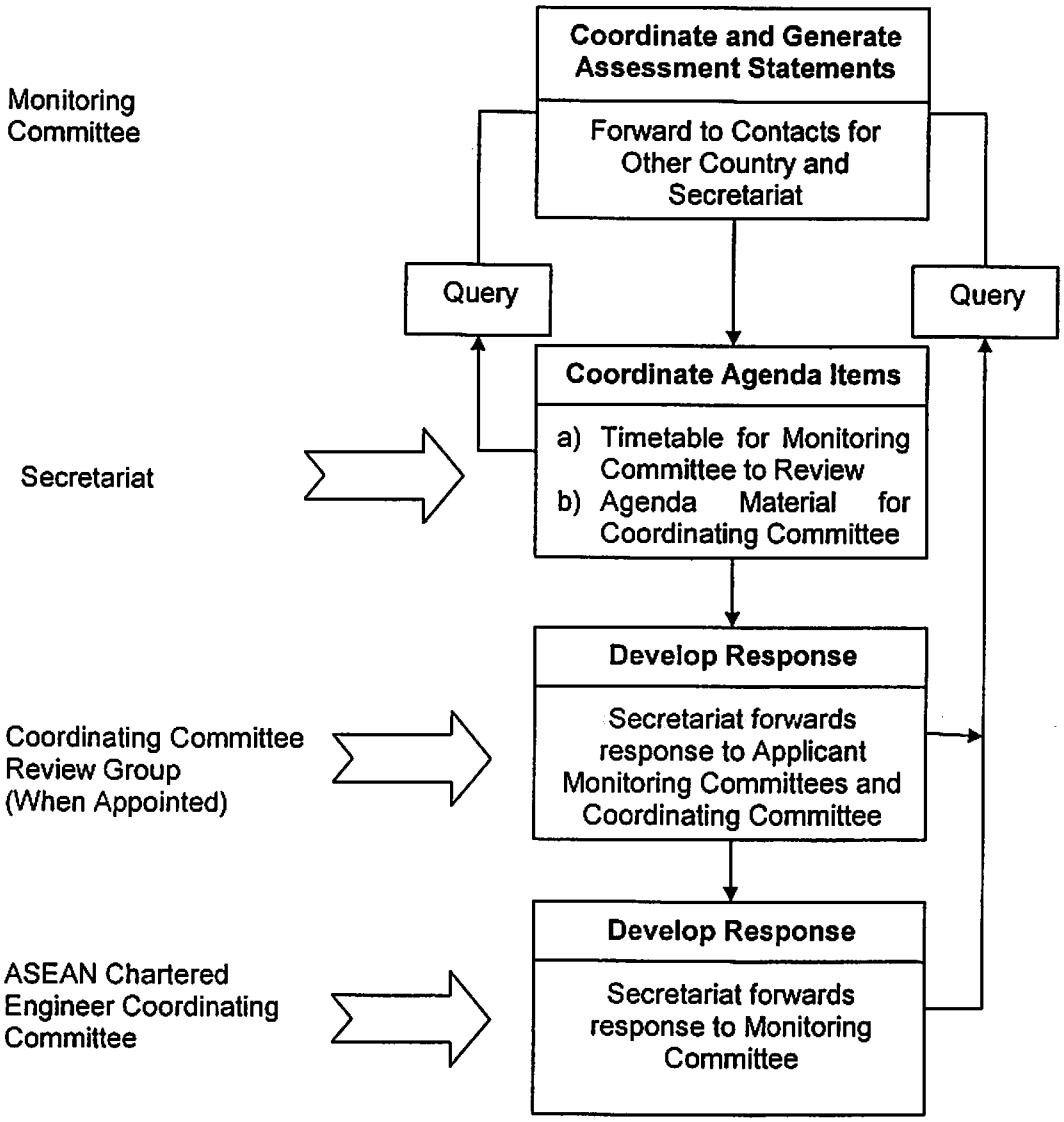
- Engineering work in which a plurality of different disciplines is involved or engineering work requiring coordination among the engineers of different disciplines.

4. Experiences in engineering work equivalent to 1 through 3 above.

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E. EXAMPLE V

ASSESSMENT STATEMENT FLOW CHART



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