

# Trip Report for Singapore VCCI Workshop

International Relations Subcommittee

## Introduction

The workshop had been held to make the activities of VCCI widely known by overseas members. For this fiscal year, however, we held a workshop in combination with the IEEE Colloquium held in Singapore. We interacted with EMC-related people from different fields such as regulating authority, industrial society and universities, from not only Singapore but also other nearby Asian countries.

## Exchange Mission Members and Schedule

(1) Trip period: 2006/11/7 to 2006/11/11

(2) Place: TUV SUD PSB Corporation Pte Ltd.  
1 Science Park Drive Singapore 118221

(3) Participants from VCCI:

Haruyoshi Nagasawa	VCCI Executive Director
Akihisa Sakurai	Chairman of VCCI Steering Committee (IBM Japan, Ltd.)
Satoshi Shibata	Chairman of VCCI International Relations Sub-committee, Member of Steering Committee (Matsushita Electric Industrial Co., Ltd.)
Shigenori Mizuno	Chairman of VCCI Market Sampling Test Sub-committee, Member of Steering Committee, Member of International Relations Sub-committee (Ricoh Co., Ltd.)
Tetsuya Okumura	Member of VCCI International Relations Sub-committee (TUV SUD Ohtama, Ltd.)
Yoko Inagaki	VCCI secretariat

## Outline

We participated in IEEE-sponsored ASEAN Colloquium and Akihisa Sakurai, Chairman of VCCI Steering Committee introduced the current status including the history of VCCI and described the future plans of Kit Module etc. On the next day, we hold a workshop under the title of "Access to Japan" co-hosted by PSB and VCCI, and delivered lectures about the overall EMC regulations when companies in Southeast Asian countries ship their products to Japan. Maybe because of a high interest in Japanese EMC regulations, the workshop was very well attended by approx. 80 participants and led to a very lively Q&A session.

## ASEAN Colloquium

(1) Number of participants: Approx. 130 people

(2) Participating countries: Singapore, Malaysia, Thailand, Indonesia, etc.

(3) Lecture contents

“High Speed Electronic EMC and Signal Integrity”

Dr. Li Er Ping, A\*STAR, Institute of High Performance Computing (IHPC)

“Progress of VCCI's Industry Self-Regulations in Japan and a Look to the Future

Mr. Akihisa Sakurai, VCCI

“PCB Layout and its Impact on Product's EMI Compliance”

A/Prof. See Kye Yak, Nanyang Technological University (NTU)

“EMC status in Thailand: Regulation, Standard, Research and Education”

A/Prof. Werachet Khan-ngern, KMITL, Thailand

“EMC Testing for Europe Market, New EMC Directive, and e-Mark Certification.”

Mr. Deng Jun Hong, TÜV SÜD PSB Corporation

“Small Ultra-wideband Antenna”

A/Prof. Ooi Ban Leong, National University of Singapore (NUS)

“Substrate Integrated Circuits and Devices

Dr. Albert Lu, Singapore Institute of Manufacturing Technology (SIMTECH)

## VCCI Workshop

(1) Number of participants: Approx. 80 people

(2) Lecture contents

Opening address	(Nagasawa)
Description about VCCI's activities in Japan in general	(Sakurai)
Summary of the Radio Law	(Shibata)
Description about EMC of PSB	(Mr. Deng Junhong)
Summary of Electrical Appliance and Material Safety Law	(Shibata)
Guidelines of industrial associations and other Japanese EMC regulations	(Okumura)
Summary of market sampling	(Mizuno)

(3) Comments from participants

The VCCI workshop this time won very high praise from many participants. Some of their comments are extracted as follows:

- Technical data available for download from VCCI's website are very useful.
- We are using VCCI's materials for training as the materials for in-house training.
- CISPR 22 country-specific standards comparison table is very easy to understand.
- I am always downloading the materials of VCCI, but I presume that such availability is relatively

unknown.

- There are many materials I don't understand as they are written in Japanese, but still I use such materials.
- I have participated in VCCI workshops several times in the past, and the workshop this time is the easiest to understand.

#### (4) Finding

About half of the participants this time were nonmembers and many people did not know much about VCCI itself. However, among the participants, several companies inquired about the application for membership in VCCI. It was successful throughout the whole meeting from viewpoints of number of participants, their evaluations, etc. As a fault that we must reflect on is the suitability of contents. When holding workshops in the future, it is considered necessary to mention the concrete contents about VCCI's EMI standards themselves also in addition to the governing structure and history of VCCI in consideration of the percentage of VCCI members in participants. Also, we had the impression that it would be good to publicize what kinds of Qs & As, instruction materials and technical data that VCCI has, and how useful data are being distributed by VCCI.

