

Presented at the FIG Working Week 2016,  
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# Developing a Roadmap for ASEAN Mutual Recognition

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*Based on the work of Land Equity International and the ASEAN Surveyor  
Working Group, supported by Australian Aid.*



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# Overview

- Structure of the project
- Discussion of mutual recognition
- The ASEAN Mutual Recognition Arrangement
- Roadmap
- Templates towards mutual understanding, mutual trust
- Next steps and global possibilities



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# ASEAN

The ASEAN Economic Community (AEC)



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# Project Objectives

## LONGER TERM OUTCOMES:

- (1) Systematic and effective implementation of ASEAN MRAs.
- (2) Freer movement of services professionals in ASEAN in general, and specifically of surveying professionals.

## PROJECT OBJECTIVE:

To assist ASEAN to transform its existing Mutual Recognition Framework on surveying and services, and other relevant initiatives, into a well-functioning mechanism to facilitate mobility of professionals by developing an appropriate roadmap/implementation plan.

### Stage 1: Inception

*Develop literature review, approve workplan, engage key stakeholders.*

### Stage 2: Needs Assessment

*Assess the present state of mobility of professionals and explore possible formats of eventual mobility.*

### Stage 3: Develop Roadmap

*Develop an appropriate roadmap towards mobility of surveying professionals in ASEAN.*



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# Project Structure and Activities

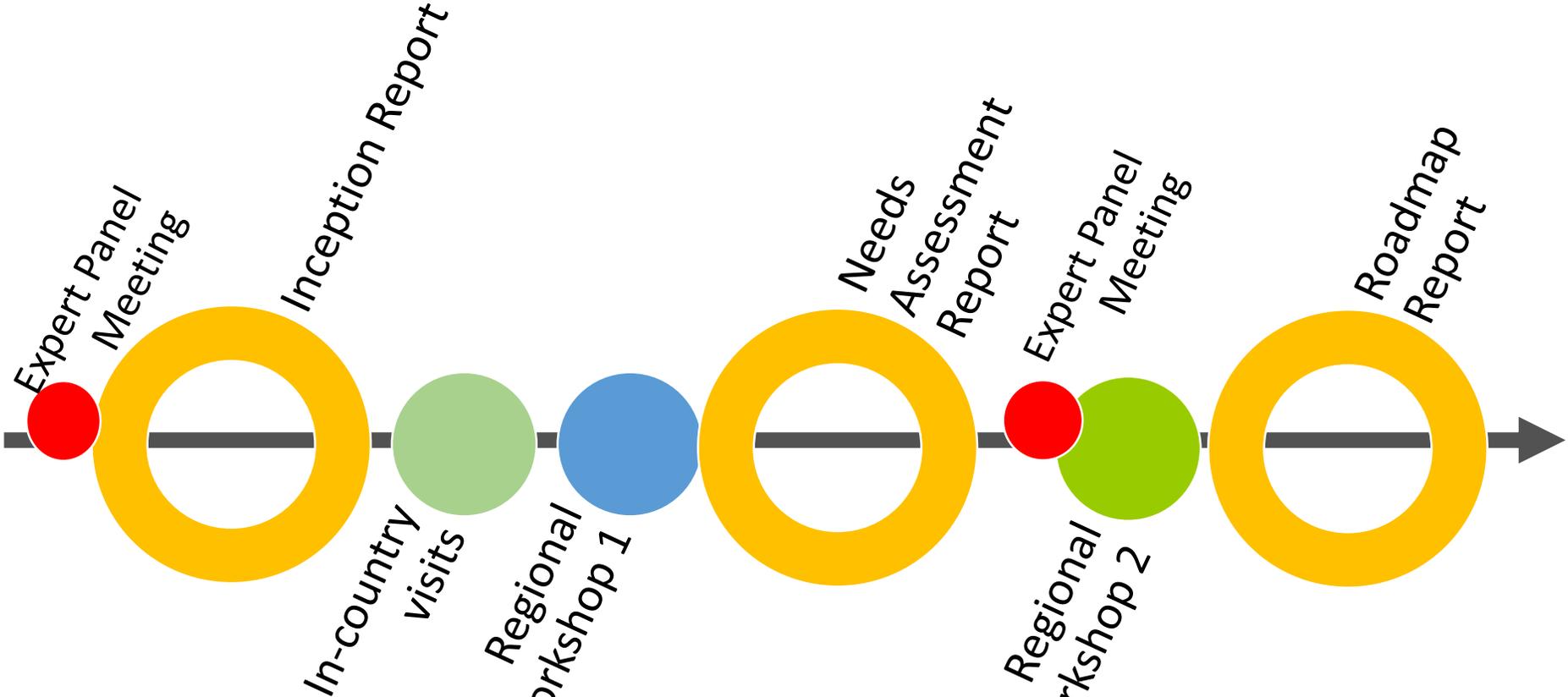


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# What is Mutual Recognition

*Mutual recognition is a process which allows the qualifications gained in one country (the home country) to be recognised in another country (the host country).*

FIG Publication No. 27



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# What is Mutual Recognition

EU	Mutual Recognition is a device <b>for securing the free movement of professionals</b> within the single market.
WTO	Mutual Recognition is a device <b>for creating a global marketplace for services.</b>
FIG	Mutual Recognition is a device <b>to ensure global exchange of professional qualifications</b> - through a concept that serves the nature of the surveying profession.



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# What is Mutual Recognition

- Requires MUTUAL UNDERSTANDING and MUTUAL TRUST
- Does not relate to “getting a job”
- May relate to
  - becoming a member of a professional association
  - Setting up a company in a host country
- Crucial to the context of an individual wanting to practice within a licensed field in a host country.



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# What is Mutual Recognition

## **Key conditions of mutual recognition are (from WTO, 1997):**

- Degree-level entry to the profession in both countries;
- Appropriate regulation of the profession in the "host" country;
- A corresponding profession;
- An adaptation mechanism; and
- Willingness to trust the professionalism of migrants.



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# What is Mutual Recognition

- **Core elements of these pre-conditions then include:**
  - Equitable access to education;
  - Accepted regulation mechanisms (eg. Survey boards or professional associations) present in each country, or regionally;
  - A baseline standard against which assessment – and adaptation – can be made.



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# Foundation of Mutual Recognition in ASEAN

- World Trade Organisation General Agreement on Trade in Services – 1994
- ASEAN Framework Agreement on Services - 1995
- ASEAN Coordinating Committee on Services (CCS)
  - Mutual recognition arrangements for identified professional services agreed in July 2002 and in July 2003 mutual recognition of surveying qualifications proposed
- ASEAN Framework Arrangement for the Mutual Recognition of Surveying Qualifications – 19 November 2007



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# Foundation of Mutual Recognition in ASEAN

- **Founded on objectives of ASEAN Framework Agreement on Services (AFAS)**
  - Enhance cooperation in services
  - Improve efficiency and competitiveness
  - Eliminate restrictions to trade in services
  - Liberalise trade in services
- **Recognises that qualifications are an essential component and that AMS have different development levels**



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# The ASEAN Mutual Recognition Arrangement (MRA) on Surveying Services

## Objectives:

- Framework and basis for country-country MRAs
- Exchange of information to promote trust and best practices

## Definitions/Terminology

- Host country / Home Country
- FIG Definition of a Surveyor *but excludes planning and urban development*



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# The ASEAN Mutual Recognition Arrangement (MRA) on Surveying Services

## Basis of Recognition:

- 3.1 Education meets requirements of home country. Host country accepts.
- 3.2 “may be a need” for exam
- 3.3 Minimum amount of experience
- 3.4, 3.5 Accessibility and equity of process
- 3.6 Ethics
- 3.7 *AMS agree that basis of recognition requirements in accordance with spirit of standards and guidelines of FIG*



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# The ASEAN Mutual Recognition Arrangement (MRA) on Surveying Services

## Rights to Regulate

- MRAs shall not reduce, eliminate or modify the rights, powers and authority of each AMS to set and regulate necessary laws, rules, regulations, national policies, standards, requirements.
- AMS to exercise regulatory powers in good faith.

## General Activities

- 5.1 Build confidence through standards, best practice and exchange of information
- 5.2 Responsibilities to undertake subsequent MRAs, M&E, promote CPD, exchange information



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Appendix III

PROPOSED OUTLINE FOR A  
MUTUAL RECOGNITION ARRANGEMENT OF  
SURVEYING QUALIFICATIONS

(Refer to Article 6.1)

Mutual Recognition Arrangement  
on Surveying Qualifications  
between  
<Listing of Competent Authorities  
Participating in the Arrangement>

1.0 Purpose

The purpose of this MRA is to establish the conditions under which a Surveying Professional in one jurisdiction may have his/her qualifications recognised in another jurisdiction that is a Party to this Arrangement pursuant to the ASEAN Framework Arrangement for the Mutual Recognition of Surveying Qualifications.

2.0 Definitions

3.0 Terms and Conditions

4.0 Terms of Recognitions

5.0 Administration of the Arrangement

**IN WITNESS WHEREOF**, the undersigned, being duly authorised by their respective governments, have signed this Mutual Recognition Arrangement on Surveying Qualifications.

**DONE** at ....., on ..... in ..... copies in the English language.



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# Analysis of Key Issues for MR in ASEAN

- Different levels of development, education, registration and licensing systems
- Lack of common definition of surveying services
- Private sector engagement
- Appropriate representation and participation
- Information sharing between countries
- Institutional capacity development and regional ownership
- Sustainability of the profession



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# Present status of MR In ASEAN

- Mutual recognition is **already technically operational**
- Registration practices are **typically open to non-nationals**
- **Companies** are also working internationally in the region
- National regulation is typically applied in the **cadastral sector only**
- Mutual recognition applies **to private surveyors only**



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# So what's the core need?

- **Sustainability of the profession!**

- Sharing information
- Supporting development / less developed – achieving SDGs
- Create aspirational standards and pathways
- Promoting young surveyors



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# Form of Future Mobility of Surveying Professionals in ASEAN

- Education
  - *identifying common standards and cooperation on surveying education*
- Institution
  - *identifying models for the establishment and operation of survey boards and professional associations*
- Profession
  - *Specific steps towards bilateral mutual recognition and potentially an ASEAN Standard*



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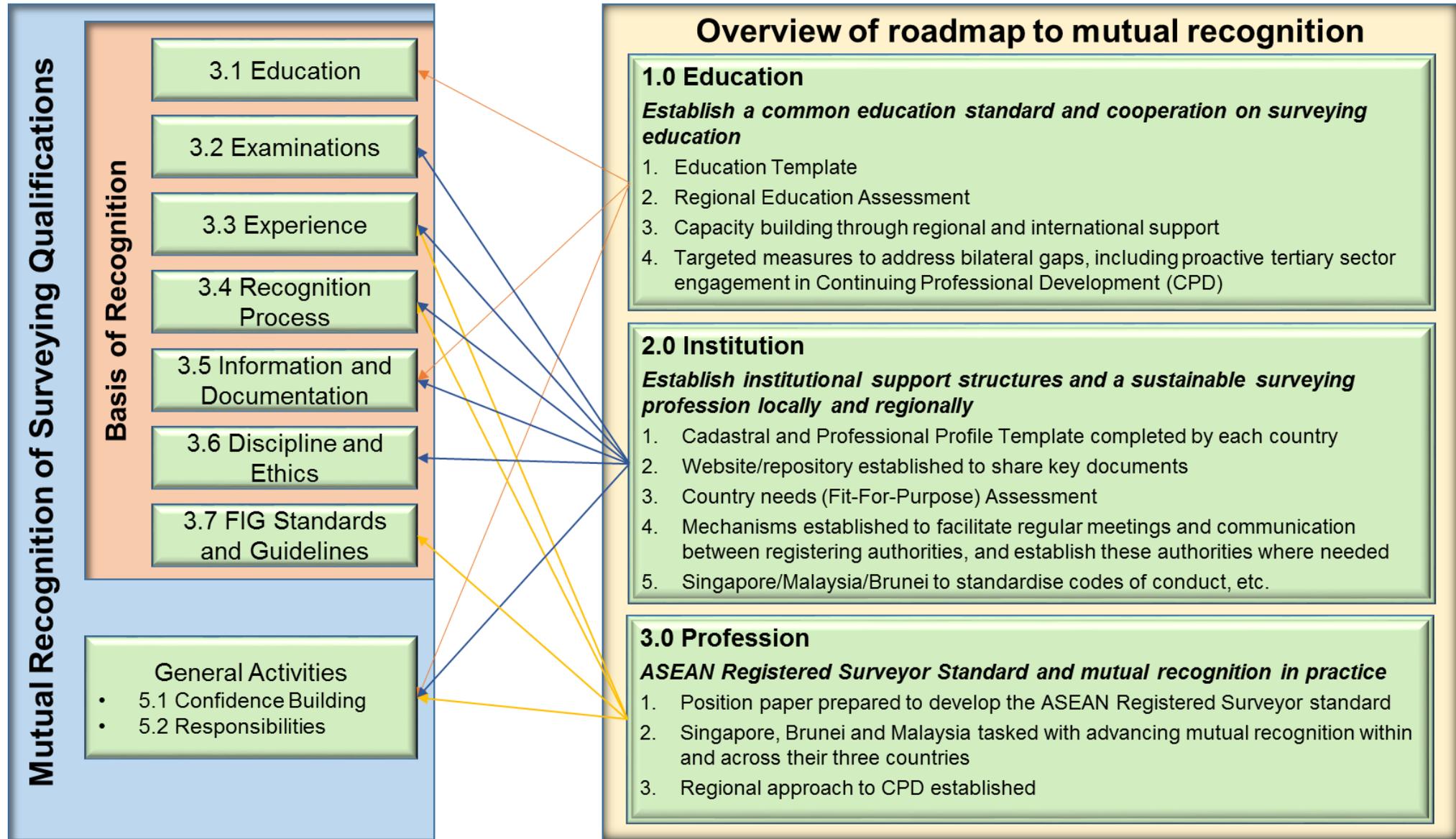
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# Cadastral Template

- [www.cadastraltemplate.org](http://www.cadastraltemplate.org)



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# Cadastral Template 2.0

[Home](#) | [Countries](#) | [Comparisons](#) | [Documents](#) | [About](#) |

## Home Page

The "Cadastral Template 2.0" has been developed by a research group at the Centre for SDIs and Land administration, Department of Infrastructure Engineering of the University of Melbourne and it was established under UN mandate by Resolution 4 of the 16th UNRCC-AP in Okinawa, Japan in July 2003. It consisted of Professor Abbas Rajabifard, Dr. Daniel Steudler, and Professor Ian Williamson, supported by Professor Stig Enemark from Aalborg University, Denmark. PCGIAP-Working Group 3 "Cadastre" cooperates with FIG-Commission 7 to place the country information jointly on this website and to maintain the information during its 2003-2006 Work Plan.

### Participating countries



**CSDILA**  
THE CENTRE FOR SPATIAL  
DATA INFRASTRUCTURES  
& LAND ADMINISTRATION



Schweizerische Eidgenossenschaft  
Confédération suisse  
Confederazione Svizzera  
Confederaziun svizra



THE UNIVERSITY OF  
MELBOURNE



# Education Template

Measurement Sciences (30 credits)	Spatial Information Management (15 credits)	Land Management (15 credits)	Common Subjects (35 credits)
<u>Compulsory</u> Survey Engineering 3 Numerical Anal in Geom 3 Survey with Construct. 3 Global Geodesy 3 Adjustment Computation 3 Field Practice Topo 3 Field Practice Route 3 High Precision Survey. 3 Satellite Surveying 3 Modern Integ.Surv.Tech. 3	<u>Compulsory</u> Geospatial Info. Science 3 Photogrammetry and RS 3 GIS 3 Adv. Remote.Sens. 3 Geosp. Info and Visual 3	<u>Compulsory</u> General Geology 3 Hydrology for Surv.Eng. 3 Field Prac. Prec.Surv. 3 Field Prac. Dig. Mapp. 3 Survey Eng.Project 3	<u>Mathematics&amp;Statistics</u> Calculus I / II / III 9 Eng. Statistics 3 Math Tools for Geom. 3 <u>Basic Sciences</u> Gen. Chemistry + Lab 3+1 Gen. Physics + Lab 3+1 <u>Engineering Courses</u> Engineering Drawing 3 Descriptive Drawing 3 Exploring Eng. World 3 Eng. Materials 3 Computer Programming 3 Eng. Mechanics I 3 Fund. Of Civil Eng. 3 Eng. Essentials 3

# Professional Profile Template

## Professional Profile Template

### Country:

<image>

### Short general description:

*Include general geographic and demographic information, and a brief summary of any pertinent information from the cadastral template (be careful not to overlap).*

*Note any variation in the definition of a surveyor, compared with FIG, with specific emphasis on which streams are regulated, if any.*

### Professional (representative) associations

*Include professional associations, trade associations, learned societies, umbrella organisations*

*# members, aims, etc. Note if FIG and/or AFLAG members*

### Process for Registration

*Identify the requirements to become registered, noting particularly education, personal qualities and experience requirements.*

## Legislation

Provide a list (include objectives where possible) of key legislation and policies that impact the practice of surveying by government and the private sector.

## Map Scales

Detail basic map scales:

Employment area	Area of work Brief description	App. No. University Degree	App. No. Tech College Degree
<b>Public sector</b>			
<b>National level</b>			
Survey Department	>Insert description of work area<		
.....			
<b>Regional level</b>			
County ies			
.....			
<b>Local level</b>			
Municipalities			
.....			
<b>Private sector</b>			
Cad. Surv. companies			
Engineering companies			
GIS companies			
Planning companies			
Utility companies			
Oil & Gas			

# Next steps

- Roadmap (next slides) *for ASEAN*
- Review methodology *for use in other regions?*
- Possible Capacity Assessment of individual (ASEAN) countries?

Integrate findings/outcomes into Commission 1 WG



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# IMPLEMENTATION OF MOBILITY OF SURVEYING SERVICES

## A ROADMAP

Early-harvest: due end 2016

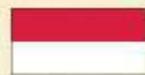
### ALL TEMPLATES DRAFTED

- Cadastral
- Education
- Professional Profile



### EDUCATION SECRETARIAT

Established  
by Indonesia



### DATA SHARING

All countries to  
update; a website  
established if  
possible.



### BILATERAL MUTUAL RECOGNITION

Piloted by  
Malaysia,  
Brunei and  
Singapore



FIG

CHF  
2-6

# Mid-term: 2-3 years

## REGIONAL ANALYSIS

undertaken by external consultant on EDUCATION and a FIT FOR PURPOSE profession



## JOINT BOARD MEETING

opened to Philippines and Indonesia; eventually all



## ASEAN FLAG VISITS

AFLAG representatives invited to help with Professional Association set-up

# Supporting activities

## REGIONAL CPD

CPD events and requirements shared



## TWINNING

Bilateral twinning arrangements established between universities, Professional Associations and/or Boards

## INTER-REGIONAL LINKAGES

Foster and build on proactive linkages with Australasia as well as UN-GGIM, FIG and others



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# Thank you!

- Sincere thanks to AADCPII and ASEAN Surveyors Working Group !
- For more information, please email: [kfairlie@landequity.com.au](mailto:kfairlie@landequity.com.au)



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