



THE ASEAN FEDERATION OF LAND SURVEYING AND GEOMATICS

Minutes of the Eighteenth Council Meeting Held on 30th March 2004 (Tuesday) at the “Bao Chun” Hall & “Mou Dan” Hall, Horizon Hotel, Kunming, China

Present:

Institution of Surveyors, Malaysia - Dr. Khoo Boo Khean	- President
Survey Department, Brunei Darussalam - Pg. Matusin bin Pg. Matasan	- Senior Vice President
Singapore Institute of Surveyors and Valuers - Mr. Wee Soon Kiang	- Vice President
Bakosurtanal, Indonesia – Mr. Sugeng Prijadi	- Representing Imm. Past President I
PEJUTA, Malaysia – Mr. Colin Chan Hun Seok	- Representing Imm. Past President II
Land Surveyors Board Singapore – Mr. Tan Choo Haw	- Hon. Treasurer-General
PEJUTA, Malaysia – Mr. Teo Chee Hai	- Hon. Secretary-General
PEJUTA, Malaysia – Mr. Chun Ming Kee	- Council Member
Surveying and Mapping Society, Thailand - Dr. Wicha Jiwalai	- Council Member
Survey Department, Brunei Darussalam – Hj Ali Bakar bin Hj Kassim	- Representing Council Member
Land Surveyor Board, Malaysia Mr Muhamed Kamil Mat Daud	- Representing Council Member
Newas Survey Consultancy, Brunei Darussalam - Mr. Newas Ukoi	- Editor
Ms. Estellita Crispin	- Executive Secretary

Observers

Jurukur Setia, Malaysia - En. Syed Mohamed Nasir b. Syed Tahir	- Corporate Member
Mahabob & Co., Malaysia – Mr. Mahabob b. Khalid	- Corporate Member
PEJUTA, Malaysia – Mr. Mohammad Azmi Mohd Zin	- Executive Council Member, PEJUTA
PEJUTA, Malaysia – Mr. Mohd Razali Abdullah	- Executive Council Member, PEJUTA
PEJUTA, Malaysia – Mr. Nik Hisham Nik Manshor	- Past President, PEJUTA
PEJUTA, Malaysia – Mr. Choy Hon Nang	- Private Practice
PEJUTA, Malaysia – Mr. Toh Swee Eng	- Private Practice
Yunnan Association for Surveying and Mapping - Mr. Jun-Dong Yang	- President
Yunnan Association for Surveying and Mapping - Mr. Cheng-Wei Jiang	- Vice President
Yunnan Association for Surveying and Mapping - Mr. Yuan-Min Fang	- Vice President
Yunnan Association for Surveying and Mapping - Mr. Jin Ni	- Vice President
Yunnan Association for Surveying and Mapping - Mr. Yu-Kun Li	- Vice President
Yunnan Association for Surveying and Mapping - Mr. Yun-Peng Li	- Secretary-General
Yunnan Association for Surveying and Mapping - Mr. Gui-Wu Wang	- Vice President
Kunming Metallurgy College - Mr. Wen-Liang Zhao	- Vice Professor
Consulting Department of Yunnan Association for Science and Technology - Mr. Jia-Lu Duan	- Vice Minister
Yunnan Association for Surveying and Mapping, Consulting Department of Yunnan Association for Science and Technology - Mr. Ji-Zhong Xu	- Director
International Department of Yunnan Association for Science and Technology - Ms. Mei Tian	- Vice Director
Yunnan Association for Surveying and Mapping - Mr. Rui-Xin Qing	- Director

Absent with Apologies

Land Surveyor Board Malaysia – Dato’ Hamid Ali	- Council Member
Survey Department, Brunei Darussalam - Tn. Hj. Jamil b. Hj Mohd Ali	- Council Member
Certeza Surveying & Aerophoto Systems, Inc – Mr. Reynaldo Adorador	- Council Member
Cadastre & Engineering Survey Co., Vietnam – Mr. Nguyen Van Duc	- Council Member
C B Surveying Co Ltd – Mr. Chettana Bhumichitr	- Special Council Member

NO.	MATTERS DISCUSSED	ACTION BY
	The XVIII Council Meeting was called to order at 9.30 AM	
1.0	<p>Address by the President</p> <p>The President welcomed all present and informed that, basically, there were three reasons for ASEAN FLAG to meeting in Kunming: -</p> <p>i) Firstly, ASEAN FLAG is aiming to expand its collaborative horizon beyond the ASEAN region as well as serving one of its objectives i.e. to encourage communication between the parties charged with the technical responsibility for the planning, design and execution of the practice of land surveying and geomatics.</p> <p>ii) Secondly, to coincide with the 4th International Symposium of Mobile Mapping conference organised by the ISPRS so that the participants at the same time will have the opportunity to attend the conference. This will create an opportunity to interact with fellow surveyors here in China whereby each can learn from the other.</p> <p>iii) And thirdly, Kunming is one of those places a lot people wanted to visit.</p> <p>Last but not least, he recorded ASEAN FLAG appreciation to the organiser, the Yunnan Association of Surveying and Mapping and the Yunnan Association of Science and Technology and also to Mr. T N Wong, the FIG Vice President, for facilitating the arrangement. He then thanked all present for making the effort to attend the Council Meeting and related activities.</p>	Info.
2.0	<p>Adoption of Agenda</p> <p>The following Agenda was unanimously adopted: -</p> <ol style="list-style-type: none"> 1. Address by the President 2. Presentation of the Minutes of 3rd Biennial General Meeting held on 5th September 2003 at the Sri Nyonya, Level 3, Equatorial Hotel, Melaka, Malaysia (for information only) 3. Confirmation of the Minutes of 17th Council Meeting held on 5th September 2003 at the Sri Nyonya, Level 3, Equatorial Hotel, Melaka, Malaysia 4. Matters arising from the Minutes of 17th Council Meeting 5. Matters arising from the Minutes of 3rd Biennial General Meeting 6. Membership Application 7. Report by the Honorary Secretary General 8. Financial Report by the Honorary Treasurer General 9. Report on the Organisation of the 8th SEAS Congress 10. Report on the Organisation of the 3rd FIG Regional Conference for Asia and the Pacific 11. Report by the National Representatives 12. Date and Venue of the next ASEAN FLAG Council Meeting 13. Any other matters 14. Adjournment 	Info.

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3.0	<p>Presentation of the Minutes of 3rd Biennial General Meeting held on 5th September 2003 at the Sri Nyonya, Level 3, Equatorial Hotel, Melaka, Malaysia (for information only)</p> <p>The Minutes of the 3rd Biennial General Meeting was tabled for the Council's information.</p> <p>The President informed that the proposed amendments to the Constitution to allow Corporate Members and Teaching Institutional Members in the election to the Offices of the Federation have been submitted to Registrar of Societies, Malaysia (ROSM). He added that verbal approval has been given by the ROSM. The secretariat shall follow-up with ROSM for the official approval.</p>	ASEAN FLAG Secretariat										
4.0	<p>Confirmation of Minutes of the XVI Council Meeting</p> <p>The minutes of the XVII Council Meeting was confirmed on the proposal of Pengiran Matusin Pengiran Matasan and seconded by Mr Tan Choo Haw with the following amendments: -</p> <p>Item 7.0, under (iii) The word 'audit' should be read as 'auditor'</p> <p>Item 10.0 The word 'July' should be read as 'January'</p>	Info.										
5.0	<p>Matters Arising from the Minutes of XVI Council Meeting</p>											
5.1	<p>“Mutual Recognition of Surveying Qualification in ASEAN Region”</p> <p>The President informed that the following has been nominated to the Working Group on Mutual Recognition of Surveying Qualification: -</p> <table border="0"> <tr> <td>i) Brunei Darussalam:</td> <td>Tuan Haji Ali Bakar bin Haji Kasim</td> </tr> <tr> <td>ii) Indonesia:</td> <td>Ir. Dr. Sobar Sutisna</td> </tr> <tr> <td>iii) Malaysia:</td> <td>Mr. Teo Chee Hai (Chairperson)</td> </tr> <tr> <td>iv) Singapore:</td> <td>Prof. Tor Yam Khoon</td> </tr> <tr> <td>v) Thailand:</td> <td>Dr Wicha Jiwalai</td> </tr> </table> <p>Mr Teo Chee Hai informed that ASEAN Senior Economic Officials at its recent meetings has agreed that Framework Agreement for Mutual Recognition Arrangement of priority sectors, namely, Architecture, Engineering, Surveying and Accountancy be drawn up to facilitate the free movement of professionals. The indicative deadline is 2008.</p> <p>Since the decision has been made at the highest level of the ASEAN leadership, he proposed that the council to start working on the Framework Agreement for Mutual Recognition for Surveying Qualification so as to assist in ASEAN member countries implementation of Mutual Recognition.</p> <p>Pengiran Matusin suggested that the appointed Working Group to form sort of questionnaires for a start. The President agreed to his suggestion and requested the Working Group to take the necessary action.</p>	i) Brunei Darussalam:	Tuan Haji Ali Bakar bin Haji Kasim	ii) Indonesia:	Ir. Dr. Sobar Sutisna	iii) Malaysia:	Mr. Teo Chee Hai (Chairperson)	iv) Singapore:	Prof. Tor Yam Khoon	v) Thailand:	Dr Wicha Jiwalai	<p>Info.</p> <p>Working Group</p>
i) Brunei Darussalam:	Tuan Haji Ali Bakar bin Haji Kasim											
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5.2	<p>7th South East Asia Survey Congress</p> <p>The President congratulated Mr T N Wong for the successful organisation of the 7th Southeast Asia Survey Congress. He seeks Mr T N Wong assistance to share his experiences and knowledge with Brunei, the organiser of the 8th Southeast Asia Survey Congress.</p>	Info.
6.0	<p>Approval of Membership Application</p> <p>The Secretary-General informed there is no new application of membership for the last two months.</p>	Info.
7.0	<p>Report of the Honorary Secretary General</p> <p>The Secretary-General briefly reported the following: -</p> <ul style="list-style-type: none"> ▪ Membership: He informed that a set of membership application and relevant information has been forwarded to the National Geographic Department, Prime Minister Office, LAOS recently. He added that a corporate entity who is involved in the surveying and mapping in Myanmar has been identified and shall be sending them a set of form shortly. He hoped that during the 3rd FIG conference in Indonesia, we will have the chance to meet with the Cambodian representatives who have participated in some FIG events in the past. ▪ Compilation of Directory of Professional Services Providers in ASEAN region: He informed that during the ASEAN Co-ordinating Committee Meeting on Services, there were various discussion the need for a Directory of Professional Services Providers. As ASEAN FLAG has corporate members, it may be appropriate for us to start compiling a Directory of Professional Services Providers within the ASEAN region. At the appropriate time, this information could be forwarded to the ASEAN secretariat. ▪ Lastly, he remarked that we should continue to work with our political leaders to enhance recognition and the role and relevance of surveyors in policy and decision making and various levels of government. During Council Meetings, various experiences may be shared to allow our member organisation to learn from each other. <p>It is agreed that a Working Group for the Compilation of Directory of Professional Services Providers be set-up and Pengiran Matusin volunteered to lead the Working Group. Member organisation is requested to nominate their contact person.</p> <p>Dr Wicha Jiwalai remarked that the Working Group for Mutual Recognition and the Working Group for the Compilation of Directory of Professional Services Providers must work closely.</p>	<p>Info.</p> <p>Info.</p> <p>Info.</p> <p>Pengiran Matusin / Member Organisation</p>

NO.	MATTERS IN DISCUSSION	ACTION BY
<p>8.0</p>	<p>Report of the Honorary Treasurer General</p> <p>The Treasury-General reported that as of 31/03/2004, the total subscriptions received were RM5,750 whilst RM41,050.00 are still outstanding. It appears that there is difficulty in collecting the outstanding annual subscriptions, some of which since 1998. He sought the assistance from the council members in collecting the overdue subscription in their respective country.</p> <p>He informed that he has had feedback from some members that they were not kept informed of the on-goings within AFLAG and suggested that the Secretariat should e-mail or post hardcopies of AFLAG newsletters or news flashes to maintain member's interest which could in turn assist the collection of subscriptions. The President agreed to his suggestion and requested the AFLAG Secretariat to take the necessary action.</p>	<p>ASEAN FLAG Secretariat</p>
<p>9.0</p>	<p>Report On the Organising of the 8th Southeast Asia Survey Congress (SEASC)</p> <p>Pengiran Matusin firstly thanked ASEAN FLAG for giving the honour to Brunei to host the next Southeast Asia Survey Congress (SEASC). He informed that he has been nominated as the Chairman of the organising committee and Mr Newas Ukoï as the Congress Secretary. He hoped that Mr T N Wong could share his experiences and knowledge in organising the last SEASC in Hong Kong.</p> <p>He reported that the organising committee was set-up in early December 2003 sooner after the news confirmed that Brunei will host the next SEASC. The 1st flyer was printed-out by then and was distributed during the MAP INDIA 2004 in Bangalore. At this meeting the 2nd flyers with concrete information has been distributed.</p> <p>He pointed out 2 important issues as follows: -</p> <ul style="list-style-type: none"> ▪ To form a liaison between the AFLAG Secretariat and local organising committee in Brunei to ensure the organisation of this event is in line with the expression of ASEAN FLAG. ▪ To seek assistance from ASEAN FLAG to find financial sponsors. <p>He then requested Mr Newas to briefly report on the progress organisation of the congress.</p> <p>Mr. Newas Ukoï briefly reported as follows: -</p> <ul style="list-style-type: none"> ▪ The 8th SEASC Organising Committee was formed in December 2003. ▪ The Congress website has been established and more information of the congress could be obtained from www.big.org.bn. ▪ Preliminary programs and technical visits have been drawn-up. ▪ Publishing and promoting of the Congress is in on going. <p>The President remarked that the 8th SEASC organising committee should look for main sponsors of the events. Some of the cost can actually be covered by the registration fees.</p> <p>Pengiran Matusin informed that he has been contacting the New Zealand Institute of Surveyors (NZIS) however there was no response from them as yet. Mr. TN Wong will assist to follow up this matter with NZIS.</p> <p>Mr Tan Choo Haw suggested that Brunei/ASEAN FLAG should invite Yunnan to submit some technical papers for the event. His suggestion has been noted by the 8th SEASC organising chairman.</p>	<p>Info.</p> <p>T N Wong</p> <p>Pengiran Matusin</p>

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10.0	<p>Report on the Organisation of the 3rd FIG Regional Conference for Asia and the Pacific</p> <p>Mr. Sugeng Prijadi reported on behalf of Ir. Rudolf W Matindas and Dr. Soabar Sutisna. He informed that both of them cannot be present at this meeting due to other commitments.</p> <ul style="list-style-type: none"> ▪ The 3rd FIG Regional Conference for Asia and the Pacific will be held from 3 – 7 October 2004 at J W Marriott Hotel, Jakarta. This event is jointly organised by FIG, ISI and BAKOSURTANAL whilst ASEAN FLAG is one of the co-sponsor. ▪ The theme of this conference is “Surveying the Future – Contributions to Economic, Environment and Social Development” ▪ First invitation and call for papers have been distributed at this meeting. More information about the conference could be obtained from http://www.bakosurtanal.go.id ▪ This conference will, in particular, provide a unique opportunity to focus on the interrelationship between the environment and economic aspects of sustainable development both in urban and rural areas as well as how the latest technology can help in this process. <p>Mr T N Wong, the FIG Vice President remarked that he is satisfied with the preparations for the event and thanked the local organiser i.e. BAKOSURTANAL and ISI for the well done job so far. He then invited ASEAN FLAG council to the conference.</p>	
11.0	<p>Country Reports</p>	
11.01	<p>Negara Brunei Darussalam</p> <p>Mr. Neues reported the current developments and happenings in Brunei Darussalam as follows: -</p> <ul style="list-style-type: none"> ▪ BIG was launched on 16th September, 2003 by the Permanent Secretary, Ministry of Development. In conjunction with the launching, a one-day seminar was organised where papers were presented in area of GIS, land issues, strata title and digital data security. BIG is unique in its professional composition and divided into three main sections; land surveying and GIS Mapping, Real Estate and Town Planners. BIG being a professional body had been requested by the Minister of Development to uphold the roles it plays in nation building and at the same time to assist in the continuous professional development and enhance the skill and expertise of the geomaticians. BIG is also given the mandate to co-host the next SEASC in November 2005 and ground work had been layout in order to make the congress a successful one. ▪ For this year, a calendar of event had been drawn up and for the month of March a public forum was organised with the topic “Land Availability for Development”. The forum had drawn a lot of participants from private and public sectors. It is hoped this forum will stimulate increase professional discussion and to develop a future framework for the management of land in the country. 	Info.
11.02	<p>Cambodia</p> <p>There was no report.</p>	Info.

NO.	MATTERS IN DISCUSSION	ACTION BY
11.03	<p data-bbox="268 230 384 259">Indonesia</p> <p data-bbox="268 293 1225 383">Mr. Sugeng Prijadi representing both Badan Koordinasi Survei dan Pemetaan Nasional (BAKOSURTANAL) and Ikatan Surveyor Indonesia (ISI) reported the current developments in Indonesia as follows: -</p> <p data-bbox="268 416 560 445">a) BAKOSURTANAL</p> <ul style="list-style-type: none"> <li data-bbox="331 450 1225 658">▪ Bakosurtanal will be holding the National Coordination Meeting for Survey and Mapping from 15 – 16 June 2004 in Jakarta. The participants are mainly from the government sectors (central, provincial, kabupaten and municipal), private sectors, non government organisation and academia. The purpose of this meeting is to develop policy direction for national survey and mapping programs and activities for the next five years (2005 – 2009) <li data-bbox="331 663 1225 752">▪ There will be some national technical meetings to be conducted during year 2004 to discuss on the continuous development of national spatial data infrastructure (NSDI). <li data-bbox="331 757 1225 808">▪ Bakosurtanal and ISI will be the local organiser of the 3rd FIG regional conference which is scheduled for 3 – 7 October 2004 in Jakarta. <p data-bbox="268 813 651 842">b) ISI International Affairs</p> <ul style="list-style-type: none"> <li data-bbox="331 846 1225 936">▪ ISI had participated in some international events such as UNGEGN meeting in Kuala Lumpur, SEASC in Hongkong, ABLOS workshop in Monaco and 2nd FIG Regional Conference in Marakkech. <li data-bbox="331 940 1225 1028">▪ Signing of Memorandum of Agreement for the 3rd FIG Regional Conference was held on 5 December 2003 in Marakkech by the President of FIG, President of ISI and the head of Bakosurtanal. <li data-bbox="331 1032 1225 1207">▪ FIG site visit and FIG-ISI preparation committee meeting for 3rd FIG Regional Conference had taken place in the first week of March 2004. Two FIG representatives were present i.e. FIG Vice President (Mr. T N Wong) and FIG Executive Director (Mr. M. Villika). The meeting was successful and productive. ASEAN FLAG will be the co-sponsor for the conference. <li data-bbox="331 1211 1225 1330">▪ The first announcement and call for papers flier for the 3rd FIG Conference have been produced and ready for distribution. The ISI and BAKOSURTANAL invite everyone present to the conference. ASEAN FLAG will be holding its Council Meeting on the sideline of this event. <p data-bbox="268 1335 815 1364">c) ISI Scientific and Professional Affairs:</p> <ul style="list-style-type: none"> <li data-bbox="331 1368 1225 1545">▪ On 11/12/2003 a forum titled Ilmiah Tahunan ISI (FIT-ISI; The ISI yearly scientific forum) was held in Bandung. Prior to the forum, a workshop on interferometric SAR mapping technology was held on 10/12/2003. The aim of this forum is to maintain contact (exchange information introducing new technology, updating knowledge, etc) between surveyors, as well as between surveyors and its organisation. <p data-bbox="268 1550 1046 1579">d) ISI Human Resources Development and Training Affairs</p> <ul style="list-style-type: none"> <li data-bbox="331 1583 1225 1727">▪ In co-operation with other profession, ISI surveyor certification has been introduced. Two levels of category of surveyors have been introduced i.e. professional surveyors and skilled surveyors on the top of surveyors' classification base on their field work, such as land cadastral surveyors, tax cadastral surveyors and forestry surveyors. <li data-bbox="331 1731 1225 1850">▪ ISI has established its Professional Certification Board (Badan Sertifikasi Asosiasi ISI BSA-ISI) to manage and develop certification matters. ISI is also seeking for an opportunity to establish a common recognition and cooperation in this matter. <p data-bbox="268 1854 571 1883">c) ISI Internal Affairs:</p> <ul style="list-style-type: none"> <li data-bbox="331 1888 951 1917">▪ Updating of ISI member's database is in progress <li data-bbox="331 1921 1225 2011">▪ Re-activation of five ISI region commissariats (Komisariat Wilayah; Komwil) in Java i.e. Bandung for West Java, Jakarta, Yogyakarta, Semarang for Central Java, and Malang for East Java are in progress. <li data-bbox="331 2016 1225 2067">▪ Establishment of ISI local organising committee (LOC) for the 3rd FIG Conference 	Info.

NO.	MATTERS IN DISCUSSION	ACTION BY
11.04	<p>Laos</p> <p>There was no report.</p>	Info.
11.05	<p>Malaysia</p> <p>Mr. Muhamed Kamil of the Department of Survey and Mapping Malaysia (DSMM) reported some of the completed projects in Malaysia: -</p> <p>a. Coordinated Cadastral System</p> <p>Cadastral reform has had resurgence worldwide and interest and it has been increasingly recognised to be of significance to economic development, social stability and the environment. Encouraged by domestic demands and taking cue from developments overseas, it has taken initiatives to continually and strategically implement cadastral reforms whenever and wherever appropriate. A more recent of these initiatives is the endeavour to introduce the Coordinated Cadastral System (CCS) for the purpose of further improving the efficiency of the existing cadastral surveying system.</p> <p>The initial pilot study on CCS was carried out in 1996 in the state of Melaka. This initial study leads to a more systematic feasibility study, which lasted 3 years from 1997 – 2000, and subsequently a detailed research toward the development of implementation plan of CCS for Peninsular Malaysia from 2000 – 2002. The overall objectives of the study are:</p> <ul style="list-style-type: none"> ▪ To develop and realise a geocentric based cadastral control infrastructure (CCI); ▪ To establish methodology for the development of National Digital Cadastral Database; ▪ To develop techniques for integrating the digital cadastral data with mapping data; and ▪ To address the institutional issues on the implementation of CCS <p>A new integrated, unified and high accuracy global positioning system (GPS) control network is of great importance for the development of cadastral database of Peninsular Malaysia. The first objective of the study is to establish a new internationally accepted reference frame for Peninsular Malaysia to an acceptable and defined accuracy. The study had recommended among others to adopt the new geocentric datum for Malaysia for the requirements of three-dimensional geodetic spatial referencing. This datum is based on the International Terrestrial Reference Frame (ITRF2000@00.0). The ellipsoid associated with this datum is the Geodetic Reference System 1980 (GRS80).</p> <p>Various implementation methodologies and issues have been dealt with in the study. This includes the technical aspect as well as the social, economic and institutional issues. A pilot project would soon be undertaken by the department as a harbinger to the full nationwide implementation of CCS.</p>	Info.

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	<p>b. Geocentric Datum of Malaysia (GDM2000)</p> <p>This is considered one of the more important milestones of DSMM – the launching of the new Geocentric Datum (GDM2000), which is a result of the study of CCS. The old datum, which has served its purpose for over a century, is considered unsuitable and incompatible with modern mapping technology and spatial data systems especially the increasingly popular global positioning system (GPS). The new geocentric GDM2000 together with its corresponding RSO and Cassini projection systems will facilitate the integration of geospatial data both locally and globally. Preparation is currently underway to formulate procedures for the full implementation of the new coordinate systems for use in both cadastral survey and topographical mapping. The Launching Ceremony and Seminar on the Geocentric Datum of Malaysia (GDM2000) was held at the Dewan Perdana FELDA on 26/08/2003. The event was officiated by the honourable Minister of Land and Cooperative Development and attended by approximately 800 participants from various disciplines and related agencies. The seminar was held to assist users of geodetic information and other land-related products in understanding the concept, strategies and procedures involved in the move towards the adoption of GDM2000.</p> <p>Existing mapping practise in Malaysia is based on the old Malaysian Revised Triangulation 1948 (MRT48) in the peninsula and the Borneo Triangulation 1968 (BT68) in Sabah and Sarawak. These traditional survey control systems were referenced to a non-geocentric datum, based on the Modified Everest Ellipsoid. Both systems fit well regionally but not globally. In order to fully support GPS activities and modern positioning infrastructures, a more accurate control system in the form of a geocentric datum is needed.</p> <p>The establishment of the Malaysia Active GPS System (MASS) which track signals from GPS satellites continuously since 1999 has provided the impetus for the adoption of the geocentric datum. With data products obtained from the International GPS service (IGS) stations, the precise positions of the 18 MASS stations have been derived using 4-year continuous GPS data. Following this, passive GPS networks in Malaysia were strengthened and have now superseded the old networks. The final outcome from this exercise is a set of accurate coordinates for all the 238 GPS stations in Peninsular Malaysia and 171 GPS stations in East Malaysia referred to the International Terrestrial Reference Frame 2000 at epoch 01/01/2000. Collectively these coordinates represent the basis for the Geocentric Datum of Malaysia (GDM2000). The most obvious impact of adopting the new GDM2000 datum is the change of horizontal coordinates by a shift of approximately 200 metres.</p> <p>It is envisaged that the adoption of GDM2000 will assist and facilitate:</p> <ul style="list-style-type: none"> ▪ The management of geospatial data; ▪ The determination, demarcation and survey of international boundaries with neighbouring countries; ▪ The strengthening of the national defence system; ▪ The integration of various geospatial data sets; and ▪ The establishment of a geo-reference standard in the sharing and exchange of all geospatial data among government agencies and users through MyGDI (Malaysian Geospatial Data Infrastructure) 	<p>Info.</p>

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	<p>c. Airborne Gravity and Geoid Mapping</p> <p>DSMM has also recently completed its nationwide geoidal mapping, producing the first Geoid Map of Malaysia. The geoid model which has an accuracy of 5 cm of East Malaysia and 2 cm for the Peninsular will enable the determination of centimetre-level accuracy orthometric height using GPS technology. The department is currently reviewing the necessity of its second-class and precise levelling network.</p> <p>Traditionally, the determination of a precise geoid at cm-level accuracy in Malaysian has been hampered by the lack of gravity data. Thus, under the 8th Malaysian Development Plan (2001-2005), DSMM has undertaken the Airborne Gravity and Geoid Mapping Project for the whole country.</p> <p>This project was outsourced to a consortium, which comprises of a Malaysian main contractor company with the National Land Survey of Denmark (KMS). The airborne gravimetry technique was used to accurately measure the gravity field of the earth from the air, using an aircraft as the measurement platform. The mobilisation of equipment and personnel started in early February 2003 followed immediately by the gravity data acquisition. The whole project, including the final Malaysian geoid delivery was completed in December 2003.</p> <p>The overall success of the airborne gravity project was due to the cooperation rendered by neighbouring countries. In this aspect, DSMM would like to express its gratitude and appreciation to the Governments of Brunei and Thailand for the assistance given and the over-fly permission along the international borders.</p> <p>d. Feature and Attribute Codes</p> <p>The long-awaited feature and attribute codes has finally reached its concluding stage. This draft standard, which has been developed by the SIRIM Technical Committee (TC 2) on Geographic Information/Geomatics, is currently being distributed for public comment. After which, it will become a Malaysian Standard replacing the obsolete MS 1074 (code of practice for the exchange of digital feature coded mapping data). The standard will provide a system for feature and attribute coding by which producers and users of geographic information may use in structuring their digital spatial data. This data may then be shared or exchanged between systems with differing platform, thus minimising duplication of effort in database development.</p> <p>The new developments as mentioned above will undoubtedly have a lasting effect on the whole geomatics industry in Malaysia as the fundamental datasets produced by the department will be based upon them.</p> <p>e. Other Matters</p> <p>The coming year will bring forth many new challenges for the department as well as the geomatics community at large. Amongst others, DSMM has initiated an effort to establish a new automated mapping and facility management (AM/FM) section. The setting up of this new section is deemed necessary as the department takes on the new responsibility in the AM/FM domain, which was given through Cabinet decisions. Although it is still at the drawing board, this new section will have a tremendous effect on the department. It will extend the department's core business of mapping to the underground realm, and seriously challenge the existing systems and processes.</p>	<p>Info.</p>

NO.	MATTERS IN DISCUSSION	ACTION BY
11.06	<p>Myanmar</p> <p>There was no report.</p>	Info.
11.07	<p>Philippines</p> <p>There was no report.</p>	Info.
11.08	<p>Singapore</p> <p>Mr. Tan Choo Haw briefly reported the following current developments within the Land Surveyor Board, Singapore:-</p> <ul style="list-style-type: none"> ▪ The Land Surveyors Act in Singapore was amended to include other non cadastral surveys such as Engineering Surveys, Topographical Surveys, Aerial Mapping and Hydrographic Surveys. The Act requires that every Surveyor practising in all aspects of surveying to be registered before the Surveyor is allow to practise in Singapore from 1.3.2000. The surveyor before being registered must have qualifications acceptable by the Land Surveyors Board and have passed the boards' examinations. There was a 4 years transitional provision to allow those who were not registered to obtain qualifications recognised in the Act and to have passed the Boards' Examinations. The 4 years transitional provision expired on 29.2.2004. However there was another provision to allow any surveyor who was not registered by 29.2.2004 to apply to the Minister of Law for a further extension of 2 years. This would be granted on a case by case basis. ▪ Singapore will be hosting the 20th annual Joint Meeting of the Land Surveyors Boards of Brunei, Sabah, Sarawak, Peninsula Malaysia and Singapore at the end of July 2004. If ASEAN FLAG is considering the next council meeting this may be an appropriate timing and occasion since some of the council members will already be in Singapore. ▪ The Land Surveyors Board has licensed a 3rd Survey Corporation this year. ▪ The CS (Chief Surveyor's) Directive on Cadastral Survey Practices is posted on the SLA website at URL: http://sla.gov.sg and the LSB (Land Surveyor's Board) Directives on Engineering & Hydrographic Survey Practices is also now posted on LSB website at URL: http://www.minlaw.gov.sg/lsb. <p>Mr. Wee SK updated the meeting on the current development within the Singapore Institute of Surveyors and Valuers (SISV):</p> <ul style="list-style-type: none"> ▪ SISIV's EOGM was held on 27/03/2004. There was no election carried out as the tenure of the office-bearers is for a period of two years. ▪ Amendment to SISV's Constitution & Byelaws to introduce the class of "TechMember" whereby a Diploma holder can become an associate member has been approved. ▪ A new Bill was introduced in Parliament in Feb 2004 to amend 2 existing Acts. Amongst other things, the new Bill will allow formation of multi-tier Management Corporations in a mixed development, such as a development where there are commercial & residential units where not all common properties are shared. 	Info.

NO.	MATTERS IN DISCUSSION	ACTION BY
11.09	<p>Thailand</p> <p>Dr. Wicha Jiwalai reported the current developments in Thailand: -</p> <ul style="list-style-type: none"> ▪ GIS master plan for ~7000 local administration is about to complete; ▪ The National Spatial Data Infrastructure (NSDI) master plan is in the final stage. The fundamental geographic data set (FGDS) will mainly base on a scale of 1:50,000 and 1:4,000; ▪ IKONOS ground receiving station is in operation covering most of ASEAN countries, Bangladesh and southern part of China; ▪ National GPS base stations network is being establish; ▪ The 25th Asian Conference on Remote Sensing will be held in Cheng Mai on 22 – 26 November 2004. Related information will be forward to all councillors and he invited all councillors to this conference. ▪ Discussion is going to separate surveying and mapping from civil engineering under the control of the national council of engineers. 	Info.
11.10	<p>Vietnam</p> <p>There was no report.</p>	Info.
12.0	<p>Date and Venue of the Next ASEAN FLAG Council Meeting</p> <p>After much deliberation, the council agreed that the forthcoming council meetings will be held as follows:-</p> <p>19th Council Meeting Date : 3rd October 2004 (to coincide with the 3rd FIG Regional Conference Time : TBA Venue : JW Marriott Hotel, Jakarta</p> <p>Pengiran Matusin remarked a meeting amongst some council members should be held on the sideline of the Joint Survey Boards Meeting scheduled for end of July in Singapore with the aimed at the preparation of 8th SEASC.</p>	
13.0	<p>Any Other Matters</p>	
13.1	<p>PCGIAP in Bangalore, India on January 2004</p> <p>Pengiran Matusin informed that during the 10th Meeting of the Permanent Committee on GIS Infrastructure for Asia and the Pacific (PCGIAP) in Bangalore, India on 30-31/01/2004 one of the matters discussed was on the Borneo GIS Infrastructure Project. It was resolved that the unification of geodetic datums over Borneo be jointly undertaken by neighbouring countries in collaboration with ASEAN FLAG to provide the basic framework for a GIS infrastructure over the area for development of an environmentally focused GIS. This is one of the projects to be undertaken by PCGIAP WG1.</p> <p>He informed the forthcoming workshops organised by PGCIAP working group committee as follows: -</p> <ul style="list-style-type: none"> ▪ PCGIAP WG3 Workshop on Administering the Marine Environment will be held in Kuala Lumpur on 4-7/05/2004 ▪ ISO/TC 211 18th Plenary and WG meetings will be held in Kuala Lumpur from 24/05/2004 – 28/05/2004. 	Info.

NO.	MATTERS IN DISCUSSION	ACTION BY
14.0	<p data-bbox="268 230 437 259">Adjournment</p> <p data-bbox="268 293 1225 353">There being no other matter to discuss, the meeting ended at 12.30 p.m. with a vote of thanks to the Chair.</p> <p data-bbox="268 477 528 506">Minutes Prepared By:</p> <p data-bbox="268 629 507 689">Estellita Crispin Executive Secretary</p> <p data-bbox="836 477 1110 506">Minutes Confirmed By:</p> <p data-bbox="836 629 1078 689">Dr Khoo Boo Khean President</p>	