



THE ASEAN FEDERATION OF LAND SURVEYING AND GEOMATICS

Minutes of the 45th Council Meeting

Held on 19th March 2012 (Thursday)

at Four Seasons Function Room, 3rd Floor, Green Land Hotel, Kunming, Yunnan, China

Present:

Surveying and Mapping Society, Thailand - Dr Wicha Jiwalai	- President
Survey Department, Brunei Darussalam - Tuan Haji Jamil bin Hj Mohd Ali	- Senior Vice President
Singapore Institute of Surveyors and Valuers - Mr. See Seng Guan	- Imm. Past President II
Singapore Institute of Surveyors and Valuers - Mr. Gerry Ong	- Hon. Secretary General
Brunei Institute of Geomatic – Pengiran Matusin Matasan	- Hon. Treasurer General
Yunnan Association for Surveying and Mapping (YASM), China - Mr Liu Ji Yuan	- Council Member
Yunnan Association for Surveying and Mapping (YASM - Mr Douglas Xu Ji-zhong	- Council Member
BAKOSURTANAL, Indonesia - Mr. Sugeng Prijadi	- Council Member
Association of Authorised Land Surveyor Malaysia - Teo Chee Hai	- Council Member
Institution of Surveyors Malaysia- Dr Khoo Boon Khean	- Council Member
Philippines National Mapping and Resource Information Authority (NAMRIA)- Mr Nicandro Parayno	- Council Member

Representation of Council

Southern Natural Resources and Environment Company Ltd – Mr Tran Viet Dung (on behalf of Pham Chi Tich)	- Council Member
Land Surveyor Board, Malaysia - Mr Abu Hamid Bin Selamat (on behalf of Dato' Prof. Sr Dr Abdul Kadir bin Taib - Land Surveyor Board, Malaysia)	- Council Member

Observers :

Brunei Survey Department – Haji Zakaria Aman	- Brunei
Brunei Survey Department – Pg Aliuddin Pg Ibrahim	- Brunei
Yunnan Association for Science and Technology - Lai Yongliang	- China
International Department of Yunnan Association for Science and Technology - Gao Xueming	- China
International Department of Yunnan Association for Science and Technology – Wang Liuxia	- China
Consulting Department of Yunnan Association for Science and Technology - Wang Lin - China	
Business Department of Consulting Department of Yunnan Association for Science and Technology - Ma Liping	- China
Consulting Department of Yunnan Association for Science and Technology- Yin Yanrong	- China
Consulting Department of Yunnan Association for Science and Technology - Li Leibing	- China
Consulting Department of Yunnan Association for Science and Technology - Long Juan	- China
Consulting Department of Yunnan Association for Science and Technology - Cao Shaoyun	- China
Tech-information Center of Yunnan Association for Science and Technology - Ke Zunming	- China
Yunnan International Travel Service for Science and Technology - Zhu Yujin	- China

The National Administration of Surveying, Mapping and Geoinformation of China - Peng Zhenzhong - China

The National Administration of Surveying, Mapping and Geoinformation of China, General Office
- Ma Zhenfu - China

The National Administration of Surveying, Mapping and Geoinformation of China,
Academic Exchange Office - Ma Zhiyong - China

Hubei Bureau for Surveying and Mapping & Hubei Province Society for Geodesy,
Photogrammetry and Cartography - Zhang Jianren - China

Hubei Province Society for Geodesy, Photogrammetry and Cartography - Gao Changyuan - China

Hubei Surveying and Mapping Institute - Wang Bo - China

Hubei Geomatics Information Center - Li bing - China

Hubei Province Mapping Institute - Li Yongfeng - China

Hubei Bureau for Surveying and Mapping - Liu Liangli - China

Hubei Bureau for Surveying and Mapping, Assurance Center - Gao Shuguang - China

Hubei Geomatics Information Center - Yang Li - China

Yunnan Bureau for Surveying and Mapping - Geng Hong - China

Yunnan Association for Surveying and Mapping - Li Yunpeng - China

Yunnan Association for Surveying and Mapping - Li Yukun - China

Yunnan Association for Surveying and Mapping & Yunnan Division of South Surveying and
Mapping Instrument Co. Ltd. - Tang Shengqing - China

Yunnan Association for Surveying and Mapping - Zhang Hongbin - China

Yunnan Bureau for Surveying and Mapping - Wei Xiaoyan - China

Yunnan Reporter Station of China Surveying and Mapping Newspaper Office - Hong Ying - China

Kunming Technical College of Metallurgy - Zhao Wenliang - China

Foreign Affairs Office of Kunming Technical College of Metallurgy - Zhao Zhangliang - China

Siwei Worldview Technology (Beijing) Co. Ltd - Xu Liping - China

Southwest Division of Siwei Worldview Technology (Beijing) Co. Ltd., - Kan Da - China

Southwest Division of Siwei Worldview Technology (Beijing) Co. Ltd. - Zhou Jinsong - China

Surveying and Mapping Department of Beijing Eastdawn Information
Technology Co., Ltd. - Zhang Yonggang - China

Marketing Center of Beijing Eastdawn Information Technology Co., Ltd. -Yang Mingjun - China

Surveying and Mapping Department of Beijing Eastdawn Information
Technology Co., Ltd. - Li Dongwei - China

International Trade Department of Hi-Target Survey Instruments Company Ltd. - Liang Huolian - China

International Trade Department of Wuda Geoinformatics Co., Ltd - Liu Jian - China

International Trade Department of Wuhan Zondy Co., Ltd. - Zheng Shuting - China

PASCO China Corporation - Sato Mitsuru - China

PASCO China Corporation - Shen Tao - China

Overseas Sale Department of Shanghai Huace Navigation Technology LTD - Yin Qing - China

SilverData Spatial GIS Co.Ltd., Xiamen - Feng Bilian - China

SUYOO Beijing Co. Ltd. - Bi Jiantao - China

Guangxi First Surveying and Mapping Institute - QIU XIAO Chun - China

Indonesian Survey and Mapping Enterprises for Geospatial Information
(APSPIG) - H. Ariffin Tjekiagus -Indonesia

Royal Institution of Chartered Surveyors (RICS) - Ong See Lian - Malaysia

Royal Institution of Chartered Surveyors (RICS) - Richard Li - China

Rasa Surveying (RASA) - Raymund Alberto - Philippines

RC Tollo Surveying Services - Richard C. Tollo - Philippines

National Mapping and Resource Information Authority (NAMRIA)- Febrina Damaso - Philippines

National Mapping and Resource Information Authority (NAMRIA) - Connie Bringas - Philippines

CAK & FG SURVEY PTE LTD - Goh Swee Cheh - Singapore

Chia Aik Kok Survey Consultant - Chia Aik Kok - Singapore

Eddyswee Consultants & Registered Surveyor - Suey Hueh King - Singapore

How Huai Hoon Surveyors - Lau Hua Peng - Singapore

JKFoo Consortium Pte Ltd - Foo Jong Kan - Singapore

Southern Natural Resources and Environment Company - Nguyen Thanh Thuy	- Viet Nam
Southern Natural Resources and Environment Company - Tran Thi Tuyet Nhung	- Viet Nam
Staff of Planning Management Southern Natural Resources and Environment Company - Phan Hoa Vy	- Viet Nam
Taiwan Great Wing Airline Co. Ltd. & Taiwan Consortia of Surveyors - Toby Kao	- Taiwan
Taiwan Great Wing Airline Co. Ltd. & Taiwan Consortia of Surveyors - George Tsao	- Taiwan
Taiwan Qunli Technology Co. Ltd. & Taiwan Consortia of Surveyors - Simon Lee	- Taiwan
Taiwan Qunli Technology Co. Ltd. & Taiwan Consortia of Surveyors - Rober Ho	- Taiwan

In Attendance:

Ms Manisah Jalil	- Secretariat
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Absent with Apologise

RSV Geoconsulting and Management Services - Mr Randolph S. Vicente	- Vice President
BAKOSURTANAL, Indonesia - Diah Kirana Kresnawati	- Imm. Past President I
The National Land Agency, Indonesia - Mr Irawan Sumarto	- Council Member
Pejuta Setia Pte Ltd - Syed Mohamad Nasir Dato' Syed Tahir	- Council Member
Land Surveyor Board, Malaysia - Dato' Prof. Sr Dr Abdul Kadir bin Taib -	- Council Member
Land Surveyors Board of Singapore - Dr Tor Yam Khoon	- Council Member
Dept. of Survey Engineering, Chulalongkorn University - Itthi Trisirisataya-Wong	- Council Member
Ho Chi Minh City Association of Geomatics – Vu Hoang Anh	- Council Member
Southern Natural Resources and Environment Company Ltd - Pham Chi Tich	- Council Member

	MATTERS DISCUSSED	ACTION BY
	<p><u>ADOPTION OF AGENDA</u></p> <p>The President called the meeting to order at 9.00am and thanked all delegates and observers present for their efforts to attend the 45th Council meeting cum One Day Seminar. He expressed with today's meeting proceeding, AFLAG is historically has reached its 10 years anniversary.</p> <p>The Agenda, as circulated, was tabled with addition and amendments as depicted below. As there were no objections, the agenda was thus unanimously adopted as proposed by Dr Khoo Boon Khean and seconded by See Seng Guan as follows;</p> <ol style="list-style-type: none"> 1. Opening Address and Announcement <ol style="list-style-type: none"> 1.1. Address by the President 1.2. Welcome Speech by YASM 2. Confirmation of the Minutes of 44th Council Meeting held on 20th October 2011 at Bangkok, Thailand 3. Matters arising from the Minutes of 44th Council Meeting 4. Approval of New Membership Application (if any) 5. Report by the Honorary Secretary General 	<i>Info.</i>

	MATTERS DISCUSSED	ACTION BY
	<p>6. Financial Report by the Honorary Treasurer General</p> <p>7. Report by the National Representatives (if any)</p> <p>8. ASEAN MRA Updates</p> <p style="padding-left: 20px;">8.1. Curriculum Assessment in pursuance to MRA – By Randolf</p> <p>9. Updates on 12th SEASC By Philippines</p> <p>10. Any other matters</p> <p style="padding-left: 20px;">10.1 AFLAG One-day International Seminar, 20th March 2012</p> <p style="padding-left: 20px;">10.2 Discussion on Initial Steps for the Preparation of the Corporate Plan of AFLAG</p> <p>11. Confirmation of Venue of the next ASEAN FLAG Council Meeting</p> <p>12. Adjournment</p> <p>13. Housekeeping Announcement by Host</p>	
1.0	Opening Address And Announcement	
1.1	<p>Address By The President</p> <p>Dr Wicha welcomed the delegates and AFLAG members for attending this Council Meeting. Though it may be a long journey, he assured the hospitality received in Kunming coupled with good weather ensured the delegates stay be memorable. The President expressed his gratitude and thanked the hosts, the sponsors and everyone that makes the event possible.</p> <p>The President introduced the distinguished guests which are the RICS President, Mr Ong See Lian followed by introducing a familiar face wearing different hats, President Teo Chee Hai (FIG President and also AFLAG Council Member, the honourable hosts, Mr Lai Yongliang and Mr Liu Ji Yuan and lastly Mr Zhang Jiaren, the Director of Hubei Bureau Surveying and Mapping, who is also a long-time friend of AFLAG expressed Dr Wicha.</p>	<i>Info.</i>
1.2	<p>Welcome Speech by YASM</p> <p>Mr Lai Yonglian was invited to address his welcome speech to the local and overseas delegates. His speech was delivered in Mandarin and a simultaneous translation was carried out in English.</p>	<i>Info</i>
2.0	Confirmation of the minutes of 44th Council Meeting	
2.1	<p>The Minutes of the 44th Council Meeting held on 20 October 2012 at Bangkok, Thailand, was confirmed as proposed by Pg Matusin and seconded by See Seng Guan with the following amendments:</p> <p>Referring to item 3.8 – To be read as follows: “<i>Dr Wicha informed that Itthi is an associate professor with 14 years of experience....</i>”instead of “Dr Whicha informed that Dr Ihhi is an associate professor.....”.</p> <p>Referring to item 7.5 - To be read as follows: “<i>The new licence land surveyors regulation has been gazetted effective from 1 October 2011</i>” instead of “... gazetted effective from 21 October 2011”.</p>	<i>Info.</i>

	MATTERS DISCUSSED	ACTION BY
<p>3.0</p> <p>3.1</p>	<p>Matters arising from the Minutes of 44th Council Meeting</p> <p>Referring to the Attendance List The main body of the AFLAG Council consists of institutional member and is represented by member or its representative, highlighted by Dr Khoo Boon Khean. Hence, he considered the Brunei Survey Department attendance as present and was represented by its deputy. The Brunei Survey department should not be considered as an observer under the attendance list, expressed Dr Khoo Boon Khean. He further added we should name the professional body first followed by the individual person name since membership is admitted through company / organisation / association and the body pays for the membership fee. Other factors included that the appointed personnel may not have the time to attend the meeting and may assigned someone on his behalf. The initial stage of AFLAG recognises only the institution not by individual names.</p> <p>Dr Wicha informed to be a Council member, one needs to be seconded by the Institution however we do not have an alternative. Therefore, the Council member goes by the name of the individual person that is seconded by the Institution. He will check again and revert to member when the issue was raised again by members</p>	<p><i>Gerry Ong & Secretariat</i></p>
<p>3.2</p>	<p>Referring to item 3.2 - Mutual Recognition of Qualifications</p> <p>Pg Matusin reported the Coordinating Committee on Services (CCS) meeting was given too short of a notice and therefore not many country representatives managed to turn up. The MRA Framework meeting should be held much earlier in Bangkok however it was deferred due to flood. Hence, it was brought forward to Solo, Indonesia instead. Although the quorum at Solo was not met, an informal discussion still pursued. Members felt the discussion of the informal meeting still need to be reported to AFLAG members.</p> <p>Pg Matusin stressed the need for the regulatory authorities to be present at the meeting to move the initiatives forward. The issue of the MRA on qualification was not presented at the CCS meeting held in Cambodia. It will be presented in the CCS meeting held in Hanoi later this year, which is likely to be in May or June. Not much movement as far as MRA framework is concerned and the Working Committee looks forward for more to be done in the coming meetings.</p> <p>Dr Wicha added we may have to wait for Brunei, Malaysia and Singapore to come up with bilateral or trilateral agreement. It was also suggested in the informal discussion to split into three groups while waiting for the outcome from the three countries (Singapore, Brunei & Malaysia).</p> <p>The proposed three groups are as follows:</p> <ul style="list-style-type: none"> • 1st Group – Singapore, Brunei and Malaysia (all three countries more or less have similar British system) • 2nd Group – Thailand, Indonesia and Philippines (are more towards engineering) • 3rd Group – Myanmar, Vietnam, Laos & Cambodia (these countries are controlled by the government) <p>To understand further on MRA in Surveying it should be noted that the 10 members countries Competent Authority Representatives are from the government official or authorised by her. Furthermore, Surveying is among the seven professionals to be first implemented in the AEC (the ASEAN Economic Community) in 2015. Representatives attending the meeting must be approved by the government. All officials attending the MRA meetings must be reported to the ministers. Although they monitor the registration of registered surveyors, the officials from the registered office attending the meeting may not be sure of the practical situation or bottleneck, explained Dr Wicha.</p> <p>Dr Wicha further added AFLAG comprises the private surveying companies, government sectors and professional associations and therefore would be able to reach its objectives.</p>	<p><i>Info.</i></p> <p><i>Note</i></p> <p><i>Info</i></p> <p><i>Info</i></p>

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	<p>Hotel.</p> <p>6.15pm Speech by Geng Hong, Director Yunnan Province Bureau for Surveying and Mapping</p> <p>8.00pm End of Day 1</p> <p>Day 2- 19th March 2012</p> <p>8:30am : Registration</p> <p>9.00am : 45th Council Meeting Welcome speech by Lai Yongliang, Vice Director, Yunnan Province Society for Science and Technology</p> <p>10:30am: Coffee break and the exhibition of instrument</p> <p>11:00am: Short speech by Platinum' Sponsor, South Surveying and Mapping Instrument Co.Ltd. Council Meeting continues</p> <p>12:30pm: Lunch hosted by AFLAG.</p> <p>14:00pm: Council Meeting continues Short speech by Silver Sponsor, Beijing Eastdawn Information Technology Co., Ltd.</p> <p>16:00pm: Coffee break and the exhibition of instrument</p> <p>16:30pm: Council Meeting continues</p> <p>17:30pm: End of Council Meeting</p> <p>17:50pm: Gather at the hotel lobby</p> <p>18:00pm: Delegates have dinner at Muslim restaurant (Dubai Club Kunming)</p> <p>Day 3 – 20th March 2012</p> <p>8.30am: Opening Ceremony and Keynote Presentation for the Seminar on ASEAN Surveying Community.</p> <p>10:00am: Photo taking session Coffee break and the exhibition of surveying instrument.</p> <p>10:30am: Short speech by the Gold sponsor, Siwei Worldview Technology (Beijing) Co. Ltd. Seminar commences</p> <p>12:30pm: Buffet lunch hosted by the Siwei Worldview Technology (Beijing) Co. Ltd.</p> <p>14:00pm: Seminar continues</p> <p>16:00am: Coffee break and the exhibition of surveying instrument</p> <p>16:30pm: Seminar continues</p> <p>17:30pm: End of Seminar</p> <p>17:50pm: Gather at the hotel lobby</p> <p>18:00pm: Delegates take bus to the Muslim restaurant (Alladin Restaurant)</p> <p>18:30pm: Dinner hosted by the Platinum' sponsor, South Surveying and Mapping Instrument Co.Ltd</p> <p>Day 4 – 21st March 2012</p> <p>8:30am: Delegates take bus to YAST. Meeting with YAST leader.</p> <p>9:00am: Speech by YAST leaders and souvenir presentation to AFLAG. Speech by President of AFLAG Dr. Wicha, and present souvenirs to YAST</p>	

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	<p>Speech by President of FIG Mr. Teo Chee Hai.</p> <p>Speech by President of RICS Mr. Ong See Lian followed by signing memorandum of understanding between YAST and RICS.</p> <p>10:00am: Discussion</p> <p>11.00am: End of event</p> <p>Delegates returned to home country</p>	
6.0	<u>Financial Report By Honorary Treasurer General</u>	
6.1	Pg Matusin is pleased to report the AFLAG account is in sound standing attributed from the generous contribution from the Royal Institution of Surveyors Malaysia to the Congress last June 2011.	<i>Info.</i>
6.2	<p>Pg Matusin raised the issue of outstanding subscription and will work to reduce the amount in good time. Secretariat is send reminder to members.</p> <p>Meeting noted the recommendation for the Council to write off due to lapses on subscription fee by one of the Vietnamese association. Before deciding, meeting was reminded one of the AFLAG Council meeting venue will be held in Vietnam next year. Meeting suggested checking the existence of the association because as far as they knew the body is split into two.</p>	Secretariat (to check with the association)
6.3	AFLAG is also to take note to submit the financial statement to the government of Malaysia. The financial year is from August to August. The audited account will be submitted to the Register of Society to fulfil the governing requirement. Secretariat is to monitor and keep track of the matter.	Secretariat
7.0	<u>REPORT BY THE NATIONAL REPRESENTATIVES</u>	
7.1	<p>BRUNEI DARUSSALAM COUNTRY REPORT</p> <p>1. LAND SURVEYING ACTIVITIES</p> <p>Survey Department has tendered out more than 120 topographical Survey and other projects to Registered Licensed Land Surveyors. Most of the Topographical Surveys were requested by applicants (client departments).</p> <p>The Survey Department is in the process of tendering out more survey projects such as</p> <ul style="list-style-type: none"> • Utility Survey for strip of roads within the urban area; • Topographical Surveys; • Corridor Surveys; • Gazette Surveys; • Acquisition Surveys; • Precise Leveling <p>The Department needs support from local and regional Surveying Professions and they should work together to undertake the projects for our national development. Technology and knowledge transfer / exchange between private sectors and government are highly emphasized by our government.</p> <p>2. POLICY</p> <p>In order to ensure the quality of the survey works and the accuracy of survey data, the Department has circulated a policy or procedure on the survey works undertaken by Land Surveyors to government departments and other related agencies. Any survey works to be</p>	<i>Info.</i>

	MATTERS DISCUSSED	ACTION BY
	<p>undertaken by the contractors are to be channeled to the Survey Department, so that survey data can be verified and stored in the departmental database. This will avoid duplication of works. The department is asking the licensed land surveyors to use our Geocentric Datum 2009 as a reference horizontal and vertical control points for geodetic applications this is due that the adoption of a global geocentric datum would allow for a single standard for the acquisition, storage and the use of geographic data, thus ensuring compatibility across various GIS applications</p> <p>3. SURVEY SPATIAL DATA INFRASTRUCTURE (SSDI)</p> <p>The Survey Department has embarked a project called A Survey Spatial Data Infrastructure (SSDI) which is commonly defined as “the technology, policies, standards, human resources, and related activities necessary to acquire, process, distribute, use, maintain, and preserve spatial data”.</p> <p>The 1st stage of the project is to web-enable the Survey Department and the 2nd stage is to come up with a public portal. To date, documentations on user requirements and wireframes for both stages have been accepted. The 1st version of the system design is expected to be delivered to Survey Department by 12/03/2012.</p> <p>The production hardware has been delivered to the E-government National Centre and disaster recovery hardware to Survey Department.</p> <p>4. PRODUCTION OF PAPER CHART BRU 569 AND ELECTRONIC NAVIGATIONAL CHART B25C0569 (ENC)</p> <p>The Survey Department is on the way to replace the Admiralty Charts which was produced in 1980s. The ENC means the database, standardized as to content structure and format, issued for use with ECDIS on the authority of government authorized hydrographic offices. The ENC contains all chart information necessary for safe navigation (see 2.2 IMO PS). The project was completed and the covered Bathymetric survey LAT 5° 06.92' N, LONG 115° 09.35' E, LAT 4° 58.21' N, LONG 115° 02.51' E.</p> <p>5. UTILITIES SURVEY PROJECT</p> <p>The Department is in the process of 3 tendering out utilities Survey Project in urban areas of the country. The project will involve collection of all the underground utilities data and produce underground utilities maps. At this stage is waiting for approval from the relevant authorities. The pilot project which covers an area of 5 km² was already completed.</p> <p>6. LINE- MAP EXTRACTION</p> <p>The Survey Department has tendered out a line-map extraction project from the Orthophotos. The purpose of this project is to produce an updated line for Brunei Darussalam. At present, the project is under evaluation and awaiting for approval.</p> <p>7. MUTUAL RECOGNITION AGREEMENT (MRA) ON FRAMEWORK ON SURVEYING QUALIFICATION</p> <p>The Final meeting was held in 19 – 21 February 2008; Siem Reap, Cambodia was attended by Brunei Darussalam, Cambodia, Indonesia, Malaysia, Thailand, and Viet Nam. The MRA had been signed on 19 November 2007 and came into force as of 20 February 2008, three months after signing by all ASEAN Member Countries. It is confirmed that, as provided under Article V of the MRA, all the designated Competent Authorities shall take responsibility to implement the provisions of the Framework Arrangement. Since then, there is no follow up from other organisations or competent authorities. In the last meeting, which was held in Solo, Indonesia on 12 January 2012, The Meeting was chaired by Dr. Wicha Jiwalai from Thailand who is also the President of ASEAN Federation of Land Surveying and Geomatics (AFLAG). The Meeting was attended by representatives from only four ASEAN Member States, namely Cambodia, Indonesia, Lao PDR and Thailand. For this reason, the Meeting agreed to change the title of the Meeting from the Thrid Meeting into Informal Meeting. Brunei Darussalam was represented by one of the licensed land surveyors. In that meeting the possibilities to move forward the implementation of the MRA and the following activities were proposed:</p>	<i>Info</i>

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	<p>Step 1: Study the compilation of Licensing and Registration Rules for Professional Surveying Services</p> <p>Step 2: Clustering the ASEAN Member States into three groups, which will discuss common areas:</p> <ul style="list-style-type: none"> i. Group 1: Brunei Darussalam, Malaysia and Singapore ii. Group 2: Indonesia, Philippines and Thailand iii. Group 3: Cambodia, Lao PDR, Myanmar and Vietnam <p>Step 3: Identify common areas among the group for possible bilateral negotiation on MRA.</p> <p>The next meeting will be held in Siem Reap in Mac 2012, Cambodia .</p> <p>Reported by, Haji Zakaria For Surveyor General BRUNEI DARUSSALAMI</p>	
7.2	<p>CAMBODIA COUNTRY REPORT</p> <p>No report</p>	<i>Info.</i>
7.3	<p>CHINA COUNTRY REPORT</p> <p>The developing Yunnan surveying, mapping and geo-information</p> <p>Dear President Wicha for ASEAN Federation of Land Surveying and Geomatics, President Zhang zhihai for International Federation of Surveyors, President Wang shulin for Royal Institution of Chartered Surveyor, Ladies and Gentlemen:</p> <p>Under the supports of related government agencies at the country and province-level, and in consideration of the needs of social-economic development and human livelihoods, the establishment of Yunnan surveying, mapping and geo-information focuses firstly on the building of fundamental geographic information resources, and based on this resources, the development and application of geographical information system are emphasized, so as to promote the Geospatial Framework construction for Digital Yunnan.</p> <p>By the end of 2011, Yunnan has made progresses as follows: (1) Finished the Geodetic Control Networks (i.e. GPS C-class Network) and the Vertical control Networks (i.e. the third leveling networks); (2) Built databases for digital topographic maps at scale 1 to 1 million to 1 to 50 thousands covering the entire Yunnan Province and at scale 1:10 thousands covering 30.8% area of Yunnan; (3) Acquired 2.5 m resolution satellite images covering Yunnan, and better than 1 m resolution satellite images for 16 city capitals, more than 80 county urban areas and 16 open border ports; (4) "Digital City" for county-level city Anning and prefecture-level city Yuxi are going to be finished; (5) The feasibility report of digital city for another prefecture-level city Honghe has passed the expert's argument; (6) The public spatial information platform for China (Yunnan) - ASEAN Free Trade Area - the South Asian, Association for Regional Cooperation has been set up, and put into operation; (7) The geographic information public service platform of Yunnan province has been deployed successfully on Yunnan province e-government network, and its demonstration projects, industrial economy, new countryside construction and government emergency are tested online; (8) the "TIANDITU·YUNNAN" node has been finished and connected to the "TIANDITU" national node.</p> <p>Geographic Information Resource is nationally one of the most important foundational and strategic resources, and it is playing an increasingly important role in social-economic development.</p> <p>For the next step, Yunnan's focuses regarding the development of surveying, mapping and geo-information are as follows:</p>	<p><i>Info.</i></p> <p><i>Info</i></p>

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	<ol style="list-style-type: none"> 1. Yunnan will finish the Colligation satellite positioning services system which consists of 200 GPS continuously operating reference stations, and finish quasi-geoid refinement of 12000 square kilometers for the main Basin. 2. Acquiring the digital aerial images with better than 0.3 m resolution for cities above of county level, and reacquiring 2.5 m resolution satellite images covering the entire province. 3. Implementing the mapping plan for digital maps at 1:500 to 1:10 thousands scales, by the end of 2015, the digital maps at 1:10 thousands scale will cover the entire area of Yunnan province. 4. Complete the database building for fundamental geographic information at 1:10 thousands scale; 5. Enhancing the integration and sharing of the geographic information resources, building the geographic information application system for Yunnan province government "bridgehead" construction , speeding up the construction of digital city, improving Yunnan geographic information public service platform. 6. Improving the service function of " TIANDITU · Yunnan", promoting the commercial operation of " TIANDITU ·Yunnan" , expanding the social application of " TIANDITU · Yunnan" , thus to make "TIANDITU · Yunnan" better meet the needs of human daily life. 7. Enhancing monitoring of Yunnan Province Geographical condition. Yunnan belongs to the plateau area at lower latitude, and has very special geographical and climate characteristics, with rugged topography, complicated geological conditions and diverse climate conditions. Yunnan usually has abundant rainfall in Summer and is drought in winter, as a result, it is prone to landslides, floods, forest fires and other natural disasters. The rivers of Jinsha, Lancang and Nu flowing through the territory of Yunnan are the upstream regions of Yangtze, Mekong and Salween, respectively. The implementation of Yunnan province geographical condition monitoring has far-reaching significance for the protection of the Three Parallel Rivers Area and the social-economic development of downstream region. 8. Establishing Yunnan geographic information industrial park. In December Fourth 2011, Bureau of Surveying and Mapping of Yunnan Province and Kunming WuHua district government have signed the strategic cooperative agreement for building the geographic information industrial park in Yunnan province. This industrial park will attract the well-known geographic information enterprises from domestic, abroad and Yunnan to be concentrated at the new Kunming pan-Asia Tech area, which helps to promote the industrial scale and cluster development, and improve the innovation ability of Yunnan surveying, mapping and geographic information technology, increase the competitive advantage of Yunnan's geographic information industry, accelerating the development of surveying, mapping, geographic information and related industry. <p>The development of Yunnan survey, mapping and geo-information depends on the progress of international geographical information technology, and the support of the national industrial policy, the development of Yunnan social-economic, and the concerns of international surveying circle, Yunnan will grasp the opportunity, enhancing advantages, try to reach the best achievements for the development of Yunnan surveying , mapping and geo-information, and improve the overall service ability of surveying, mapping and geographic information for social-economic development.</p> <p>Reported by Mr. Liu Jiyuan President, YASM(Yunnan Association of Surveying and Mapping) Vice Director-General, Yunnan Bureau of Surveying and Mapping</p>	

	MATTERS DISCUSSED	ACTION BY
7.4	<p>INDONESIA COUNTRY REPORT</p> <p>BAKOSURTANAL today will turn into BIG (Geospatial Information Agency) based on Act no. 4/2011 and a Presidential Decree No. 94/2011. BIG have the duty and authority, especially broader base in the provision of geospatial information that will serve as a single reference from any and all thematic mapping.</p> <p>Result of the Act No. 4/2011 and a Presidential Decree No. 94/2011, the BIG organizational structure will vary with BAKOSURTANAL but not big enough, just at the middle management level down.</p> <p>With the Act No. 4/2011 and a Presidential Decree No. 94/2011 will accelerate the readiness of Indonesia in the implementation of the MRA survey and mapping to face the ASEAN free trade which will take effect in 2015.</p> <p>BAKOSURTANAL given two years to complete with the laws thereof in order to implement Act No. 4/2011 which regulates not only BIG, but also all the stake holders for both central and local governments, private sector, universities and individuals.</p> <p>Although BAKOSURTANAL has turned into a BIG, DR. Asep Karsidi remains a BIG head and in the near future will be followed by the establishment of official deputy.</p> <p>Besides BAKOSURTANAL, will be presented also the Indonesian Surveyor Association was held a congress in December 2011 at Semarang, Central Java, and has been elected new President from the Imm. Past President Mr. Wenny Rusmawar to Mr. Budhy Andono Soenhadi.</p> <p>We are sorry Mr. Budhy Andono Soenhadi at this meeting could not attend as many rush to follow up the mandate of the GI Act, and sending greetings to all participants of the meeting specifically to president and vice president, secretary-general and the Council Member.</p> <p>Indonesian Surveyor Association (ISI) will be the 40th anniversary in June 2012 and will be celebrated by holding a seminar in Bandung West Java on 19 and 20 June 2012, with the theme Geospatial for supporting Decision Support System (DSS) and the Exploration of Natural Resources.</p> <p>ISI expects Council Member of AseanFLAG could presence in the seminar and participated in presenting scientific papers related to the theme. The meeting schedule Council Member of AseanFLAG will be in Cambodia or Laos that is also in mid-June, ISI hopefully does not coincide with the seminar to be held at the Bandung.</p> <p>Indonesian Survey and Mapping Enterprises (APSPIG) reported that entire Sumatera less Aceh and Lampung has been covered by IFSAR (0.625 meter resolution) in this year (2012) and Digital Aerial Photography for four cities (Medan, Pekanbaru, Jambi, Padang). The aim of this project to support National Spatial Data Infrastructure Program (NSDI) of BAKOSURTANAL financed by softloan of JICA and the Prime Contractor is PASCO Corporation.</p> <p>Scope of works of the above project consists of :</p> <ul style="list-style-type: none"> - Digital Topographic Mapping (RBI Maps) at the scale 1:50.000 for entire Sumatera using FSAR data above, and approximately 330,000 sq km equal with approximately 400 mapsheets. - Digital Topographic Mapping at the scale 1:10.000 for four cities as a mention above using Digital Aerial Photography, and approximately 2,550 sq km. - The project will be completed by 2013 <p>Indonesian Survey and Mapping Enterprises (APSPIG) has an expectation could create the cooperation between APSPIG and private companies of AseanFLaG members particularly for Digital Aerial Photography and LIDAR Mapping business in Indonesia.</p> <p>Reported by Mr. Sugeng Prijadi & Mr H. Ariffin Tjekiagus BAKOSURTANAL, National Land Agency of The Republic of Indonesia / Indonesian Survey and Mapping Enterprises for Geospatial Information (APSPIG)</p>	<p><i>Info.</i></p>

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7.5	<p>MALAYSIA COUNTRY REPORT</p> <p style="text-align: center;">Activities Report</p> <ol style="list-style-type: none"> 1. The Malaysian Association of Authorised Land Surveyors (MAALS) in collaboration with the Land Surveyors Board Malaysia (LSB) is currently conducting a Certificate course on Underground Utility Mapping. It is a very comprehensive course on the subject matter covering all aspects of theory and practical. Total duration of the course is 6 months which commenced in September 2011 and is expected to complete in April 2012. There are 45 participants undergoing the course mainly the practicing land surveyors and a few officers from the Department of Survey and Mapping Malaysia. The course will subsequently be part of the International College of Geospatial Sciences and Geomatics program currently in the formation stage by the Registered Land Surveyors Foundation. 2. The LSB is in the process of reviewing and amending the Licensed Land Surveyors Act 1958 (Act 458) the act relating to the licensing and control of land surveyors and matters connected therewith in Malaysia. In brief the amendment would enable to widen the scope of surveying works as well as the powers of the practising land surveyors and to cater the current needs of the profession. 3. The MAALS is having its Annual General Meeting on 19th March 2012. Sr Mohammad Azmi bin Mohd Zin will retain the post of President of the association and a new lineup of executive council will be elected. 4. The Royal Institution of Surveyors Malaysia will be hosting the International Surveyors Congress (ISC) & 2012 Commonwealth Association of Surveying & Land Economy (CASLE) Regional Conference on 21-22 June 2012 in Kuala Lumpur. <p>Reported by: Sr Abu Hamid Selamat Secretary Land Surveyors Board</p> <p>Prof Sr Dr Abdul Kadir Bin Taib sends his apologies for not being able to attend the Council Meeting.</p>	<i>Info.</i>
7.6	<p>PHILIPPINES COUNTRY REPORT</p> <p>NATIONAL MAPPING and RESOURCE INFORMATION AUTHORITY (NAMRIA) COUNTRY REPORT ON SURVEYING AND MAPPING IN THE PHILIPPINES</p> <p>Salient Geographic Features of the Philippines: The Philippine archipelago is composed of 7,107 islands. It is divided into three (3) main island groups, namely: Luzon, Visayas and Mindanao. It lies between 4° 15' N and 21° 25' N latitude and between 112° 15' E and 127°E longitude. The total land area of the country is about 300,000 square kilometers, 50% of which is classified as forestland, mineral lands, and national parks. The country has 2,229,438 square kilometers of territorial waters that is rich in marine life, and has 36,289 km of coastline. The terrain is mostly mountainous with narrow to extensive coastal lowlands. The highest point is the peak of Mt. Apo at 2,954m above mean sea level.</p> <p>Agencies Involved in Mapping and Surveying: During the government reorganization in 1987, a central mapping agency was established to integrate and coordinate mapping and surveying activities in the Philippines. The National Mapping and Resource Information Authority (NAMRIA) was created to carry</p>	<i>Info</i>

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	<p>out water, coastal and land surveys, mapping, remote sensing, information management and statistical service for the government and the general public. Surveying and mapping, however, is not solely undertaken by NAMRIA. Other government agencies also perform surveying and mapping activities to effectively carry out their respective mandates. Private mapping and surveying companies upgraded their capabilities to keep in stride with the present technology and cope with the demand for geographic information. The GEODETIC ENGINEERS OF THE PHILIPPINES (GEP) is the only recognized non-government organization that carries out surveying and mapping projects and services both in the government and private sector.</p> <p>Philippine Geodetic Network Infrastructure: The NAMRIA is responsible for the establishment and maintenance of the primary geodetic network of the country. Prior to 1991, the geodetic network consisted of triangulation chains majority of which are located along the coast. The network was established during those times to provide horizontal control in the conduct of hydrographic surveys for the production of nautical charts. The control network was considered in the old standard as having second-order accuracy and referred to the Luzon Datum with Clarke 1866, as the reference ellipsoid. Recognizing the need for a more accurate and homogenous national geodetic framework, the Global Positioning System (GPS) technology was utilized to establish a First Order Network with the support of the Australian government in 1992. GPS stations were established all over the country, with 334 first order stations, 101 second order stations, and 36 third order stations. A total of 84 old stations were reoccupied. The network was developed using multi-stations observed simultaneously. Each succeeding figure had common stations with preceding figures. In this way, a network of well connected figures was built up. A Geoid model for the Philippines was also validated and adopted as part of the project. Considering the implications of using a global geocentric datum which include large shift in coordinates, the horizontal datum was retained utilizing the same reference ellipsoid. The vertical datum has been slightly modified by the adoption of a more realistic geoid/spheroid separation at the datum origin. The resulting new framework is known as the Philippine Reference System of 1992 (PRS92). Transformation parameters from WGS 84 to PRS92 and vice-versa were developed and are available. An executive order was issued by the government directing the connection to PRS92 of all surveys in the country by the year 2000. Due to serious backlog in the densification and transformation of all surveys in the country, this deadline was extended to year 2010 as promulgated by Executive Order No. 321. Densification of lower order Geodetic Control Points (GCPs) within the seventeen (17) regional divisions of the country, to make it more accessible to surveyors, is still in progress. Considered as one of the top priority activities under the Medium-Term Philippine Development Plan (FY 2005-2010) and mainstreamed as a regular activity of the NAMRIA, PRS92 is being implemented with the following targets:</p> <ol style="list-style-type: none"> a) Establishment of at least 38 Active Geodetic Stations (AGS) nationwide (eight AGS are now operational, another five stations was recently completed); b) Upgrading of 65 GPS stations at 1st order to zero order accuracy level (This were also recently completed); c) Re-observation of the 318 GPS stations at 1st order accuracy level that were established during PRS92; d) Establishment of the remaining 1473 horizontal control points at 2nd order accuracy level; e) Establishment of 48,672 horizontal control points at 4th order accuracy level; f) Completion of vertical control network comprising of about 26,000 km of level lines (17,411 km level lines recently completed); g) Establishment of 80 1st and 1,200 2nd order gravity stations nationwide; h) Upgrading of four (4) existing and establishment of 62 new tide stations; i) Development and operationalization of 18 Geodetic Network Information Systems and provision of other Information and Communication Technology support services; j) Formulation of relevant policies and standards and specifications; and l) Carrying out of related technical studies and research in preparation for the eventual migration to a geocentric datum and development of geoid model for the country. <p>Cadastral and Property Surveys: Four (4) government agencies are involved in cadastral and property surveys. These are the Department of Environment and Natural Resources (DENR), the Department of Agrarian Reform (DAR), the National Commission on Indigenous Peoples (NCIP), and the Land Registration Authority (LRA). Generally, it is the Lands Management Services of the</p>	<p style="text-align: right;"><i>Info</i></p>

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	<p>DENR that undertakes cadastral surveys either by administration or by contract with private surveyors. However, for lands declared as agrarian reform areas, the DAR undertakes its own cadastral surveys. The approval of these surveys, however, is the responsibility of DENR. The Original Certificates of Titles are issued either by the DENR or DAR, and registration of the same shall be made with the LRA. The Lands Sector of the Regional Lands Management Services of the DENR is one of the key players in the implementation of the Philippine Reference System of 1992 (PRS92) Project, particularly in the Geodetic Network Development and Cadastral Data Integration components. Its role is to establish 3rd and 4th order geodetic control points in support for isolated and cadastral surveys. It is also responsible for the integration of various types of survey plans/maps and other Environment and Natural Resources (ENR) data produced within the bounds of its mandate. The Sector programmed also the computerization of its land records and the construction of warehouses wherein the same shall be properly archived and stored. As of this report, 84% or 5,394,303 lots of the 6,433,685 total number of mother lots of approved cadastral surveys under the old reference system were encoded and converted to digital format to facilitate the transformation and integration into the new reference system. The NAMRIA developed an algorithm and corresponding transformation template to derive local parameters applicable for each cadastral survey. The transformed cadastral surveys will form part of the fundamental data sets in the development of the National Spatial Data Infrastructure (NSDI) of the Philippines.</p> <p>Topographic Mapping: NAMRIA as the central mapping agency of the Philippine Government is mandated to undertake the topographic base mapping of the country. NAMRIA is currently producing and maintaining the following maps:</p> <p>653 map sheets - 1:50,000 Medium-Scale Topographic Maps Series 55 map sheets - 1:250,000 Small-Scale Topographic Maps Growth Centers - 1:10,000 Large-Scale Topographic Maps Regional and Provincial - Administrative Maps</p> <p>Medium-Scale Topographic Maps Updating The following is the status of the 1:50,000 topographic mapping: 165 map sheets were updated 205 map sheets currently being updated</p> <p>Large-Scale Topographic Map Updating 554 digital vector maps scale 1:10,000 Printed 198 map sheets 253 Orthophoto map sheets</p> <p>In 2006, a development study project was implemented in cooperation with the Japan International Cooperation Agency (JICA) entitled "The Study for Mapping Policy and Topographic for Integrated National Development Plan in the Republic of the Philippines". The pilot project generated 24 topographic map sheets at 1:50,000 covering the Pampanga River Basin up north to the Agno River Basin. Eight (8) map sheets were compiled using new aerial photography while the rest were compiled using SPOT 5 satellite images. Specifications for 1:50,000 Topographic Mapping and nationwide implementation plan was developed as part of the project. This program was implemented following the recommendations and specifications of the JICA project to revise three hundred forty five (345) map sheets at scale 1:50,000 for three (3) years in support of the geohazard mapping project. The old map sheets were converted in digital format and the planimetry was revised using satellite images. SPOT 5 satellite images at 2.5m and 5m resolution were acquired and ortho images were generated in addition to the line maps. So far NAMRIA was able to purchase only 55% satellite imagery coverage of the entire country with ≤ 20% cloud cover</p> <p>Large Scale Topographic Maps The Large-scale (≥ 1:10,000) topographic maps and orthophoto maps are being produced covering growth areas and population centers using aerial photography. The following line maps have been compiled by NAMRIA since 1994;</p> <p>402 map sheets 1:10,000 156 map sheets 1: 5,000 12 map sheets 1: 2,500 and the following orthophoto maps have been compiled since 2000</p>	<p style="text-align: right;"><i>Info</i></p>

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	<p>when NAMRIA shifted to fully digital process: 90 map sheets 1:10,000 118 map sheets 1:5,000 176 map sheets 1:4,000 505 map sheets 1:1,000</p> <p>Aside from aerial photography, NAMRIA is currently utilizing very high resolution (VHR) satellite imageries (Ikonos and Quickbird) in combination with IFSAR-DEM for the compilation of 1:10,000 topographic maps.</p> <p>Thematic Mapping: Special purpose maps are being produced by both government and private agencies with information coming from various sources.</p> <p>Geologic Mapping The Mines and Geosciences Bureau (MGB) under the Department of Environment and Natural Resources is mandated to do the geologic mapping of the country. The MGB produced geologic quadrangle maps at scale 1:50,000. For available geologic maps, visit its website www.mgb.gov.ph. As part of its program MGB produces geohazard maps of urbanized and urbanizing areas. Produced so far are geohazard maps of Metro Manila, Baguio City, Cagayan de Oro City, Zamboanga City, Butuan City, Subic, Olongapo City, Davao City, Surigao City and portions of Cavite City and San Pedro Laguna.</p> <p>Soil Mapping The Bureau of Soils and Water Management (BSWM) of the Department of Agriculture undertakes soil mapping of the country. Soil Maps at various scale in digital and printed format are available at the BSWM. For details of available maps, visit its website at www.bswm.da.gov.ph</p> <p>Volcanology and Seismology The Philippine Institute of Volcanology and Seismology (PHIVOLCS) under the Department of Science and Technology is the agency charged with the responsibility of predicting occurrence of earthquakes, volcanic eruption and geotectonic activity. In line with its goal to formulate disaster preparedness and loss reduction plans with the occurrence of the various phenomena, PHIVOLCS prepares various maps and data information. For details of its activities, products and services, visit its website at www.phivolcs.dost.gov.ph.</p> <p>Land and Forest Cover The Japanese Government through the Japan Forest Technical Association (JAFTA) has extended assistance to the Philippines for the implementation of the Information System Development Project for the Management of Tropical Forest. The project utilized LANDSAT TM taken in 1993. The project produced Forest Cover Maps at scale 1:100,000. The forest cover statistics was updated using LANDSAT TM taken in 2003.</p> <p>Multihazard Mapping: Starting in 2006, a project “Hazards Mapping and Assessment for Effective Community Based Disaster Risk Management” (READY) funded by United Nations Development Programme (UNDP) and the Government of Australia through AUSAID. Five agencies will be implementing the project, namely, Office of Civil Defense (OCD), PHIVOLCS, Philippine Atmospheric Geophysical and Atmospheric Administration (PAGASA), MGB, and NAMRIA. The project will produce in four (4) years multi hazard maps, i.e., floods, storm surge, landslides, earthquake, liquefaction, volcanic eruption and tsunami, at scale 1:50,000 and 1:10,000 in twenty seven (27) provinces in the country. The project will also include community based early warning system and Information and Educational Campaign (IEC).</p> <p>GIS and the National Spatial Data Infrastructure (NSDI): In this age of Information Technology, Geographic Information Systems (GIS) has taken the center stage in surveying and mapping. It has been used as a tool in automating otherwise tedious processes in surveying and mapping. The issue of spatial data infrastructure had emerged in the past decade as a basic framework for addressing problems concerning geo-information related activities such as data duplication, high cost of spatial data acquisition, restricted access to geo information, difficulty in data interchange, and growing demand for timely and accurate geo information. In 1993, the Inter-agency Task Force on Geographic Information (IATFGI) was created with the NAMRIA and the National Statistical</p>	<p style="text-align: right;"><i>Info</i></p>

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	<p>Coordinating Board (NSCB) as the Chairman and Co-Chairman and was originally composed of seven (7) member government agencies. It is primarily tasked to promote and coordinate the efficient development, management and utilization of geographic information in the country. The IATFGI is tasked to function as follows:</p> <ul style="list-style-type: none"> a) review current policies, decisions, thrusts, programs and projects related to the management of GIS; b) determine the issues affecting the development of GIS in the country and recommend measures to enhance its development; c) recommend appropriate mechanism for the coordination of agencies involved in GIS; d) conduct and inventory of geographic holdings and projects; e) develop and recommend minimum standards for GIS interchange; and f) create technical working groups (TWG's) for specific purposes. <p>Five (5) TWG's were created namely:</p> <ul style="list-style-type: none"> a) Agriculture, Environment and Natural Resources; b) Lands and Survey; c) Infrastructure and Utilities; d) Socio-Economics; and e) Research, Training and Technology. <p>In July 2001, The National Spatial Data Infrastructure (NSDI) Framework Plan was formulated through a World Bank funded project entitled "The Establishment of a Technical, Operational and Legal Framework for the Management of Geographic Information in the Philippines". The establishment of NSDI in the country rest heavily on the efforts and initiatives of NAMRIA. But because of the high initial cost requirements, an incremental development of NSDI is being adopted by NAMRIA by launching NSDI Development Program. But even with the launching of the program, NAMRIA still continue to source funding for proposal that include the National Common Spatial Data Base (NCSD)</p> <p>Last year, the NAMRIA started implementing the Philippine Geoportal "One-Nation-One-Map" Project. Activities of the Philippine Geoportal Project have been in full swing three months since its kickoff in 14 December 2011. Ensuring the smooth implementation of the Project are five technical working groups (TWGs), namely: Project Management, Data Buildup and Integration, Application Development and Information and Communications Technology Infrastructure, Training and Capability Building, and Policy Formulation Framework and Planning. A Steering Committee (SC), which is composed of heads of DENR, NAMRIA, and selected participating agencies, provides overall direction and policy level decision making to the Philippine Geoportal Project. A focus group discussion (FGD) on policy formulation and planning was held last 14 March 2012 at the NAMRIA Boardroom to discuss and review the draft administrative order on the establishment of a national spatial data infrastructure and an executive order strengthening the NAMRIA Board of Governors. An FGD with selected stakeholder agencies is also being conducted to present an overview of the Philippine Geoportal Project and to determine strategies on the development of sectoral nodes.</p> <p>The Geoportal Project aims to establish in three years a spatial data infrastructure that provides and integrates geographically referenced data generated by various government agencies or offices, the academe, and other organizations using one standard basemap.</p> <p>Prepared and reported by NICANDRO P. PARAYNO, M.Sc. Officer-In-Charge, Aerial and Spatial Surveys Division Mapping and Geodesy Department, National Mapping And Resource Information Authority (NAMRIA)</p>	
7.8	<p>SINGAPORE COUNTRY REPORT</p> <ol style="list-style-type: none"> 1. The Land Surveying Board Singapore will have a joint board meeting on 16 April 2012 to discuss ongoing matters relating to MRA and other respective board matters. 2. The SISV has engaged in dialogue with the Building Construction Authority (BCA) with 	Info

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	<p>matters pertaining to the Building Information Modelling (BIM) initiatives. BIM is an emerging concept of how to enhance the collaboration of various stakeholders before and during the entire construction life cycle. It also involves the use of modern tools and software to fully leverage off technology and benefit from the yields of improved productivity and thus timely deliveries of projects.</p> <p>The lead agency, BCA, gets the industry involvement particularly SISV, as it understands there is a big reliance on geo-spatial component of any works relating to building and construction. SISV contributed the content information of the work processes and how the role of surveyors played/contribution to successfully implement this BIM. The BCA has also given a timeline. By 2015, all construction and building related project above a certain scale, it must be mandatory for BIM to be part of modelling and workflow. It includes certain processes of land submission and approval point done digitally.</p> <p>Reported by Gerry Ong For SISV LS Divisional Council Member And on behalf of Dr Tor Yam Khoon, Vice President, LS Division, SISV And Member of Land Surveying Board Singapore</p> <p>Dr Tor Yam Khoon sends his apologies for not being able to attend the Council Meeting.</p>	
7.9	<p>THAILAND COUNTRY REPORT</p> <p>To summarise on the event from the Bangkok flood, we use the geo-informatics for flood Management and flood relief. The information derived on the surveying and mapping has indeed helped the management. We are also lucky that we have a good geographic data from the provincial electricity authority covering the whole country. These data has assisted to ease in mitigating the situation because of its accuracy.</p> <p>Based on what happened last year, we realised the data on elevation is far from accurate and sufficient to serve the purpose for flood management especially outside the irrigation area. The Thai government put the LIDAR project as one of the most urgent task to be executed.</p> <p>Reported by Dr Wicha Jiwalai Surveying & Mapping Society Thailand</p>	<i>Info</i>
7.10	<p>VIETNAM COUNTRY REPORT</p> <p>Mr Pham Chi Tich sends his apologies for not being able to attend the Council Meeting. The report has been forwarded to AFLAG by Ms Tran Thi Tuyet Nhung as indicated.</p> <p>Dear President - Dr. Wicha, all Council members, Ladies and Gentlemen.</p> <p>First of all, we would like to thank to all of you, especially the host for the arrangements for the meeting.</p> <p>As you know, Southern Natural Resources and Environment Company (CERS) which is a First Class State Company, depends on the Ministry of Natural Resources and Environment, operating for business production and services in the field of Surveys and mapping, Services for Land management, Environment and the other fields such as: Consulting Assessment and Land Economics, Geology and Minerals, Trading and Testing machines and equipment in survey; training technical workers,....</p> <p>Our main product is Cadastral map. Nowadays, CERS has more and more projects on surveying and establishing control point networks, cadastral maps, cadastral records for</p>	<i>Note</i>



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	<p>registering and issuance of the land use right certificates for the whole country; and the projects on establishing and adjusting topographic maps, establishing administrative boundary maps and records and special maps; collection and collation of data for geographic Information Systems (GIS), Land Information Systems (LIS); setting up land use planning and plans; consulting, rating land and property on land legal consulting for land use right and property on land,...</p> <p>At present, the customer system of our company includes: Government; Ministry of Natural Resources and Environment; People's Committees and Department of Natural Resources and Environment of provinces and cities in the whole country; and other domestic and foreign individuals and organizations.</p> <p>CERS has 16 Enterprises which located in the whole country. CERS has been implementing the quality management system according to the International Standard ISO 9001:2008. Most of company's products are produced by digital technology, together with using recognized software from developed countries, as well as the software programmed by CERS).</p> <p>We hope and wish ASEAN FLAG as a media for collaboration of the expertises within the countries in ASIA Pacific. We are looking forwards sharing our experience and studying your experience from all of you. Finally, we want to thank the Organizing Committee and all of you again.</p> <p>Best wishes for a successful conference!</p> <p>Thank you. Reported by Mr. Pham Chi Tich Chairman and Director of Southern Natural Resources and Environment Company (CERS), Vietnam</p>	
<p>8.0</p> <p>8.1</p>	<p>ASEAN MRA Updates</p> <p>Guidelines Governing the Assessment of Curriculum in Pursuance to the ASEAN Framework Arrangement for the Mutual Recognition of Surveying Qualification Prepared by Randolph S Vicente</p> <p>The guideline prepared by Randy in reference to item 10.2 of the 44th meeting minutes was circulated to members. The President invited comments from the floor.</p> <p>Pengiran commended the effort put in by Randy and agreed with the initiatives proposed to move the framework of MRA forward. Besides deliberating on other matters relating to MRA, he highlighted the paper is quite comprehensive and have all the milestones/timelines to achieve and that members should review it. Though it was noted that some may be impossible to get (ie submit and compile data and information proposed earlier has not been achievable to date) .</p> <p>In relation to CCS, Dr Wicha stressed the deadline is in the year 2015. He suggested for working group or committee to get it going or it may be delayed. The working group or committee should look at how the surveying criteria can be assessed to be acceptable amongst the ASEAN nation.</p> <p>Referring to item 5.9, of the guidelines, when questioned by members, the word "Committee" in this paper may refer to the Committee set up by the Council and that WFP stands for Working Financial Plan. For clarity purposes, Gerry Ong will check with Randy on item 5.9 and revert to Council in the next meeting.</p> <p>Dr Wicha has also requested to convey the message to Randy to formulate a format based on his guidelines so that it can be distributed to other members for their inputs and contribution.</p>	<p><i>Info.</i></p> <p><i>Gerry Ong</i></p> <p><i>Randolf</i></p>

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	<p>expected to finalise the process by end of this year.</p> <p>c) Lao PDR also informed the Meeting on the restructuring of the Competent Authority i.e the National Geographic Department which is now divided into two institutions namely the National Geographic Department, and Survey and Mapping Centre.</p> <p>4. The Meeting noted the changes in Indonesia's and Lao PDR's Competent Authorities and recalled that in paragraph 2.2 Article 2 <Definition> of the MRA, Member States who wish to amend their Competent Authority shall administratively notified ASEAN Secretary General which will then notify the other ASEAN Member States on the changes.</p> <p>C. MOVING FORWARD IMPLEMENTATION OF THE MRA</p> <p>5. The Meeting took note that ASEAN Economic Ministers during its 43rd Meeting in August 2011 had tasked the CCS through SEOM to develop roadmaps or implementation plans to expedite and fully operationalise the existing seven ASEAN Mutual Recognition Arrangements on various professional services. This includes Framework Arrangement for the Mutual Recognition of Surveying Qualifications. Taking into account the Ministers mandate, the Meeting proposed that the next meeting shall include an agenda item on establishment of roadmap for implementing the MRA.</p> <p>6. The Meeting recalled the compilation of <i>Licensing and Registration Rules for Professional Surveying Services</i> which has been done by the Business Services Sectoral Working Group</p> <table border="1" data-bbox="376 987 1174 1503" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: center;">AMS</th> <th style="text-align: center;">Submitted</th> </tr> </thead> <tbody> <tr> <td>Brunei Darussalam</td> <td>CCS 44</td> </tr> <tr> <td>Cambodia</td> <td>CCS 59</td> </tr> <tr> <td>Indonesia</td> <td>CCS 43</td> </tr> <tr> <td>Lao PDR</td> <td>CCS 67, subject to change after the completion of restructuring of the organisation</td> </tr> <tr> <td>Malaysia</td> <td>CCS 58</td> </tr> <tr> <td>Myanmar</td> <td>CCS 63</td> </tr> <tr> <td>Philippines</td> <td>CCS 44</td> </tr> <tr> <td>Singapore</td> <td>CCS 43/63</td> </tr> <tr> <td>Thailand</td> <td>Same as engineering</td> </tr> <tr> <td>Vietnam</td> <td>CCS 42</td> </tr> </tbody> </table> <p>7. Lao PDR submitted to the Meeting her Licensing and Registration Rules, however, these rules will be updated once the restructuring of the National Geographic Department is completed.</p> <p>8. The Meeting encouraged the Member of States to update their submission with the latest Licensing and Registration Rules given the fact that some of the submissions were made a long time ago. The Meeting further suggested that each of ASEAN Member State study the other Member States Licensing and Registration Rules and identify common areas their respective has with the other Member States</p> <p>9. The Meeting brainstormed the possibilities to move forward the implementation of the MRA and the following activities were proposed:</p> <p>Step 1: Study the compilation of Licensing and Registration Rules for Professional Surveying Services</p> <p>Step 2: Clustering the ASEAN Member States into three groups, which will discuss common areas:</p>	AMS	Submitted	Brunei Darussalam	CCS 44	Cambodia	CCS 59	Indonesia	CCS 43	Lao PDR	CCS 67, subject to change after the completion of restructuring of the organisation	Malaysia	CCS 58	Myanmar	CCS 63	Philippines	CCS 44	Singapore	CCS 43/63	Thailand	Same as engineering	Vietnam	CCS 42	
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	<p>i. Group 1: Brunei Darussalam, Malaysia and Singapore ii. Group 2: Indonesia, Philippines and Thailand iii. Group 3: Cambodia, LAO PDR, Myanmar and Vietnam</p> <p>Step 3: Identify common areas among the group for possible bilateral negotiation on MRA</p> <p>D. OTHER MATTERS</p> <p>i. Technical Assistance</p> <p>10. The Meeting reviewed the Terms of Reference of the Project Proposal on Research of core competencies, domestic regulations and best practices in Engineering, Architectural, Accountancy and Surveying Services which will be forwarded to the AADCP II for funding approval. There were no comments on the TOR presented during the Meeting.</p> <p>ii. AFLAG Meeting</p> <p>The Meeting was informed that the next Meeting of AFLAG will be held in Kunming, China on 19th – 20th March 2012.</p> <p>iii. 68th CCS Siem Reap, Cambodia</p> <p>11. The Meeting was informed that the 68th CCS Meeting be held in Siem Reap, Cambodia 13th – 17th March 2012. However, Dr Wicha, AFLAG President, informed CCS that AFLAG will not attend the 68th CCS Meeting. AFLAG will attend the 69th CCS Meeting in Vietnam in June 2012.</p> <p>Reported by Pg Matusin Matasan AFLAG Council Member</p>	
<p>9.0</p> <p>9.1</p>	<p>Updates on 12th SEASC By Philippines</p> <p>The representatives from the Philippines informed that the 12th SEAS Congress 2013 will be hosted by NAMRIA and co-hosted by the PhilGEGS.</p> <p>The representatives also read out the message from Dr. Peter N. Tiangco. The message highlighted they have been very active in participating the congress and conventions. Attending the events has helped the country abreast of the technology. We learn new knowledge and gained experiences shared by other countries, particularly on geographic information system, remote sensing and geomatics. With AFLAG in placed, it has not only created a forum for exchange of ideas but has helped created opportunity in strengthening national ties and among mutual cooperation among member country. It was further mentioned to seize this opportunity to further and continue to promote this profession through the AFLAG to achieve the goals. The message ended with thanking the AFLAG and inviting members from the Philippines, Manila.</p> <p>Some of the activities have been included in the Memorandum of Agreement between NAMRIA and PhilGEGS who are hosting and co-hosting the congress, respectively. At present, the implementation plan which contains the activities, budgeting requirements, and organisation management is being drafted. The congress has been rescheduled from end of May 2013 to June 18-20, 2012 and the venue has been changed to the Philippine International Convention Center (PICC). Development of the congress website is in the process, as reported by the representatives. The theme of the Congress will be– “Geospatial Cooperation Towards Sustainable Development”.</p>	<p><i>Info.</i></p>

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	<p>Dr. Wicha summarised the updates of the Congress to be on June 18-20, 2013 subject to venue availability. Hotel will be changed as well. The congress will be hosted and co-hosted by NAMRIA and PhilGEGS, respectively. Part of the organising committee for the SEAS Congress will also managed the ASEANFLAG website besides the dedicated congress website. Details of the website handover will be informed soon. Meeting noted the availability of other hotels surrounding the congress venue and the ease of mode of transportation.</p> <p>The Philippine representatives are also aware of the financial impact of the congress and will manage it accordingly.</p> <p>Dr. Wicha thanked the Philippine delegates and also conveyed his appreciation to NAMRIA Administrator for their effort contributed towards the congress.</p>	<p><i>Philippines</i></p>
<p>10.0 Any other matters</p> <p>10.1</p>	<p>AFLAG One-day International Seminar, 20th March 2012 Gerry Ong reported apart from Council meeting, there will be an inaugural 1 One-Day Seminar mooted by the surveying community.</p> <p>The objective of this seminar is to allow members from within ASEAN to share with the Chinese delegates on the developments and activities through the presentation. Meeting noted a booklet covering the event programme was inserted in the welcome bag issued at the time of registration. Meeting noted copy of the presentation will be made available on the website.</p> <p>Details of the Seminar programmed outlined as follows:</p> <p>08:45 – 10:00 : Opening Session: Welcome and Goodwill Address by President, ASEAN Federation of Land Surveying And Geomatics</p> <p>Opening/Officiating Speech by Mr. Peng Zhenzhong, Secretary-General, Chinese Society for Geodesy, Photogrammetry and Cartography & Mr. Geng Hong, Director-General, Yunnan Bureau of Survey and Mapping(3 minutes)</p> <p>Opening Presentation: Engaging the Challenge By Teo Chee Hai, President, FIG</p> <p>10:30 – 12:30 : Plenary Session #1 Keynote Presentation: “Meeting the Challenges – the need for global professional standards” By Ong See Lian, President, RICS</p> <p>Plenary Presentation #1: ASEAN Economic Community and the Surveying Profession By Dr Wicha Jiwalai, President, AFLAG</p> <p>Plenary Presentation #2: Geospatial Information Development of Yunnan,China By Mr. Liu Jiyuan, President, YASM(Yunnan Association of Surveying and Mapping) Vice Director-General, Yunnan Bureau of Surveying and Mapping</p> <p>Plenary Presentation #3: Surveying Development of Hubei, China(By Mr. Zhang Jianren, President, Hubei Province Society for Geodesy, Photogrammetry and Cartography Director-General, Hubei Bureau of Survey and Mapping</p> <p>14:00 – 15:30 : Plenary Session #2 Plenary Presentation #4: ASEAN Economic Community – Mutual Recognition By Tuan Haji Jamil bin Hj Mohd Ali, Senior Vice President, AFLAG</p>	<p><i>Info.</i></p> <p><i>Info</i></p>

	MATTERS DISCUSSED	ACTION BY
	<p>Plenary Presentation #5: Meeting the Challenge - Education, Standards and Assessment of Competence By Kwan Hock Hai, Vice Chair, RICS Asia Education and Standards Board</p> <p>Plenary Presentation #6: Underground Utility Mapping By Pengiran Matusin Matasan, Hon. Treasurer General , AFLAG</p> <p>16:00 – 17:30 : Plenary Session #3 Plenary Presentation #7: Indonesian Geospatial Information Act No. 4 year 2011 By Sugeng Prijadi, AFLAG Council Member</p> <p>Plenary Presentation #8 The Role of LiDAR Technology in Disaster Management By Mr See Seng Guan AFLAG Imm Past President II</p>	
10.2	<p>Discussion on Initial Steps for the Preparation of the Corporate Plan of AFLAG</p> <p><i>Guidelines Governing the Preparation of Ten-Year Strategic Plan of the ASEAN Federation of Land Surveying and Geomatics</i> <i>Prepared by Randolph S Vicente</i></p> <p>In relation to item 5.2 of the 44th meeting minute in planning out the venue of meetings, Gerry and Randy felt the roadmap is good but insufficient framework to move forward. Hence, a Corporate plan was crafted and drafted by Randy and was distributed to members at the meeting.</p> <p>Dr Wicha suggested reviewing the 10 page corporate plan and discussing at the next council meeting. Feedback detailing what can be done/ suggestions etc should be emailed to the secretariat and tabled at the coming meeting. It was also proposed coming up with a SWOT analysis so that AFLAG knows its abilities to move the programme or whether it should take up an ambitious plan. The discussion ended stressing if we plan but not execute, the proposals will still not materialised and the objectives not achieved.</p> <p>Members commended and thanked Randy for his effort. The plan was done even before him being elected as the Vice President.</p>	<p><i>Info.</i></p> <p><i>All</i></p>
10.3	<p>10.3.1 Working Committee Mr Sugeng informed Mr Ady is willing to carry on with the task he was assigned under item of the 44th meeting minute. Mr Ady is able to attend the Council Meeting if is held at ASEAN country.</p> <p>10.3.2 Newsletter The Philippines agreed to take over the task of publishing the newsletter from Matusin. The newsletter is also a good platform for the Philippines to promote the congress. Details of contents can be arranged with Pg Matusin as he was the previous editor, highlighted by Dr. Wicha.</p>	<p>Ady</p> <p>Philippines</p>

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11	Confirmation of Venue of the next ASEAN FLAG Council Meeting	
11.1	<p>Gerry Ong reported he has received positive reply from Jouni Anttonen of Finn Map on the venue of the next council meeting. Finn Map has a consulting team in Laos. In principle they have welcome AFLAG members to Laos. The meeting should be sometime in late May or late June. In case of unforeseen circumstances where Laos cannot possibly host it, Cambodia still available to have the meeting.</p> <p>The next meeting in Brunei, it'll be in 17 & 18 October 2012 highlighted by the Brunei counterparts. Meeting also noted there'll be joint board meeting between Singapore, Malaysia and Brunei early July 2012.</p>	<i>All Council Members</i>
12.0	<p>Adjournment</p> <p>There being no other matters the meeting was adjourned by President at 17:00 hrs.</p>	<i>Info.</i>
13.0	<p>Housekeeping Announcement</p> <p>Gerry Ong announced tomorrow's seminar time commencement. Judy Chew assisted in announcing the delegates to report at the hotel lobby for tonight's dinner. Dress code is casual.</p>	<i>Info</i>
	<div style="display: flex; justify-content: space-around; align-items: flex-end;"> <div style="text-align: center;">  <p>.....</p> <p>GERRY ONG Honorary Secretary General</p> </div> <div style="text-align: center;">  <p>.....</p> <p>DR WICHA President</p> </div> </div>	