VCCI DAYORI

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Contents

Contribution

Godsend in a hell on the street of Paris

Manabu Kurata

In Paris people's activities start late in the morning. At the time I started jogging by waking up early there was nobody visible in the street, which makes a drastic contrast with the bustle of the previous evening. I just kept running in the quiet morning. Even at around 2 hours running, however, I was still unable to return to the road where I started jogging. How many times I went back and forth I don't remember.

My day starts with jogging for fitness which has become my hobby and routine I don't remember since when, but my day wouldn't start without it. Neither it being raining nor myself being a little sick would change this routine a bit. Even in overseas I visit on business this routine would not change.

On this day too I started running with an intention to have some experience to look around flower-decked Paris on my own feet. I was careful not to neglect memorizing things at corners and sidestreet by looking back things like houses, signboards and trees as a landmark to help me remember the return path. I was confident that I tried to print scenaries around me on my eyes more carefully than ever as it was my first visit to Paris. But I was never able to return to the path I remembered to lead me back to my hotel.

I was confident I returned to the road I passed after circling the Opera. By the time I realized that I took the wrong way I had repeated erroneous routing for 5 or 6 times. I had no idea why and where I lost my way back. There was no cars passing at all, much less taxis I wanted to catch. Before that all I had was a key of the hotel room and I did not have even 1 franc. After a while people were seen here and there. I ventured to ask one of them to help me find my way back. "Speak English?" I asked (if I got the answer "yes" I will be in another trouble though).

Who would deal with a dubious oriental guy in jogging ware suddenly speaking unintelligible language early in the morning? I repeated the same thing to a couple of other passersby but the result was the same. Men ignored me and women trotted away.

In a while I started getting worried about my appointed time (10 o'clock was it?). I almost got panic-stricken from desperation and fatigue. As soon as I started moving my legs through inertia I was hit by the door of a store facing the road getting opened. No time for hesitation this time. I tumbled into the store by greeting with "pardon" in French I intended. I was a drowning man trying to catch at a straw.

Surprisingly I heard Japanese spoken "What's the matter?" by a man. I never forgot the sense of relief of that time. My feeling could not be expressed other than by "A friend in need." The middle aged man flatly asked while he gave me a glass of water, "You lost the way?" I guessed he had a similar incident in the past.

I started talking timidly after a pause for a breath. "I thought I made sure I am on the right street …." To that the store owner taught me in a smile the reason why I lost. "People in Paris set great value on the landscape. That's why almost all buildings keep the same shape before the Second World War – almost the same height and shapes."

He added “So if you look back you have difficulty telling which is which as all corners look the same. Even more so for a stranger.”

He told me the way back by looking at the Hotel key I showed him, “It is one road mistaken as I guessed. You are to return to the direction of Opera once and go on the road stretched in the next to a radiated way. It was about a little past 8 o’clock in the morning if I remember. Who would open his store early in the morning when almost all people in Paris are still in bed? This is because he is Japanese, I thought. I ran on the street I was taught by appreciating the diligence and kindness of the fellow countryman.

However, I kept losing out on the hotel probably because it was still far away. I asked a policeman at a cross road in English as I felt ill at ease as I may have lost again, “How, minittu, to, zis, hoteru?” by showing him the hotel key.

I was not sure he understood me or not, but he started speaking something rapidly ended by winking with one eye. I guessed he said “It’s up to your speed of running.” I was reproachful of his attitude in mind – he should have been kinder to me who was in trouble almost in the vicinity of his hotel.

In this same business trip I lost also in Frankfurt. In overseas cities a man may lose his way easily. Fortunately this time the target place is in the corner of a high-rise building, so I could go back and forth always with the building in the corner of my eyes. What helped me confirm the scenery was the fact that the height and shape of buildings are not even unlike in Paris as the city of Frankfurt was rebuilt after the destruction with heavy bombing in the World War II.

In that evening our group of foreign correspondents went to amusement quarters on the guidance of my colleague. While we were strolling I noticed the quarter is the place where I lost my way this morning while jogging. “This is Sachsenhausen. It is like Kanda or Asakusa in Tokyo” said my colleague.

In London the area I ran was within the Hyde Park, so there was no possibility that I lose track of where to get back. Meanwhile I established a routine to exchange greetings with a cavalryman I meet every morning. He declares “I am colonel” from high on the back of the horse and continues “Are you lieutenant?” in looking down his nose at me. He looked suspiciously at me possibly with silent question, “Weren’t you jogging in the riding ground?” To that I wanted respond “No, I am a Japanese journalist,” but I swallowed the response and just nodded as I was intimidated by Kings English spoken by the colonel.

This is an anecdote of the time when Japan in an uproar with high economic growth rate caught up and outpaced GDP of European countries. Since then I have never gotten lost in my jogging in New York, Washington DC, Chicago, Hawaii, Seoul, Taipei and Bangkok, to name a few.

Manabu Kurata

1940 Born in the Aichi prefecture

1963 Graduated from the Nagoya University (the department of sociology)

Joined Nihon Keizai Shimbun, assigned to local news section, security section, etc.

1983 Sent on loan to “Nikkei Research” and transferred there afterwards.

Managing director and regular auditor

2003 Vice President of the Community Shimbun

2007 Director of Shogin Sogo Kenkyusho (Now FIDEA Research Institute Corporation)

2013 Editorial writer (part time) of Shonai Nippoh Company

Committee Activities

● Board of Directors

Date	March 27, 2015
Agenda items	● 1. FY2015 Business plan ● 2. FY2015 Budget ● 3. Nomination of members of the Measurement Facility Registration Committee
Decisions made and reports given	● Agenda item 1. Approved as proposed ● Agenda item 2. Approved as proposed ● Agenda item 3. Approved as proposed ● Reporting item. Result the work of the VCCI Ad Hoc Task Force

● Steering Committee

Dates	February 18, March 18 and April 15, 2015
Agenda items	● 1. (draft) FY2015 Business plan and (draft) FY2015 Budgetary plan ● 2. Comment solicitation on the proposed revision of the rules of VCCI ● 3. Call for the participation in the Information Communication Month of this fiscal year ● 4. Strategy for multimedia equipment in the future ● 5. Report on VCCI Ad Hoc Task Force recommendations ● 6. Revision of Frequently Asked Questions ● 7. Newly admitted VCCI members
Pending business	● Agenda item 4.
Decisions made and reports given	● Agenda item 1. Approved ● Agenda item 2. Approved ● Agenda item 3. Approved ● Agenda item 5. Approved ● Agenda item 6. Approved ● Agenda item 7. Approved ● Reporting item 1. Report on VCCI seminar at Industrial Research Institute of Shizuoka Prefecture ● Reporting item 2. System to enable Article 3 based Facility Registration ● Reporting item 3. Report on the VCCI International Forum held in March ● Reporting item 4. Summary report on No.22 Board of Director meeting held in March

● Technical Subcommittee

Dates	March 4, 2015
Agenda items	● 1. Members' comments solicited on the proposed revision of the VCCI Technical Requirements ● 2. Outlook on FY2014 activity plan and proposed FY2015 activity plan ● 3. Contribution to the first meeting of CISPR32 Joint Task Force on the identification of deviation from the international standards
Pending business	● Agenda item 1. Verification plan by each working group in FY2015
Decisions made and reports given	● Report on technical exchange meeting with Taiwan BSMI held on February 2 and 3, 2015 in Taiwan ● The proposed revision of the VCCI Technical Requirements was publicized in the VCCI Web site on April 1, 2015 after reconfirmation and approval. ● Approved the FY2015 activity plan as proposed ● Held a briefing meeting on CISPR32 Ed.2 standard for all members of VCCI subcommittees on April 6.

● International Relations Subcommittee

Dates	February 4 and 13 and March 13, 2015
Agenda items	● 1. General overview of the VCCI International Forum 2015 ● 2. Update of the table on World ITE standards
Pending business	● Agenda item 2
Decisions made and reports given	● Held the VCCI International Forum 2015 at the United Nations University on March 6. (see the subject report in this issue of Dayori)

● Market Sampling Test Subcommittee

Dates	February 6, March 5 and April 10, 2015
Agenda items	● 1. Document inspections ● 2. Follow-up on the cases failed tentative ● 3. Policy on criteria on samples selection for FY2015 ● 4. FY2015 test plan and budget ● 5. Fact-finding report on the legitimacy of the use of the VCCI mark ● 6. Trend in Fails ● 7. Proposal on new classification symbols of equipment
Pending business	● Agenda item 2: Of 6 cases judged failed-tentative 4 cases were finalized as "Passed" as sample specific problems. Remaining 2 cases are under investigation
Decisions made and reports given	● Agenda item 1. A report was given on the result of document inspections in FY2014. 2 out of 40 cases were requested for retesting as problems were identified. What follow is remarkable problems identified, to the owners of which a request for improvement was issued. 1. VCCI mark is missing, warning message was old and no description found in user's manual (27 of 40 cases – 67.5%) 2. No clear information is given on the configuration of I/O port and cables, cores and shield and length etc. (19 of 40 cases – 47.5%) 3. Model and type names are unclear or different from registration (10 of 40 cases –

	25%) ● Agenda item 3. Proposed policy on sample selection for FY2015 was approved ● Agenda item 4. Request for the increase of budget on market sampling test was approved to perform market sampling test of the same number as that of FY2014 more efficiently and to conduct information exchange meetings on the subject with overseas counterparts. Concrete execution plan to be developed in harmonization with that of peer subcommittees. ● Agenda item 5. A notable finding in this year's operation was lack of the VCCI mark on I/O equipment, portable terminals and tablet, etc. The situation on IC recorders and speakers was different from supplier to supplier. The cases of misleading statement "Certified" or "Approved" on the cartons were on the decrease. However, conspicuous self-made marks were still found. Inspection of products purchasable in the Internet is subject to future study. ● Agenda item 6. Outlook of the number of "Failed" in FY2014 is the lowest in the past three years. There was no noticeable inclination in the distribution of the member numbers of sampled suppliers at the time of admission to VCCI. It is considered that the fluctuation in the number of "Failed" is accidental coming from random sampling. So there is no reason to change the sampling scheme for FY2015. ● Agenda item 7. A proposal was made on the improvement of the table of equipment classification symbols used for product filing to VCCI with the addition of concrete example of the latest product types. This is a counter measure to products without VCCI mark displayed. Also it is to step up measures for the introduction of CISPR32 scheme. This proposal will be presented to the steering committee.

● Education Subcommittee

Dates	February 12, March 12 and April 9, 2015
Agenda items	● 1. Plan on FY2015 education and training courses ● 2. Structure of the course on the operations ● 3. Opening of automated/manual measurement course
Pending business	● Agenda item 1. Continue discussions on the structure of lecture and materials for telecommunication ports measurement course to be added to the measurement engineers training program from the latter half of FY2015 ● Agenda item 3. Continue the development of course text based on the contents of the lecture decided
Decisions made and reports given	● Agenda item 2. Use the same lecture structure of training course for the Operation as that of FY2014. Will run the course in cooperation with related subcommittees ● FY2015 education and training plan was approved. The texts and related materials for the courses were confirmed ● Track record on the enrollment in training and education courses in FY2015 23 trainees took the 32nd course for basic course for measurement engineers held on April 24

● Communication Subcommittee

Dates	February 13, March 13 and April 10, 2015
Agenda items	● 1. Zero en note (equating “aid” in Japanese pun) ● 2. Place an advertisement in three technical magazines ● 3. English translation of a brochure folded in three ● 4. Techno Frontier exhibition ● 5. Renovation of the VCCI Website
Pending business	● Agenda item 5. Discussed the policy for renovation. Further discussion needed
Decisions made and reports given	● Agenda item 1. Distributed 10,000 Zero en notes to 22 universities with department science and engineering starting in Mid-February. Increased access to the QR code indicates that there have been certain effects of this way of public relations ● Agenda item 2. Placed an advertisement with the same design in February issue of periodicals of The Institute of Electronics, Information and Communication Engineers, February issue of Shin-denki (New electricity) and March issue of Monthly EMC ● Agenda item 3. English version of the brochure folded in three was completed ready for distribution in exhibitions overseas ● Agenda item 4. Confirmed the two panels to be used in the exhibition and responsible explainers

● Measurement Facility Registration Committee

Date	February 23, 2015
Agenda items	Reviewed the result of deliberations by the Measurement Facility Examination WG and concluded as follows
Decisions made and items completed	Conformity certified (including cases certified with qualification comments after extra paper checking); 14 companies • Radiated EMI measuring facilities; 14 • Mains ports conducted EMI measuring facilities; 16 • Telecommunication ports conducted EMI measuring facilities; 5 • Radiated EMI measurement facilities above 1GHz: 4 Applications returned with comments; 3 Applications carried over to the next meeting; none
Date	March 16, 2015
Agenda items	Reviewed the result of deliberations by the Measurement Facility Examination WG and concluded as follows
Decisions made and items completed	Conformity certified (including cases certified with qualification comments after extra paper checking); 17 companies • Radiated EMI measuring facilities; 8 • Mains ports conducted EMI measuring facilities; 9 • Telecommunication ports conducted EMI measuring facilities; 13 • Radiated EMI measurement facilities above 1GHz: 3 Applications returned with comments; none Applications carried over to the next meeting; none
Date	April 27, 2015
Agenda items	Reviewed the result of deliberations by the Measurement Facility Examination WG and concluded as follows
Decisions made and items completed	Conformity certified (including cases certified with qualification comments after extra paper checking); 18 companies • Radiated EMI measuring facilities; 10 • Mains ports conducted EMI measuring facilities; 11 • Telecommunication ports conducted EMI measuring facilities; 8 • Radiated EMI measurement facilities above 1GHz: 8 Applications returned with comments; none Applications carried over to the next meeting; none

● LIST OF ABBREVIATIONS used in Committee Activities section

Abbreviation	Full Name
AAN	Asymmetric Artificial Network
AMN	Artificial Mains Network
ANSI	American National Standards Institute
APD	Amplitude Probability Distribution
APLAC	Asia Pacific Laboratory Accreditation Corporation
AQSIQ	General Administration of Quality Supervision , Inspection and Quarantine of the People's Republic of China
BSMI	Bureau of Standards, Metrology and Inspection
CALTS	Calibration Test Site
CB	Certification Body
CB	Competent Body
CCC	China Compulsory Product Certification
CD	Committee Draft
CDN	Coupling Decoupling Network
CDNE	Coupling Decoupling Network for Emission
CDV	Committee Draft for Vote
CEMC	China Certification Center for Electromagnetic Compatibility
CEN	European Committee for Standardization
CENELEC	European Committee for Electro Technical Standardization
CISPR	International Special Committee on Radio Interference
CMAD	Common Mode Absorbing Device
CQC	China Quality Certification Center
CSA	Classical (Conventional) Site Attenuation
CSA	Canadian Standards Association
DAF	Dual Antenna Factor
DC	Document for Comment
DoC	Declaration of Conformity
DOW	Date of Withdrawal
DTI	Department of Trade and Industry
DUT	Device Under Test
ECANB	EC Association of Notified Bodies
Ecma	European association for standardizing information and communication systems
EICTA	European Information, Communications and Consumer Electronics Technology Industry Association
EMCC	Electro Magnetic Compability Conference
EMCAB	Electromagnetic Compatibility Advisory Bulletin
EMF	Electromagnetic Field
EMF	Electromotive Force
ETSI	European Telecommunication Standards Institute
EUANB	European Union Association of Notified Bodies
EUT	Equipment Under Test
FAR	Fully Anechoic Room
FDIS	Final Draft International Standard
GB	guo jia biao zhun（National Standard of China）
ICES	Interference-Causing Equipment Standards
ICNIRP	International Commission on Non-Ionizing Radiation Protection
IS	International Standard
ISM	Industrial Scientific and Medical
ISN	Impedance Stabilization Network
ITE	Information Technology Equipment
LCL	Longitudinal Conversion Loss
MOU	Memorandum of Understanding
MP	Magnetic Probe
MRA	Mutual Recognition Agreement/Arrangement

Abbreviation	Full Name
NCB	National Certification Body
NICT	National Institute of Information and Communications Technology
NIST	National Institute of Standards and Technology
NP	New Proposal
NSA	Normalized Site Attenuation
NWIP	New Work Item Proposal
OFDM	Orthogonal Frequency Division Multiplex
PAS	Publicly Available Specification
PLT	Power Line Telecommunication
R&TTE	Radio & Telecommunications Terminal Equipment
RBW	Resolution Band Width
REF	Reference
RRA	Radio Research Agency
RRT	Round Robin Test
RSM	Reference Site Method
RVC	Reverberation Chamber
SAC	Semi Anechoic Chamber
SN	Signal to Noise ratio
TF	Task Force
TG	Tracking Generator
UPS	Uninterruptible Power Supply
VBW	Video Band Width
VHF-LISN	Very High Frequency-Line Impedance Stabilization Network
VSWR	Voltage Standing Wave Ratio
WP	Working Party

Serial Article – 1

Organization of EMC related Standardization Committees

By Masamitsu Tokuda

1. Foreword

Self-regulation system of VCCI is run based on the MPT endorsed CISPR22 standards. That is the reason why it is important to understand CISPR (International Special Committee on Radio Interference in English) = (Comité International Spécial des Perturbations Radio-électriques in French) which developed CISPR22. Also important is to understand what international organizations are involved in the standardization of EMC (Electromagnetic Compatibility). For this purpose this paper introduces an overview of international standardization organizations relating to EMC.

2. EMC related organizations in IEC

IEC（International Electrotechnical Commission） is an international standardization organization in charge of the development of electric and electronic standards. Figure 1 indicates major committees involved in the development of EMC related standards in IEC. Technical Committee 77 (TC77) and CISPR are in charge of the development of basic standards and common standards on EMC respectively.

On the other hand there are technical committees in charge of products standards associated with EMC. They include TC9 (Electrical equipment and systems for railways), TC13 (Electrical energy measurement and control), TC22 (Power electronic systems and equipment), TC62 (Electrical equipment in medical practice), TC65 (Industrial-process measurement, control and automation), TC69 (Electric road vehicles and electric industrial trucks) and others.

On the issues of the electro-magnetic exposure to human bodies there exists TC106 (Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure). Also to be noted is ACEC (Advisory Committee on Electromagnetic Compatibility) organized under IEC/SMB (Standardization Management Board) which coordinates between coverage of TC77 and that of CISPR and with product oriented TCs.

Recently SyC (Systems Committees) have been established anew. An example is SyC Smart Energy established in June 2014 to coordinate management of energies not only of smart grid for electric power but also other energy sources.

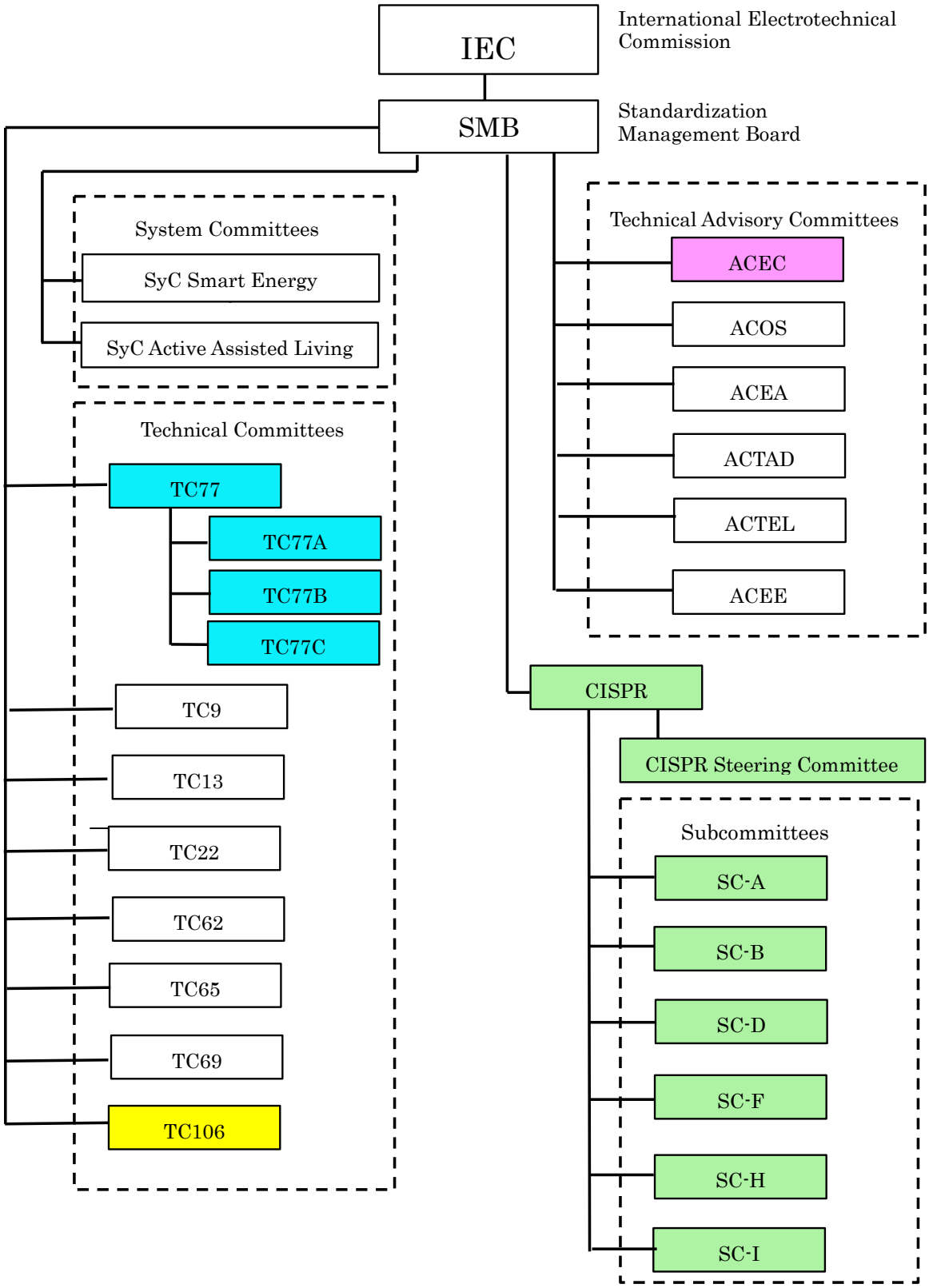


Figure 1 EMC related organizations in IEC as of April 2015
(Committee names in full are given in the pages to follow)

TC77	Electromagnetic compatibility
SC77A	Low frequency phenomena
SC77B	High frequency phenomena
SC77C	High power transient phenomena
TC9	Electrical equipment and systems for railways
TC13	Electrical energy measurement and control
TC22	Power electronic systems and equipment
TC62	Electrical equipment in medical practice
TC65	Industrial-process measurement, control and automation
TC69	Electric road vehicles and electric industrial trucks
TC106	Methods for the assessment of electric, magnetic and electromagnetic fields associated with human exposure
ACEC	Advisory Committee on Electromagnetic Compatibility
ACOS	Advisory Committee on Safety
ACEA	Advisory Committee on Environmental Aspects
ACTAD	Advisory Committee on Electricity Transmission and Distribution
ACTEL	Advisory Committee on Telecommunication
ACEE	Advisory Committee on Energy Efficiency
CISPR	International special committee on radio interference
SC-A (CIS/A)	Radio-interference measurements and statistical methods
SC-B (CIS/B)	Interference relating to industrial, scientific and medical radio-frequency apparatus, to other (heavy) industrial equipment, to overhead power lines, to high voltage equipment and to electric traction
SC-D (CIS/D)	Electromagnetic disturbances related to electric/electronic equipment on vehicles and internal combustion engine powered devices
SC-F (CIS/F)	Interference relating to household appliances tools, lighting equipment and similar apparatus
SC-H (CIS/H)	Limits for the protection of radio services
SC-I (CIS/I)	Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers

3. EMC related international standardization organizations other than in IEC

ISO (International Organization for Standardization) and ITU-T (Telecommunication Standardization Sector of International Telecommunication Union) are also developing EMC related standards. ISO/TC22 Road vehicles have EMC standards against vehicles running on the road. They have various standards on disturbance incremental method. On the ITU side Study Group 5 (Environment and climate change) of ITU-T is also responsible for EMC related standards.

References:

(Omitted as they are all Japanese documents)

Masamitsu Tokuda

1967 Graduated from Electronics Engineering Department of Hokkaido University
1969 Joined NTT, assigned to the Electrical Communications Laboratories
1987 Leader of EMC study group
1996 Professor of Electric Engineering Department , Kyushu Institute of Technology
2001 Professor of Electronic communication department, Musashi Engineering University
2010 Professor emeritus of Tokyo City University,
Visiting co-researcher of the department of new region creation science of the graduate school of Tokyo University

Major prize received

1986 Merit award – IEICE (on the design theory and evaluation method for optical fiber cables)
1997 Information communication merit award by MPT (on EMC technology development)
2003 Industrial standard merit award by the minister of METI
2004 IEICE fellow
2007 Promoted to IEEE fellow

Report on VCCI International Forum 2015

By International Relations Subcommittee

VCCI International Forum 2015 (under the patronage of METI and MIC) was held at the United Nations University in Jingumae, Shibuya-ku, Tokyo on March 6, 2015. It was coordinated by the International Relations Subcommittee of VCCI to update VCCI members on EMC regulations and Standards in the world in a timely manner as in the previous year. The focus of this year was on the update on CISPR32 and regulatory situations in the US and Europe.

Topics

- Update on the deliberation on CISPR32 in IEC
- ANSI C63.4:2014 recently released and direction in FCC
- The situation in Europe after the promulgation of EMC Directives/Radio Equipment Directives

The fact that the Q & A session was very animated with a lot of questions asked real time on the day and beforehand indicated the Forum this year went very satisfactorily as devised.

The number of the participants was 153 including overseas VCCI members engaged in manufacturing and testing/accreditation laboratories. The day's program was as follows.

VCCI International Forum 2015 Program

Time	Minutes	Item
10:30 - 10:35	**5 min**	**Opening remarks** **Mr. Shozo Satake, Director, VCCI Council**
Session #1 : Country Presentation		
10:35 - 11:45	**70 min**	**"CISPR32, a future proof and generic multimedia emission standard"** **Mr. Ronald Storrs** **Convenor of CISPR/I/WG2**
11:45 - 12:45	**60 min**	**Lunch**
12:45 - 13:55	**70 min**	**"ANSI C63.4 Testing unintentional emitters"** **Mr. Donald Heirman** **Chair of ANSI C63.4 WG, CISPR and ACEC**
13:55 - 15:05	**70 min**	**"New EU Directives for Telecom & IT Equipment"** **Mr. Jan Coenraads** **Secretary of R&TTECA and EUANB**
15:05 - 15:30	**25 min**	**Coffee break**
Session #2 : Q&A		
15:30 - 16:30	**60 min**	**Q&A Hosted by Mr. Yukio Uchida (Chairman of VCCI IRSC)**
16:30 - 16:40	**10 min**	**Appreciation to the guests and wrap up**

What follows is predominant Qs & As. Note that they include answers provided by the speakers after the forum to questions asked by VCCI members in writing at the registration time (marked with *). It should be noted that Qs & As are of generic cases, so it is necessary to validate on specific or real cases.

■ Questions asked to Mr. Ronald Storrs who presented the recent deliberation status on CISPR32 included those about wireless battery charge, the equivalence of testing done with multiple testing schemes and others

Q1: There are different methods of wireless charging available. Will they be regulated sweepingly or method by method?

A1: Details have not been discussed yet. The problem is being discussed partially in SC-B on the simple wireless charging without wireless communications (below 150kHz).

Q2: About conformity

(1) Do you consider it is acceptable that products with different levels of clearance of EMI testing are released in the market?

(2) Don't you consider that the purpose of standardization is to set one limit to one testing method?

(3) Do not you have any problem with the case in which different results are obtained from the same standards? I am for the opinion that says different testing method can be accepted as long as equivalent results are obtained. Basically the same level of testing should be performed with the same physical amount.

A2: About (1): It is condidered the results will not necessarily be the same in measurement in semiaechoic chamber and full aechoic chamber, but we have made efforts to obtain the same result with measurement in either chamber with CISPR32.

About (2): I am of the opinion that one limit should be associated with one testing method.

About (3): I am of the opinion that it is okay if testing passed any one of available methods.

■ Many concrete questions were addressed to Mr. Donald Heirman who talked about ANSI C63.4:2014 recently released and the direction in FCC.

Q3: Roughly when will the transient to ANSI C63.4:2014 start?

A3: It is expected in around the summer of 2015.

Q4*: Please explain what were changed in ANSI C63.4-2014 and its impact.

A4: I explained major changes which are considered to give big impacts to testing laboratories. Comprehensive list on changes are found in pages v and vi of the forward of the new standard.

Q5: The site validation method above 1GHz of the 2014 edition specifies the use of the "same antenna" while it has been "same type of antenna" in CISPR16. Is it because discussion within FCC slaned toward sever side?

A5: Discussions in FCC reached to that conclusion. Namely, the very antenna used in the site shall be used.

Q6: If absorbers are placed on the floor, is site visual test (S-VSWR) not necessary?

A6: As indicated in Fig. 6 of ANSI C63.4-2014 the use of floor-placed absorbers are allowed without validation above 1GHz as shown in Fig. 6.

Q7*: Is antenna tilting required in measurement of radiated EMI in GHz band by each of 2003, 2009 and 2014 version of ANSI C 63.4?

A7: Yes.

Q8*: What are valid period of each version of ANSI standards in the previous question?

A8: All versions will be kept valid.

Please refer to http://odysseus.ieee.org/query.html

It is up to the responsible overseeing machinary to decide which version to apply.

Q9*: I understand that FCC released a guideline last year for testing laboratories that says they apply 2009 version to the next renewal inspection and on. If antenna tilting is required for the measurement in GHz band in renewal inspections with the 2009 version I want know in detail how tilting should be implemented.

A9: Antenna tilting (now it is called "aiming") is specified in all versions of C63.4 2003 and after. It means that the antenna stays within "radiation cone." The following URL gives the FCC notice on this requirement. https://apps.fcc.gov/oetcf/kdb/forms/FTSSearchResultPage.cfm?switch=P&id=29995

Q10*: Slide 44 says "It should be noted that the latest version of C63.4 is applied to ICES-003 requirement of Industry Canada (Canadian Industry Ministry)." Will there be one year grace period granted after the effectuation like in the case of FCC?"

A10: Industry Canada is asking for comment on this matter in Canada. Usually Industry Canada follows FCC actions on requirement release. Today the use of C63.4 2003 version or 2009 version is allowed in the US, but starting in late summer of 2016 only 2014 version will be allowed there. In Canadian ICES-003 the use of either of the newest version of C63.4 or 2003 version will be allowed for a while. Also CISPR22 route is available in ICES-003.

Q11*: There was an explanation going with Slide 17 that ANSI C 63.5, when officially issued, will be given precedence over Annex N of 63.4. When will C 63.5 be issued?

A11: The revised C63.5 will probably not be issued within this year as a lot of comments were drawn at the initial voting. Frankly I firmly believe that hybrid antenna will probably be accepted for long time in the future or even forever in Annex N of C63.4-2014.

■ Questions addressed Mr. Jan Coenraads who presented update on EMC directives/RE directives in Europe included those about the procedure with which to follow the new directive and how to follow the RE directive in treating optional wireless features.

Q12*: As there is no grace period set for the new EMC・LV directives we are afraid we will face with difficulties in the release of products. Is not there any movement in the European Commission to introduce the grace period?

A12: There wiil be no grace period for the new EMC・LV directives and we cannot expect the European Commission will change it. This is because the implementation in 2016 was announced in April 2014, so there is enough time for concerned parties to get ready with the new rules. The market surveillance authority will not accept the excuse that offenders do not meet the new EMC directives and LV directives. Problem is

not technical but managerial because there is no technical change in the new EMC directives and LV directives.

Q13*: Please teach me in detail the registration method for wireless communication equipment.

A13: A sure way is as follows (starting on June 12, 2018)

- It is applicable only to wireless communication equipment admitted as registerable (due to the low pass rate in the past)
- Registration needs the submission of elements of technical documents
- The commission must clarify the operational rules for subjected wireless communication equipment, elements of technical document to be submitted and the rules to indicate registration number on the wireless communication equipment
- Registration number is allocated to each wireless communication equipment which must be labeled type by type
- Manufactures must use the central system for registration prepared by the commission. Such system shall be under proper security control to protect confidential information

Q14*: I assume that a working group on the New EU Guide has been established. I wonder what contents will be covered in the guide. Also please tell me about the schedule for the release of a draft and the final version of each directive.

A14: Currently only working group on the RE Directives was kicked off. The second meeting is to be held in April. If the RE Directives is partially unclear many problematic points will be revisited. Its purpose is to complete the final version approved before June 2016. The guide includes a long list of subjected items which will be equivalent to the guide on the R&TTE Directives. If you want to know much more at an earlier stage you are recommended to get the membership of R&TTECA which will qualify you as a participant in the project.

Q15*: It is required to indicate the street address of manufactures. Question is how detail it should be, down to block number or even house number? Simple “Tokyo, Japan” is acceptable? Normal street address is easily obtainable at the website by the name of the manufacturer.

A15: Article 10 of the RE Directive clearly calls for the postal mail address. ”Tokyo, Japan” will not get a letter to reach the destination. Also item 28 of the preface of the RE Directive recommends the inclusion of URL of the manufacturer’s website, which you can verify for yourself.

Q16*: It is required to indicate street address of the manufacturer and importer on the equipment. Isn’t it enough to indicate the address only of the certification agent in the EU?

A16: It is not acceptable as clearly stipulated in articles 10.7 and 12.3 of the RE Directives, which calls for both the street addresses of manufacturer and importer.

Q17*: Please tell us about the direction on the E-conformity project. One question I have is about electronic labelling scheme. With this scheme implemented the indication of the mark on the equipment itself and instruction manual would no longer be required. Am I correct?

A17: The indication of the CE mark, the number of the notified body and street address etc. cannot be omitted on

the product itself as the Directives stipulates. The EC is engaged in E-compliance project addressing E-label convention, but it will take more time to realize it. Analysis of comments gathered on this issue will be done in early 2015, which will kick the study of the scheme toward the realization.

Q18: I have equipment without standard wireless communication feature but it is capable of accommodating optional wireless communication feature. Now my question is, is the body of the equipment subjected to the RE Directives?

A18: If you sell the product with wireless feature option included then it is subject to RE Directives. In terms of standpoint of conformity assessment I believe you better assess the conformity with the RE Directives of the product with the option included.

Q19: If the customer includes the feature as an option, will it become the subject to RE Directives?

A19: If there is a possibility that the customer will add the feature later the choice of RE Directives is on the safer side, although it is not written in the Directives.

Q20: In what situation or under what condition equipment with LAN interface (metal wiring such as CAT6) is regarded as a terminal of public network?

A20: It is up to the network agencies of the country to decide.

Q21: How R&TTE Directives determine the demarcation point between the public network and LAN?

A21: The portion the line coming into a house is regarded as public network. Within the house it is EMCD&LVD. Terminating point is a key.

Q22*: How long will the grace period be secured in transient to EN55035 in the requirement for EMC conformity on ITE in EU. I am anxious to know it as our product development will be largely impacted by it. I hope the regulation will reflect the real situation we are in.

A22: It is not clear yet. Generally speaking if a requirement is sanctioned as an EN standard by CENELEC a grace period is set (about 2 year or a bit longer). Then the standard will be reviewed by EC for publication in the EU gazette. By the time the EU gazette is publicized the matter had progressed ahead eating up the grace period, so transient time may become a bit shorter, but it will still be almost 2 years.

Q23: What is the situation with the market surveillance and what kind of NG examples you have?

A23: There are two schemes of market surveillance as follows.

- Sampling purchase in the market
  Example: DFS function of 5GHz wireless communication generating many claims → bought up samples in the market and checked
- Do campaign in collaboration with member countries → disclose the failure in the test in the EU web site
  Example: RPAS (Remotely Piloted Aircraft Systems)

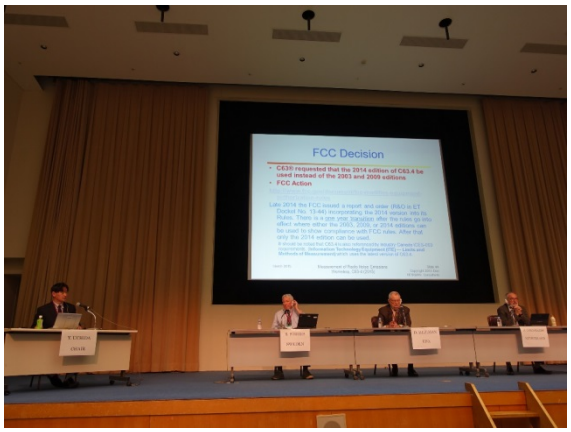
The next VCCI International Forum is planned in November this year as a part of memorial events for the 30th anniversary of VCCI.

Mr. Satake, Senior Managing Director, VCCI

Mr. Ronald Storrs

Mr. Donald Heirman

Mr. Jan Coenraads



A scene of Q & A

Status on FY2014 Market Sampling Test Operations

Market Sampling Test Subcommittee

As of April 30, 2015

Planned number of market sampling tests	Loan-based	50	110
	Purchase-based	60	

Sampling test Grand total	Selected	Cancelled (unrealized shipment, etc)	Owner's consent pending	Testable samples	Test completed	Judgment awaited	Judgment			
							Passed	Failed - tentative		
								Finally passed	Finally failed	Pending
Grand total	120	10	0	110	109	0	103	4	0	2
Previous month grand total	118	8	0	110	106	5	96	2	0	3
Loan-based testing total	59	9	0	50	49	0	46	3	0	0
1st Quarter	14	3	0	11	11	0	10	1	0	0
2nd Quarter	26	4	0	22	22	0	20	2	0	0
3rd Quarter	17	1	0	16	16	0	16	0	0	0
4th Quarter	2	1	0	1	0	0	0	0	0	0
Purchase-based testing total	61	1	0	60	60	0	57	1	0	2
1st Quarter	20	0	0	20	20	0	20	0	0	0
2nd Quarter	24	1	0	23	23	0	21	1	0	1
3rd Quarter	16	0	0	16	16	0	15	0	0	1
4th Quarter	1	0	0	1	1	0	1	0	0	0

Final Result

Passed	Failed	Pending
107	0	2

* One sample in Loan-based testing was realloted to document inspection.

Document inspection	Selected	Cancelled (withdrawal, etc)	Owner's consent pending	Inspectable samples	Inspection Completed	Judgment awaited	Judgment	
							Cleared	Problems identified
	41	1	0	40	40	0	38	2

Report from the Secretariat

● List of Members (February 2015 ～ April 2015)

New Members

Membership	Member No.	Company Name	Country
Regular	3631	Aldebaran Robotics	FRANCE
Regular	3630	Canon Korea Business Solutions Inc.	KOREA
Regular	3634	CognitiveTPG, LLC.	USA
Supporting	3636	F Squared Engineering Corp dba F2 Labs	USA
Regular	3629	Hisense International Co., Ltd	CHINA
Regular	3625	HUMAX Co., Ltd.	KOREA
Regular	3639	Matterport, Inc.	USA
Regular	3632	Milestone Systems Inc.	USA
Regular	3628	Plat' Home Co., Ltd.	JAPAN
Regular	3635	Plexxi, Inc.	USA
Regular	3621	Powa Technologies Group PLC	U.K.
Regular	3623	Quanta Cloud Technology Inc.	CHINESE TAIPEI
Regular	3627	Sanmina Corp	USA
Supporting	3641	Shenzhen TCT Testing Technology Co., Ltd.	CHINA
Regular	3626	Tobii Technology AB	SWEDEN
Regular	3633	UPS Solutions Co., Ltd.	JAPAN

Change of Company Name

Membership	Member No.	Company Name	Country	Former Company Name
Supporting	2213	Bureau Veritas Consumer Products Services	GERMANY	Bureau Veritas Consumer Product Services
Supporting	3177	Centre Testing International (Shenzhen) Corporation	CHINA	Centre Testing International (Shenzhen) Limited
Regular	3486	CONTEC DTx INC.	USA	DTx, Inc.
Regular	3632	Milestone Systems Inc.	USA	Milestone Systems A/S
Regular	3489	Orbotix, Inc. dba Sphero	USA	Orbotix, Inc.
Regular	3043	SANDEN ADVANCED TECHNOLOGY Corporation	JAPAN	SANDEN CORPORATION
Regular	3137	TDK Corporation	JAPAN	TDK-EPC Corporation
Regular	2309	Trend Micro Incorporated	JAPAN	Trend Micro Incorporated
Supporting	424	UL Japan, Inc.	JAPAN	UL Kashima, Inc.
Supporting	1062	York EMC Services, Grangemouth	U.K.	York EMC Services, EMC Test Centre

Request : In case of any change in your company name, please kindly advise VCCI.
Use the “Notice of Change” at VCCI Website.

Withdrawal Members

Membership	Member No.	Company Name	Country
Regular	3564	Extricom Ltd.	ISRAEL
Regular	3601	Hanshin Information Technology Co., Ltd.	KOREA
Regular	476	Interphase Corporation	USA
Regular	1633	LaCie S.A.	FRANCE
Regular	714	LenovoEMC, Ltd.	USA
Regular	3505	Moimstone Co., Ltd.	KOREA
Regular	2251	Olympus Technologies Singapore Pte Ltd	SINGAPORE
Regular	3297	Propellerhead Software AB	SWEDEN
Regular	2716	Psi Laser GmbH	GERMANY
Regular	3496	Savant Systems LLC	USA
Regular	2409	Vocollect, Inc.	USA
Supporting	3456	Wipro Technologies	INDIA
Regular	761	WYSE TECHNOLOGY	USA
Regular	3549	XNsystems	KOREA
Supporting	2763	Astronaut CO., LTD.	JAPAN
Supporting	1034	NK Works Co., Ltd.	JAPAN
Regular	2322	OLYMPUS IMAGING CORP.	JAPAN
Regular	2211	CONNECT CO., LTD.	JAPAN
Regular	1959	Sumitomo Eletric Networks, Inc.	JAPAN
Regular	3006	SOFTBANK BB Corp	JAPAN
Regular	7	Toyo Networks & Systems Integration Co., Ltd.	JAPAN
Regular	372	FUJI DENSHI KOGYO CO., LTD.	JAPAN
Regular	99	MITSUBISHI CABLE INDUSTRIES, LTD.	JAPAN
Regular	3347	Renesas Solutions Corp.	JAPAN

● VCCI Events Calendar

FY2015

April ・VCCI Basic Course for Measurement Engineers	**May** ・VCCI Course for Measurement Engineers ・Exhibition at TECHNO FRONTIER	**June** ・VCCI Cource Telecommunication Ports Conducted EMI Measurement ・VCCI Business Reporting Meeting ・Release VCCI Dayori No.117
July ・VCCI Course of Rules for Voluntary Control Measures (tentative) ・VCCI Course on Radiated EMI Measurement Above 1GHz ・Release Annual Report	**August**	**September** ・VCCI Basic Course for Measurement Engineers ・VCCI Course for Measurement Engineers ・Release VCCI Dayori No.118
October ・VCCI Course for Measurement Engineers ・VCCI Cource on Antenna Calibration and NSA Measurement	**November** ・VCCI Course on Radiated EMI Measurement Above 1GHz	**December** ・VCCI Course of Rules for Voluntary Control Measures (tentative) ・Release VCCI Dayori No.119
January ・VCCI Rules Explanatory Meeting Combined with Technical Symposium	**February**	**March** ・Release VCCI Dayori No.120

● State of Conformance Report Submitted

February 2014 ～ April 2015

Classification	Corresponding Month / Class	February 2014 A	February 2014 B	February 2014 Total	March 2014 A	March 2014 B	March 2014 Total	April 2015 A	April 2015 B	April 2015 Total
Mainframe Computer (Super Computer, Server, etc)		29	3	32	37	0	37	37	1	38
Personal Computer	Desk-top type, etc.	0	11	11	0	8	8	0	3	3
	Note type, etc.	1	23	24	0	36	36	0	21	21
	Palm top type, etc.	0	0	0	0	2	2	0	1	1
Office Computer, Mini-Computer, Workstation, etc.		4	1	5	5	2	7	6	5	11
Peripherals/Terminals Equipment	Auxiliary Memory (Storage Device)	10	15	25	12	23	35	11	31	42
	Printer	3	10	13	4	13	17	2	15	17
	Display (LCD, CRT Display, etc.)	2	46	48	10	44	54	1	48	49
	Input/Output Device (excluding Auxiliary Memory, Printer, and Display)	5	8	13	2	30	32	5	18	23
	General Purpose Terminal (Display, Typewriter Terminal, etc.)	0	0	0	0	0	0	0	1	1
	Exclusive Terminal (POS, Terminal for Medical, Financial, and Insurance use, etc.)	8	5	13	11	4	15	9	2	11
	Others Peripherals	9	16	25	11	24	35	5	21	26
Copying Machine		0	0	0	4	2	6	1	2	3
Communications Equipment	Telephone Equipment (Fax, PBX, Telephone, Key Telephone System, etc.)	1	1	2	6	2	8	2	3	5
	Network Channel Terminating Equipment (Modem, Digital Transmission Equipment, DSU, Terminal Adapter, etc.)	2	2	4	4	8	12	0	2	2
	LAN Equipment (HUB, Repeater, Switching-node, Rooter, etc.)	39	30	69	41	19	60	52	15	67
	Other Communications Equipment (Switching Equipment in a Telecom Center, etc.)	17	4	21	21	7	28	12	7	19
Others (Digital-camera, Navigator, toy, MP3 Player, etc.)		16	23	39	17	38	55	8	14	22
Total		146	198	344	185	262	447	151	210	361

● State of Conformance Report Submitted for FY2014

Classification \ Corresponding Month / Class		2014 (fiscal year)		
		A	B	Total
Mainframe Computer (Super Computer, Server, etc)		337	16	353
Personal Computer	Desk-top type, etc	8	209	217
	Note type, etc	5	362	367
	Palm top type, etc	0	26	26
Office Computer, Mini-Computer, Workstation, etc		52	42	94
Peripherals/Terminals Equipment	Auxiliary Memory (Storage Device)	175	308	483
	Printer	53	102	155
	Display (LCD, CRT Display, etc.)	72	537	609
	Input/Output Device (excluding Auxiliary Memory, Printer, and Display)	60	304	364
	General Purpose Terminal (Display, Typewriter Terminal, etc.)	1	16	17
	Exclusive Terminal (POS, Terminal for Medical, Financial, and Insurance use, etc.)	159	42	201
	Others Peripherals	176	331	507
Copying Machine		19	8	27
Communications Equipment	Telephone Equipment (Fax, PBX, Telephone, Key Telephone System, etc)	28	30	58
	Network Channel Terminating Equipment (Modem, Digital Transmission Equipment, DSU, Terminal Adapter, etc)	32	49	81
	LAN Equipment (HUB, Repeater, Switching-node, Rooter, etc)	515	228	743
	Other Communications Equipment (Switching Equipment in a Telecom Center, etc)	261	63	324
Others (Digital-camera, Navigator, toy, MP3 Player, etc)		129	338	467
Total		2082	3011	5093

● State of Registration of Measurement Facilities (Newly registered or renewed)

The following table indicates the status on registration of measuring facilities in the most recent three months.

Facilities listed here are only those made open by registering members in principle. Members with those facilities whose valid period expired are kindly advised to contact VCCI to inform of the status they are in. Status to choose from are, renewal application being filed, new application being filed, waiting for the next issue to carry, or terminating the registration (all facilities are posted in the Web site).

Facilities in Japan are listed in Japanese.

List of newly registered or renewed facilities (February 2015 – April 2015)

R: Field strength measuring facility C: Mains Port Conducted interference measuring facility T: Communication Port Conducted interference measuring facility G: Radiated EMI measurement facilities above 1GHz

No	会社名	設備名	3 m	10 m	30 m	暗 3m	暗 10m	登録番号	有効期限	設備所在地	問い合わせ先 TEL
11009	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.	EMI SHIELDING ROOM	-	-	-	-	-	T-2221	2017/11/16	NO.588 West Jindu Road, Songjiang District, Shanghai, China	86-21-61915654
11010	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.	Full-anechoic Chamber	-	-	-	-	-	G-830	2017/11/16	NO.588 West Jindu Road, Songjiang District, Shanghai, China	86-21-61915654
11069	World Standardization Certification & Testing (Shenzhen) CO., LTD.	966 Chamber	-	-	-	-	-	G-837	2018/2/22	Building A, Baoshi Road, Baoshi Science & Technology Park, Bao'an District, Shenzhen, Guangdong, China	86-755-26996143-8141
11071	The First Research Institute of Telecom. Tech. TFTX Laboratory	The First Research Institute of Telecom. Tech. TFTX Laboratory	-	-	-	-	-	C-4700	2018/2/22	Pingjiang Road No.8, Shanghai, China	86-13671966320
11072	The First Research Institute of Telecom. Tech. TFTX Laboratory	The First Research Institute of Telecom. Tech. TFTX Laboratory	-	-	-	-	-	T-2236	2018/2/22	Pingjiang Road No.8, Shanghai, China	86-13671966320
11074	日本精機株式会社	3m 法電波暗室 No.2	-	-	-	○	-	R-4220	2018/2/22	新潟県長岡市東蔵王 2-2-34	0258-21-2158
11075	日本精機株式会社	3m 法電波暗室 No.2	-	-	-	-	-	G-839	2018/2/22	新潟県長岡市東蔵王 2-2-34	0258-21-2158
11090	一般財団法人日本自動車研究所	生活支援ロボット安全検証センター EMC 試験関連エリア　電波暗室	-	-	-	○	○	R-4225	2018/2/22	茨城県つくば市学園南 2 丁目 8 番地 5	029-856-1130
11091	一般財団法人日本自動車研究所	生活支援ロボット安全検証センター EMC 試験関連エリア　電波暗室	-	-	-	-	-	C-4707	2018/2/22	茨城県つくば市学園南 2 丁目 8 番地 5	029-856-1130
11092	一般財団法人日本自動車研究所	生活支援ロボット安全検証センター EMC 試験関連エリア　電波暗室	-	-	-	-	-	G-840	2018/2/22	茨城県つくば市学園南 2 丁目 8 番地 5	029-856-1130
11101	SP Technical Research Institute of Sweden	SP Denmark A/S-R	-	-	-	○	-	R-4229	2018/2/22	A.C.Meyervaenge 15, Copenhagen SV, Denmark	45-27833428
11102	SP Technical Research Institute of Sweden	SP Denmark A/S-C	-	-	-	-	-	C-4711	2018/2/22	A.C.Meyervaenge 15, Copenhagen SV, Denmark	45-27833428
11103	SP Technical Research Institute of Sweden	SP Denmark A/S-T	-	-	-	-	-	T-2242	2018/2/22	A.C.Meyervaenge 15, Copenhagen SV, Denmark	45-27833428

Before putting down a pen

Now it is time for a new life in the yearly cycle.

Our son is to start a new life away from home as a university student from this April.

Preparation for his student life includes finding an apartment house, lease contract with the apartment, moving, securing basic services including electricity, gas and water, purchasing of necessary furniture, home appliances and daily supplies to name a few for his student life away from home.

When I was in the similar situation I did not feel such preparation was a burden from the expectation for a new life to begin, but it is a different story from a view point of the parent on this and that including the special expenses to pay.

But for him it will be the first opportunity to live alone.

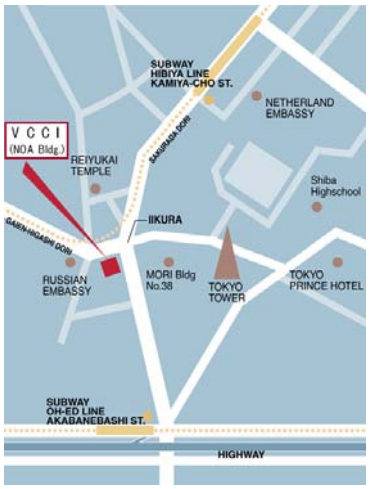
Nothing can replace that freedom especially for people to work as a salaried man upon the graduation. In looking back on my own student life I have a lot of things to regret, but it was a part of my life. I wish my son would lead a student life mingling with a lot of people with different senses of value while studying hard and doing part time jobs to the best of his ability without fear of possible failures (in the degree permissible to his age and experiences). The bottom line is, I wish him to experience things to form his backbone for the rest of his life.

Reflecting on myself, what did I do in my university days?

Now I remember. The first thing I wanted to do (or I had planned to do) was to buy a motorbike after obtaining a license to drive its class of vehicle. Without losing time I started commuting to nearby drivers' school. I passed the test quickly by taking advantage of hints given by my friend who was crazy about motorbike. As soon as I got the license I bought a bike on loan at a nearby bike shop. I started part-time job to pay the loan. My area of activities and a circle of friends were greatly enlarged in such an environment.

While my bike was with a decal of beginner attached I drove my bike with my friend on the backseat. Soon I was stopped by a motorcycle policeman who I was sure saw through the situation at the first glance. I was very much impressed with the agility of the white bike policeman. Anyway whenever I had free time I drove my bike around and cherished friends making and gained various experiences. It was a carefree single life with touring on the bike placed in the center.

Even today I yarn after such freedom, but I do not have a bike and do not have time to do touring either. Wait a minute. I may be able to spare time for touring! The rest is a bike and my physical strength to do touring on it. I was a father of low mental age daydreaming by forgetting the expenses for my son. (Y.H)



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VCCI Council

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