

**RAISS Forum Proceedings (Volume 4)**

Meng-Chow Kang (Ed.)

22 April 2006



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### **Mr Meng-Chow Kang Co-Chair, RAISS Forum**

It seemed not too long ago when the idea of a regional security standards forum was mooted. By the next meeting, the RAISS Forum will be two years old. From the start, we have collectively shared concerns over the lack of information sharing and exchange of learning within the region to promote the development and adoption of information security standards, and increased resources to support their implementation. We have also learned that the unique requirements of the region, whereby a diversity of culture prevails, need to be collated and addressed in international standards. The RAISS Forum was therefore formed to address these challenges and leverage the opportunities in the region. The Forum aims to provide a platform for standard bodies in Asia to discuss and share knowledge and experiences on issues relating to information security standards adoptions, developments, and other related activities. The Forum also provides a platform for identifying and developing security standards and other supporting activities at a regional level to fulfil the needs of Asia.

Looking back at the past four meetings within two years, including the fourth meeting that is captured in this proceedings, as a regional gathering of like-minded security standards experts and information security professionals, I believe we have made good progress, even though there are still a lot to be done.

Since the first meeting that was held in Tokyo, Japan, in November 2004, members of the RAISS Forum continued to meet informally and separately in different occasions, discussed the issues that were shared at the meeting, and performed follow-up actions and projects that were meaningful to the Forum members and participants. These ongoing interactions led to the successful completion of the second RAISS Forum meeting on 28 June 2005 in Singapore, third meeting on 12 November 2005 in Kuala Lumpur, Malaysia, and the recent fourth meeting on 22 April 2006 in Jeju, South Korea.

The fourth meeting not only brought together the original members of the RAISS Forum, but also see the participation of several security standards experts from Study Group 17 in ITU-T, which brought the meeting attendance to more than 30 people, generating many interactions and active dialogues throughout the meeting.

The meeting opened with a keynote by Dr Hong-Sub Lee, President and Chief Executive Officer of Korea Information Security Agency (KISA), who reaffirmed the Korean government and her industry's supports of security standards to the RAISS Forum and other international standards bodies.

In addition to the economy updates on the respective security standards related strategies, activities, progresses, and challenges, which are reported in this proceedings, the meeting also discussed several project proposals that were originally raised by Thailand and Singapore at the second meeting, and Malaysia and South Korea in the third meeting. The projects were discussed in two parallel breakout sessions, chaired by Mr Kin-Chong Chan, and Mr Tim-Meng Ching of the Security and Privacy Standards Technical Committee (SPSTC), IT Standards Committee (ITSC), Singapore. This includes a proposal to adapt the BS 7799 Lead Auditors training program for Network and Systems Security Administrators, a security standards toolkit to share best practices in security standards related organizations and activities, development of an application security standards framework, development of a new guidelines on business continuity management, and explore the possibility for mutual recognition of local security certification schemes from economies such as Chinese Taipei and South Korea.

A new addition to the Forum in this meeting is the presentation of two recent security developments in the industry. The first presentation was on a network security research initiative undertaken by the National Institute of Communications Technology (NICT), Japan, on network security incidents analysis and traceback by Mr Koji Nakao. Next is a paper that I shared on the concept of Identity Metasystem, an initiative to promote secure interoperability of identity systems through the use of Web Services standards.

As in the previous proceedings, all the papers that were presented at the meeting have been included in this publication in order to document the knowledge and information shared and extending them to other economies that could not be present at the meeting. A summary of the consensus reached and key action items identified in the two breakout sessions are also included to capture the main outcome of the meeting, and serves as a basis for follow-up in subsequent meetings.

The fourth meeting in April 2006 has brought about new progresses in the objectives that we established in the inauguration of the RAISS Forum and re-endorsed in the previous meetings. To realize and reap the benefits of security standards, continued supports, participations and contributions from regional economies in Asia Pacific are critical. This includes the continuous supports from the respective national bodies and government agencies, and the industry, that provided much of the expertise and sponsorship needed to make ongoing progress possible.

While this proceedings is being published, the fifth meeting is also being planned, which is scheduled to be held on 4 and 5 October 2006, in Tokyo, Japan. Regional security standards bodies or groups interested in joining the meeting should contact the Secretariat of the RAISS Forum via email at [nitsc@ida.gov.sg](mailto:nitsc@ida.gov.sg).

### **Acknowledgement**

The progress we have made collectively in the RAISS Forum would not have been possible without the generous contribution and active participation of the members, speakers, and participants involved. This proceedings would also not have been published if not for the speakers' follow-on work to have their presentations written in the midst of their tight schedule and other commitments. On behalf of the members of the RAISS Forum, I would also like to thank Microsoft (Asia Pacific), Microsoft Korea, Korea Information Security Agency (KISA), Korea Telecommunications Technology Association (TTA), ITSC Singapore, Standards, Productivity & Standards Board (SPRING Singapore), and Infocomm Development Authority of Singapore (IDA Singapore) for the management support and financial sponsorship rendered for organizing

the Forum meeting and publishing this proceedings. In particular, Prof Heung-Youl Youm of Soonchunhyang University for organizing the fourth meeting in Jeju, Korea, and Kin-Chong Chan and Tim-Meng Ching for their facilitation and follow-up actions for the two breakout sessions. And finally, special thanks to Mr Koji Nakao (Co-Chair of RAISS Forum), and Ms Yean-Lan Thay (Secretariat of RAISS Forum), for all the efforts and relentless hard work put into the realization of the Forum's meeting and this proceedings.

## Mr Meng-Chow Kang

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*Associate Rapporteur, Cybersecurity, Q6/SG 17, ITU-T*

*Chair, Security and Privacy Standards Technical Committee, IT Standards Committee, Singapore*

*Board Member, International Information Systems Security Certification Consortium (ISC)<sup>2</sup> Asia Advisory Board*



Based in Singapore, Meng-Chow has been a practicing information security professional for more than 19 years, with field experiences spanning from technical to management in the various security and risk management roles in the Singapore government, major multi-nationals financial institutions, and security and technology providers.

Meng-Chow has been contributing to the development and adoption of international standards relating to information security since 1998, and initiated the formation of the Regional Asia Information Security Standards (RAISS) Forum in 2004.

In August 2005, Meng-Chow was presented the accolade 'IT Evangelist of the Year 2005' by the Singapore National Infocomm Competency Council (NICC) in recognition of his work and contribution to the IT security community and standards arena. Meng-Chow was also the recipient of the 'Distinguished Award' from the Standards, Productivity and Innovation Board (SPRING Singapore) in September 2005 for his effort and leadership in shaping the IT security standardization landscape in Singapore.

Meng-Chow received his MSc degree in Information Security from the Royal Holloway and Bedford New College, University of London. He has been a Certified Information Systems Auditor (CISA) since 1997, and a Certified Information Systems Security Professional (CISSP) since 1998.

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# Agenda Of The 4th RAISS Forum Meeting

22 April 2006

Jeju Grand Hotel, Amethyst Room

Jeju, South Korea

## Agenda

Time	Topic
0900hrs - 0915hrs	<b>Registration</b>
0915hrs - 0930hrs	<b>Welcome Address</b> <ul style="list-style-type: none"> <li>■ By Co-Chairs of the RAISS Forum</li> <li>■ By Dr Hong Sub Lee, CEO &amp; President, Korea Information Security Agency (KISA), South Korea</li> </ul>
0930hrs - 1030hrs	<b>Updates from Each Economy [I]</b> <ul style="list-style-type: none"> <li>■ Australia, by Johit Das</li> <li>■ Chinese Taipei, by Dr Dwen-Ren Tsai</li> <li>■ Malaysia, by Prabha Ramanathan</li> </ul>
1030hrs - 1100hrs	<b>Tea Break</b>
1100hrs - 1200hrs	<b>Updates from Each Economy [II]</b> <ul style="list-style-type: none"> <li>■ Japan, by Koji Nakao</li> <li>■ Singapore, by Kin-Chong Chan</li> <li>■ South Korea, by Tae-Hee Cho &amp; Jong-Hyun Baek</li> <li>■ Thailand, by Dr Banchong Harangsri</li> </ul>
1200hrs - 1300hrs	<b>Lunch Break</b>
1300hrs - 1430hrs	<b>Recent Security Developments</b> <ul style="list-style-type: none"> <li>■ Presentation on Development of SC 27, by Ted Humphreys, Convenor, SC 27/WG 1</li> <li>■ Presentation on Identity Metasystem - A New Perspective and Architecture on Digital Identity, by Meng-Chow Kang</li> <li>■ Presentation on Security Incidents and Trace-back Issues, by Koji Nakao</li> <li>■ Panel Discussion</li> </ul>
1430hrs - 1545hrs	<b>Projects Discussion - Parallel Breakout Sessions</b> <ul style="list-style-type: none"> <li>■ Track 1 - Facilitated by Kin-Chong Chan, Singapore <ul style="list-style-type: none"> <li>• Risk Assessment Guideline for Systems and Network Administrators</li> <li>• Guideline for the Implementation of Business Continuity Management</li> </ul> </li> <li>■ Track 2 - Facilitated by Tim-Meng Ching, Singapore <ul style="list-style-type: none"> <li>• Security Standards Toolkit</li> <li>• Application Security Standards</li> <li>• Mutual Recognition of IT Security Certification</li> </ul> </li> </ul>
1545hrs - 1615hrs	<b>Tea Break</b>
1615hrs - 1745hrs	<b>Final Discussion</b> <ul style="list-style-type: none"> <li>■ Summary of projects discussed</li> <li>■ The way forward for each project</li> <li>■ Collaboration with other Forum</li> <li>■ Schedule and venue for next meeting</li> </ul>
1745hrs - 1800hrs	<b>Closure of Meeting</b>

**Dr Hong Sub Lee**

**Chief Executive Officer & President**

**Korea Information Security Agency (KISA), South Korea**

**At the**

**Regional Asia Information Security Standards (RAISS) Forum**

**22 April 2006**

**Jeju Grand Hotel, Amethyst Room**

**Jeju, South Korea**

Mr Meng-Chow Kang, Mr Koji Nakao, Co-Chairs of the RAISS Forum, delegates from each economy, and distinguished guests, thank you for attending the 4th RAISS Forum meeting.

I believe RAISS Forum will play a key role in the standardization of information security in the Asia region. And it is my great pleasure to have you along with the ITU-T SG17 meeting being held in Jeju Island, a pilot city for telematics in the coming ubiquitous society.

Since 1999, KISA has been working for the developments of SEED block cipher and standards of biometrics area in Korea. We have also participated in the standardization activities through IETF, ISO/IEC, ASTAP and others.

KISA will continue to share with ITU-T and the RAISS Forum members on knowledge and experience of information security issues such as privacy and spam. Through close cooperation with ITU-T and the RAISS Forum, KISA will make an effort for international adoption of local standards and the development of best practices in telecommunications, finances, medical services, and so on.

In closing, I would like to thank deeply the Ministry of Information and Communication and the RAISS Forum for preparing this 4th RAISS Forum meeting.

I wish you all good health and best of luck.

Thank you very much.