



Talk on “The Malaysian Smartcard Landscape”

(Organised by Information Technology Special Interest Group, IEM)

Date : **20 March 2010, Saturday**
 Time : **9.00 a.m.(Refreshment will be serve at 10.30am)**
 Venue : **TUS Lecture Room, 2nd Floor, Wisma IEM**
 Speaker : **Eddy Cheah**

BEM APPROVED
CPD/PDP HOURS: 02
REF: IEM10/HQ/041/T

Synopsis of Talk

This presentation describes several national smart card based infrastructure systems deployed in Malaysia. In 1998 Malaysia issued its first chip passport which was upgraded with biometrics components in early 2003. It became the first country to have a chip-biometrics passport complete with border control automated immigration gates infrastructure that very closely resembles the ICAO recommendations, published in mid 2003. Malaysia also started issuing smart chip based ID cards nationally in 2001, complete with biometrics, driver’s license, health, border control, e-Cash, ATM and PKI functionalities. In 2005, Malaysia completed a national EMV migration exercise which saw the total replacement of all magnetic stripe credit card with chip based cards together with a terminal and switching infrastructure supporting these cards. Finally, Malaysia deployed a national toll and transport fare payment card built around MIFARE contactless technology. Today, Malaysia is probably one of the few countries in the world with nationally deployed smart card systems that covers digital identity (MyKad and e-Passport), banking (EMV and MyKad – ATM + e-Cash), transport (MIFARE – Touch & Go, also in MyKad) and government (MyKad and e-Passport) applications.

Lessons learned and experience gained from these Malaysian smart card infrastructure deployments will be discussed in this presentation and shared with all participants.

Biodata Of Speaker

Eddy is presently Malaysian director of the Asia Pacific Smart Card Association as well as the managing consultant of AGAPE Consultancy. His intimate knowledge of the business processes applicable to presently deployed, chip based identity/payment/transport infrastructures allows him to provide highly effective advise on using these infrastructure elements to derive innovative solutions to address evolving business and technology issues. Apart from this area of specialization, Eddy also has expertise in business/technology risk mitigation and conceptualization of new business processes to accommodate advanced technology deployment.

From early 1998 to 2003, Eddy actively contributed to the deployment of the Malaysian MyKad, a chip based multi application national ID card with biometrics. He was instrumental in the deployment of the automated border control systems in 2001, which used fingerprint biometrics in conjunction with Malaysia’s contactless chip based passport. Eddy played a key role in both the MyKad and Malaysia’s chip biometrics passport, which pioneered the large scale deployment of secure identity documents utilizing chip and biometrics technology. He went on to conceptualise many innovative business applications using both the ePassport and MyKad. One of these programs is the ePetrol system where an existing deployed smart card (the Malaysian ID card in this case) is used to initiate payment transactions in the fuel retail industry. This is a new application area for the Malaysian ID card.

Engr. Abdul Fattah bin Mohamed Yatim MIEM
 Chairman
 ITSIG, IEM

Announcement to note:

1. Talk is **STRICTLY** for IEM members only (walk in)
2. Limited seats available on a "first come first served" basis. (maximum 110 participants)
3. No telephone and/or fax reservation will be entertained.
4. Latecomers will not be allowed entrance, if the lecture hall is full.
5. Please bring along this flyer and membership card for confirmation of attendance (CPD purpose).

For IEM members, membership cards MUST be presented for identification purpose. Members who fail to show their membership card will be charged a fee of RM20.00.

FUNDS FOR IEM NEW BUILDING

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CPD HOURS CONFIRMATION

Name of Member: Membership No:

Signature : Date: