

English

VCCI ANNUAL REPORT

2014



VCCI Council
<http://www.vcci.jp/>



VCCI Council



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VCCI Council

The mission of VCCI is to contribute to the sound development of Japan's information society by establishing a scheme with which VCCI members voluntarily control electromagnetic emissions from information technology equipment such as computers, telecommunication equipment and electronic office products so that other electrical/electronic equipment including radios and televisions will not be disturbed by such emissions.

Specific activities to this mission are as follows:

Scope

- | | |
|---|--|
| <p>1 Formulate basic policies on voluntary control of electromagnetic disturbances emitted by information technology equipment</p> | <p>6 Hold measurement skills courses to prepare members' engineers for adequate conformity assessment</p> |
| <p>2 Coordinate the interest of member organizations and liaise with the government and related agencies</p> | <p>7 Study trends in overseas EMC regulations and seek opportunities for mutual recognition agreement</p> |
| <p>3 Receive and file Conformity verification report with the voluntary control standards and issue reception acknowledgement in return</p> | <p>8 Examine credentials of measurement laboratories and facilities based on the measurement facilities registration system</p> |
| <p>4 Carry out market surveillance (with sampling test commissioned to third party testing laboratories)</p> | <p>9 Do PR activities for general consumers and reach out to potential companies and associations for encouraging them to join VCCI</p> |
| <p>5 Regularly review the suitability of the Technical Requirements for necessary revisions by research and experiments and share the results with members</p> | <p>10 Administer other programs for effective operations of the voluntary control</p> |

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Greetings



President
Hidekazu Hasegawa

Dear Members,

There are some corporations which are making a big profit, beyond the one before the economic downturn precipitated by the Lehman Brothers bankruptcy, owing to the rise in shares thanks to the daring easy and maneuverable monetary policy of the second Abe administration. Nation-wide business confidence, however, leaves a bit more to be desired as evidenced by a goal of the Abe administration aiming at the creative development of local areas. For the furtherance of the economic prosperity it is considered necessary to steadily implement the growth strategy understood as the third economic arrow. An evidence of the success of such strategy implemented will be the boosted up inflation yielding new innovative products one after another out of doors of the VCCI members. We owe the steady continuation of our operations under such environment much to the support of related government agencies, associated organizations and members of VCCI, of which we are much appreciative.

We assure you that we are strictly administering measurement facility registrations and pre-shipment product conformity declaration filings for information technology equipment. Also we are conducting market sampling tests and monitoring the validity of marking on the products distributed in the market in order to make sure that reliability of our system is not compromised. A set of these schemes rigorously implemented by VCCI Council has now become a well-established de facto standard in Japan for controlling radio disturbance from ITE on a voluntary basis.

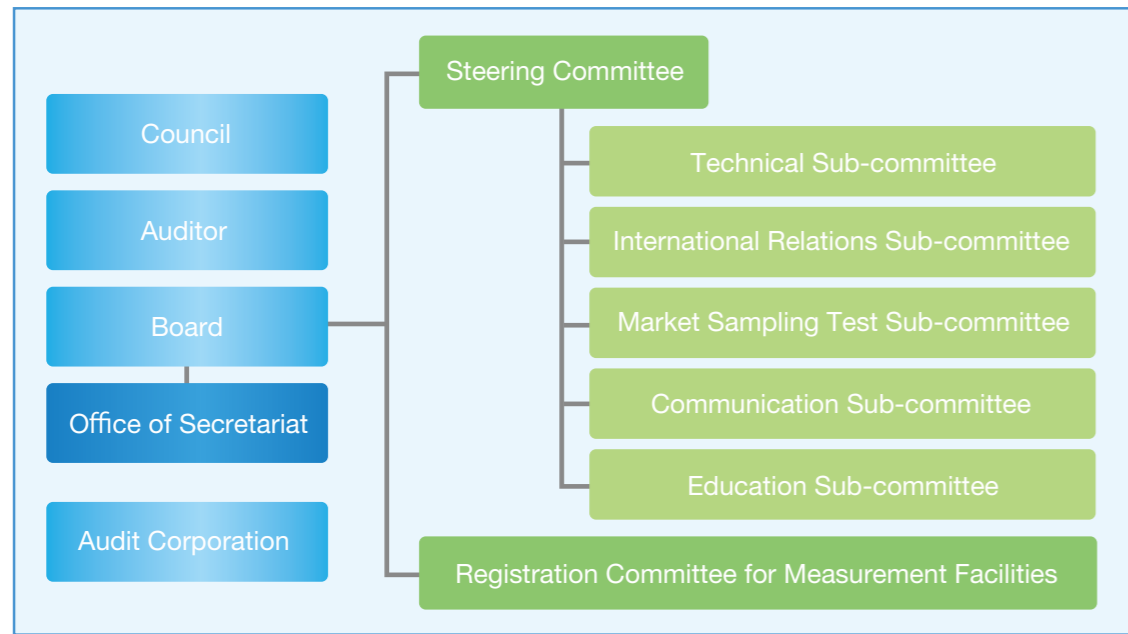
It is the reliability of the VCCI mark which has long sustained the existence of VCCI. The privilege of the VCCI mark display on a given ITE is won through a series of process starting out with measurement facility registration, conformity verification test and self-declaration of conformity by the member followed up with market sampling test by VCCI. It is our commitment to steadily continue this "de facto" standard of Japan for the betterment of radio environment in Japan.

What follows are new endeavors VCCI challenged or will challenge in FY2014. Firstly, VCCI moderated an organized session on the methods to reduce uncertainty of measurement in EMC'14/Tokyo which attracted many audiences for lively discussions. Secondly, VCCI is committed to change its emission control scheme to the one based on CISPR32 Ed.2 released in March 2015. In parallel with MIC's technical review of the standard as a new Japanese norm to be completed within this fiscal year, we, together with related industry associations, are working to find solutions to practical operational problems to be reflected in the VCCI technical requirements. Also we are working toward winning the position of the secretariat for the organization to develop the Harmonized Electrical Appliance and Safety Law in FY2015.

Regular activities of VCCI to help people develop their skills for electromagnetic disturbances control included technical report meetings, running education courses for measurement engineers, VCCI seminars for prefectural industry centers among others. In public relations area we positively took concrete actions to increase brand-name recognition of the VCCI mark. In the area of keeping track of world situation regarding emission control we convened the regular annual VCCI International Forum by inviting EMI control officials from overseas, had technical exchange meetings with Taiwan BSMI, US ITI, EU R&TTE and others. Also we positively ran the VCCI booth in various exhibitions collocated with conventions such as IEEE, EMC Europe and others to which VCCI contributed technical papers.

It is our intention to continuously carry out such activities as mentioned above which in the end will contribute to the betterment of electromagnetic environment in Japan.

Organization



Committees

Steering Committee

Oversees subcommittees' activities and endorses their resolutions, handles general managerial matters of VCCI and makes proposals to Board of Directors.



Chairman
Shinji Mine
NEC Platforms, Ltd.

Market Sampling Test Subcommittee

Check if conformity verification report filed to VCCI was created properly by way of measuring samples picked up at the shopfront in one of the designated test labs.



Chairman
Shin Kanno
NTT Advanced
Technology
Corporation

Measurement Facilities Registration Committee

Deliberates and authorizes qualification of members' EMI measurement sites and instruments for registration to VCCI based on the result of validation of them against the VCCI requirements. This is the foundation for product conformity verification report filed to VCCI by members.



Chairman
Hiroshi Inoue
The Open University of
Japan

Councilor

Chairman of Councilor

Eisuke Masada

Tokyo University, Railway Technical Research Institute

Councilor

Akira Ohya

Previous Japan Broadcasting Corporation

Councilor

Hirofumi Ono

Former Inspector, Previous Hitachi, Ltd.

Councilor

Ryuji Koga

Okayama University, EM Consulting, Ltd.

Councilor

Masamitsu Tokuda

Tokyo City University, Tokyo University

Councilor

Tetsuro Fukushima

Previous Japan Audit and Certification Organization for Environment and Quality

Councilor

Osamu Fujiwara

Nagoya Institute of Technology,
The University of Electro-Communications

Councilor

Eiji Yamada

Japan Electrical Safety & Environment Technology Laboratories

Director

President

Hidekazu Hasegawa

Japan Electronics and Information Technology Industries Association

Director

Kazuo Ohki

Communications and Information network Association of Japan

Director

Hideo Nakanishi

Japan Business Machine and Information System Industries Association

Director

Shozo Satake

VCCI Council

Inspector

Auditor

Satoshi Shibata

Previous Panasonic Corporation, Former Chairman of VCCI Steering Committee

Auditor

Hiroaki Hasegawa

DOCOMO Datacom, Inc.

Audit Corporation

Audit Corporation

ERNST & YOUNG ShinNihon LLC

Technical Subcommittee

Sets and maintains the VCCI Technical Requirements covering standardized EMI limits, measurement methods and product conformity assessment procedure which underpin the scheme of voluntary control of electromagnetic interference from ITE to conserve sustainable radio environment.



Chairman
Ryotaro Hoshi
Hitachi Information &
Telecommunication
Engineering, Ltd. EMC
Center

Communications Subcommittee

Carries out public relations activities including publication of VCCI Dayori (quarterly journal) and Annual Report both in Japanese and English, circulation of a variety of publicity brochures, administration of VCCI Website and participation in related trade shows with VCCI booth.



Chairman
Shinji Kuroda
Hitachi Information &
Telecommunication
Engineering, Ltd. EMC
Center

International Relations Subcommittee

Liaises with related organizations overseas to appropriately communicate VCCI activities to them and obtains information in return on EMC related standards and regulations in the world. Keeps abreast VCCI members of findings for their information.



Chairman
Yukio Uchida
Panasonic Corporation

Education Subcommittee

Educates and trains EMC managers and measurement engineers on VCCI rules and requirements as well as measurement techniques by organizing regular courses and technical seminars.



Chairman
Minoru Hirata
Hitachi, Ltd.

As of March 31, 2015

As of March 31, 2015

VCCI Activities

General Operations

The DC document on VHF-LISN proposed by VCCI based on the results of the International Round Robin Test is expected to be promoted to a CD in FY2015 as a result of deliberation in the October CISPR Frankfurt meeting. As to activities in academic societies, VCCI contributed three papers with presentations to EMC'14/Tokyo held in May and EMC Europe held in Sweden in September. Their papers were respectively about (1) the deviation in the measurement of disturbances due to differences in the height of AMN and its placement conditions, (2) the validity of the reproducibility of measurement using VHF-LISN, and (3) the influence of terminating impedance in the measurement of radiated EMI with CMAD applied to mains cable. As to interactions with overseas governments and related organizations, we met BSMI of the Chinese Taipei in April, May, June and February for information exchange and technical update. In April and June we met TAF to talk about mutual recognition arrangement. We had briefing meetings with ITI of the US in August and ECMA in September on VHF-LISN which VCCI is promoting as a candidate of a CISPR standard. In November we had information exchange meetings with EMC related organizations of overseas government and industry associations to cement relationship with them while we were in Europe to attend meetings of R&TTE CA/EU/ANB. In March 2015 we met Korean RRA for information exchange by taking advantage of our participation in the international forum held there as a presenter on the VCCI activities. Turning to the inside of Japan, we held a VCCI seminar as a program of the information communication month campaign of MIC in May. We continued the regular VCCI seminar circuit in prefectural industrial technology centers for three prefectures in this fiscal year - Fukui in April, Miyagi in November and Shizuoka in February.

The MOU on mutual recognition of test results realized by the letter exchange between Japan and the US on EMC testing laboratories has been working smoothly since April 1, 2007. In August we had status update meetings with NVLAP and A2LA which are the concerned parties in this arrangement. Cumulative number of laboratories registered under this arrangement is 83 in the US and 48 in Japan as of the end of FY2014.



VCCI Seminar held as a part of the program for the information communication month campaign

Abbreviations:
 VHF-LISN: Very High Frequency - line Impedance Stabilization Network
 DC: Document for Comments
 CD: Committee Draft
 AMN: Artificial Mains Network
 CMAD: Common Mode Absorbing Device
 BSMI: Bureau of Standards, Metrology & Inspection
 TAF: Taiwan Accreditation Foundation
 ITI: Information Technology Industry Council
 NVLAP: National Voluntary Laboratory Accreditation Program
 A2LA: American Association for Laboratory Accreditation
 R&TTE: Radio and Telecommunication Terminal Equipment
 EUANB: EU Association of Notified Bodies
 RRA: National Radio Research Agency

Standards Setting

(1) The following seven standing working groups under the Technical Subcommittee were engaged in their assigned projects.

- [a] CISPR Project WG
- [b] CISPR32 WG
- [c] Radiated EMI Measurement Method WG
- [d] Conducted EMI Measurement Method WG
- [e] VHF-LISN WG
- [f] Antenna Calibration WG
- [g] VCCI Rules Revision WG

(2) Major activities of each working group

- [a] CISPR Project WG
 Participated in associated domestic CISPR committees (A/H/I WGs under MPT) to reflect comments on proposed documents and gather information on CISPR deliberations. Participated in international meetings in the capacity of SC-I/WG2/WG4 expert. Presented "Deliberation status on CISPR16, CISPR22 and CISPR32/35 in CISPR/SC-A and SC-I" and "Deliberation status on VCCI proposed VHF-LISN in CISPR Frankfurt meeting" in the VCCI technical symposium.

[b] CISPR32 WG

Made efforts in the MIC committee to reflect VCCI requirements in the MIC draft on CISPR32. Moved forward the development of a new draft of VCCI technical requirements in a way to harmonize with the structure of the MIC draft.

[c] Radiated EMI Measurement Method WG

Concentrated efforts on the following two points proposed in CISPR32 WG. One is on "Evaluation of FAR and the layout of power cable in real arrangement" and the other is on "The validity of test volume allowable in the measurement in 3m distance." Shared information on the measurement method using FAR with JEITA and JBMIA in the 3-party joint meetings.

[d] Conducted EMI Measurement Method WG

Focused efforts mainly on the following two studies. One is "Difference in conducted EMI by the state of battery charge in a battery driven EUT" and the other is "Impact of the status of PoE ports to mains port conducted EMI."

[e] VHF-LISN WG

Developed a DC document on the specification of VHF-LISN device, which was reviewed and endorsed in CISPR Frankfurt meeting as well-founded.

[f] Antenna Calibration WG

Performed additional experiments on the comparison of measurement of radio strength by hybrid antenna and biconical / logperiodic antenna with radiation patterns, impedance and cross-polarization characteristics as parameters.

[g] VCCI Rules Revision WG

Worked on the revision of VCCI Rules to be enforced from April 1, 2015.

Technical requirements - Addition of calibration items for capacitive voltage probe and changes on grounding condition for fixed rotating EUT table.

Measurement facility registration - Calibration cycle for measurement apparatus made only of passive elements can be once in 2 years instead of once a year to harmonize with requirements of other accreditation laboratories in Japan and overseas.

Technical symposium - Explained revised items in the VCCI Technical Requirements for FY2015 and presented study/experiment results on various projects including conditions for the assessment of measurement facilities and others. Many VCCI members attended the symposium and engaged in Q and A sessions for their better understanding and possible reflections to the next revisions.

Abbreviations: FAR: Fully Anechoic Room
 PoE: Power over Ethernet



Presentation room for EMC Tokyo in May 2014



In front of the IEEE2015 site in August 2014



In front of the EMC Euro 2014 site in September 2014



VCCI rules explanatory meeting combined with technical symposium in January 2015

Technical Training Seminars

Trainees were awarded a diploma upon the completion of the following courses.

- (1) VCCI Course for Measurement Engineers
 Attended by 26 trainees in two sessions held in May and September.
- (2) VCCI Basic Course for Measurement Engineers
 "Basic Course" is designed to prepare entry level measurement

engineers for the above course. Two courses held in April and September were attended by 28 trainees in total.

- (3) Antenna Calibration/NSA Measurement Course
 Attended by 4 trainees in a session held in October.
- (4) Training Course on Telecommunication ports conducted EMI measurement
 Attended by 11 trainees in a session held in June.
- (5) Training Course on Radiated EMI measurement above 1GHz
 Attended by 12 trainees in two sessions held in June and November.

(6) Operation Course

This course was initiated in July 2014 with 30 trainees enrolled. The purpose is for trainees to have deeper understanding of concrete VCCI operations including conformity verification reporting and market sampling test among others.



Lecture scene

(7) Preparation for initiating "Automatic and manual measurement course"

Completed the preparation to start a new course as in the title line. The course is for trainees to master practical skills to perform automatic measurement of EMI and manual measurement of the same through hands-on training.

Market Surveillance

Carried out market sampling tests in accordance with the Rules for the Voluntary Control Measures. The number of samples selected was 110 out of personal computers, peripheral equipment and others. Of 110 sampled 104 were judged "passed" and 6 were judged "failed tentative" of which 1 was judged "passed" later.

Quarters	Tests on loaned samples				Tests on purchased samples				Total
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	
Passed	11	22	16	1	20	23	15	1	109
Failed	0	0	0	0	0	0	1	0	1
Total	11	22	16	1	20	23	16	1	110

We also performed document inspections on 40 cases. This is to scrutinize test reports filed with conformity verification reports. The result was 38 passed and 2 failed. The owners of failed reports were asked to do measurement again.

To secure the trustworthiness of the VCCI mark in the market we conducted fact-finding surveys on the display of the mark on products at shop front (on 1,571 products of 116 companies). 1 member company was advised to correct the illegitimate display.

International Activities

(1) International Forum

Convened a regular annual international forum under the auspices of MIC and METI on March 6, 2015 at the United Nation's University. Invited speakers were the convener of CISPR/I/WG2, the chair of ANSI C63.4 WG/ACEC and the secretary of R&TTE/EU/ANB. They respectively presented the deliberation status on CISPR32 Ed.2 attracting much attention of manufacturers and testing laboratories, the revised ANSI C63.4:2014 and update on circumstances in Europe after the promulgation of EMC/RE Directives. The number of the audience was approximately 160.

(2) Update of the table of ITE related standards in the world

Released FY2014 version of the table in the Web.



VCCI International Forum

Public Relations

- (1) Participated with the VCCI booth in the Techno Frontier 2014 held at the Tokyo Big Site for July 23 - 25, 2014
- (2) Participated with the VCCI booth in Computex Taipei 2014 held at the exhibition hall of Taipei World Trade Center for June 3 - 6, 2014
- (3) Posted two illuminated ad boards, one in JR Akihabara station and the other in JR Osaka station, to increase the public awareness of VCCI
- (4) Distributed 10,000 free notebooks (Zero-yen notebooks) bearing an ad of VCCI to 22 universities
- (5) Arranged for adhesive ad on the door windows of Subway Hibiya line
- (6) Gave away a calendar with a table of emission control standards
- (7) Commissioned "VCCI" recognition survey to the Nippon Keizai Shimbun and Nikkei Sangyo Shimbun newspapers (resulted in 1.4%)
- (8) Contributed an article on VCCI to "EMC featured" Nikkei Sangyo Shimbun and Nikkan Kogyo Shimbun newspapers
- (9) Ran an ad on the VCCI mark in Sankei Shimbun specially featuring EMC
- (10) Released Japanese and English versions of quarterly "VCCI Dayori" No.113 through 116
- (11) Issued the regular VCCI annual report in July
- (12) Circulated a questionnaire on public relations activities of VCCI among members of VCCI committees
- (13) Ran an ad on VCCI in magazines of IEICE, Shindenki and Monthly EMC



COMPUTEX TAIPEI



Zero-yen notebook

Measurement Facilities Registrations

(1) The number of registrations administered in FY2014

The number of registered facilities: 411 (inclusive of 313 renewals)

Category of measurement facility	Inventory
Radiated EMI	115
Mains port conducted EMI	123
Telecommunication port conducted EMI	98
Radiated EMI above 1GHz	75
Total	411
The number of laboratories registered (via Article 15 route)	90

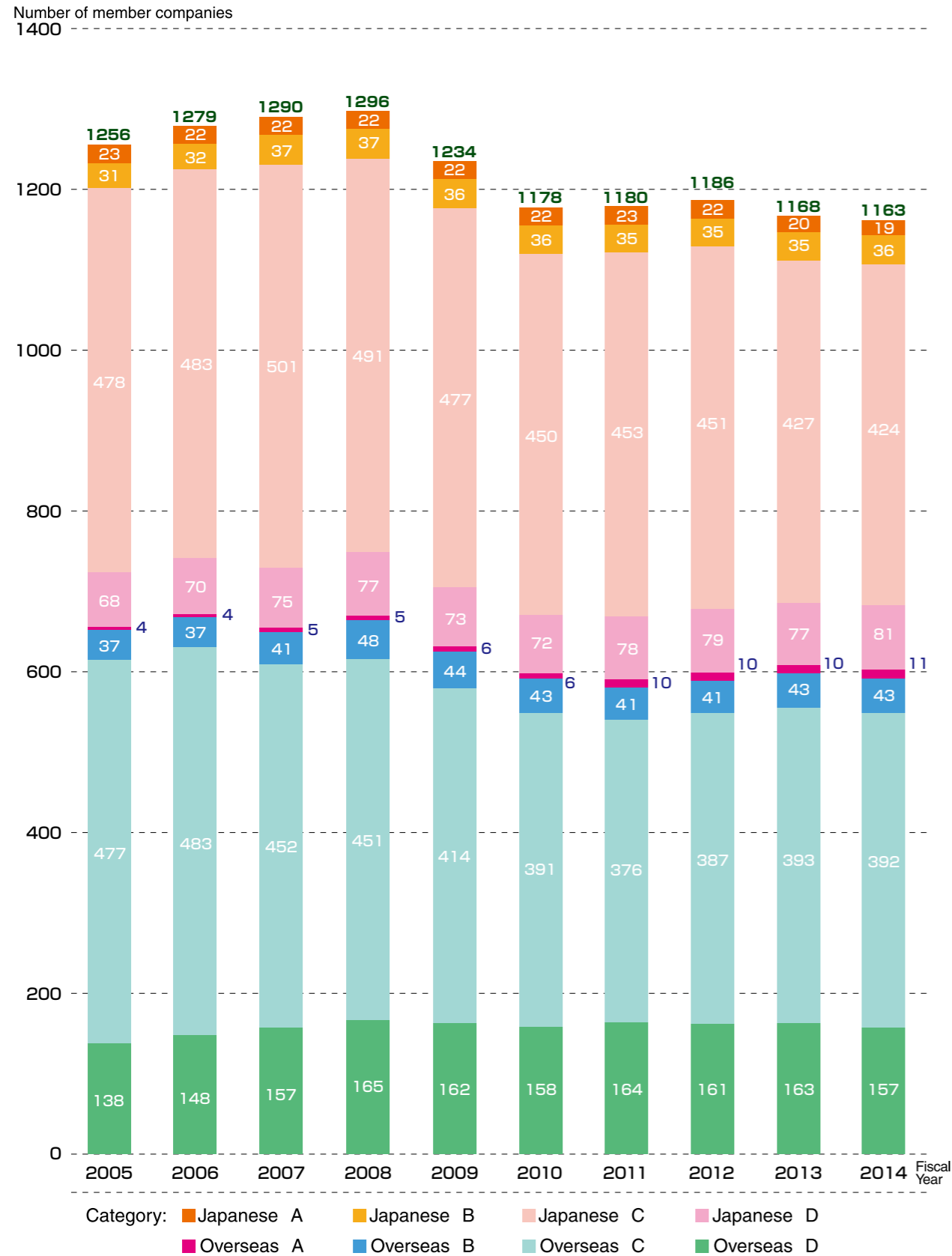
(2) Cumulative number of registrations as of March 31, 2015

The number of registered laboratories: 1,349

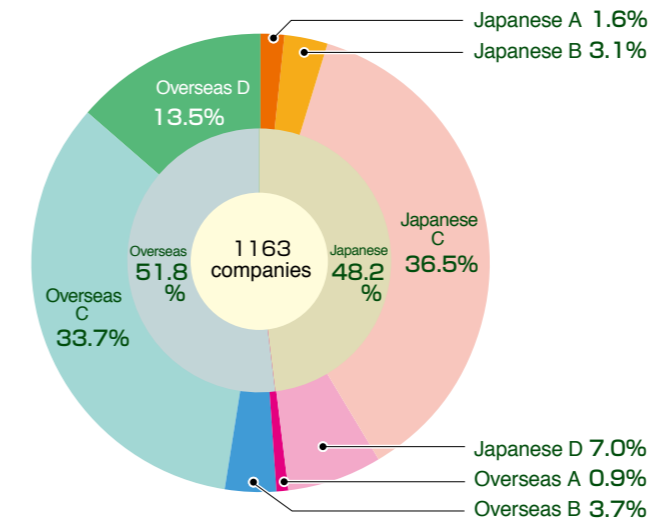
Category of measurement facility	Inventory
Radiated EMI	368
Mains port conducted EMI	391
Telecommunication port conducted EMI	304
Radiated EMI above 1GHz	286
Total	1,349
The number of laboratories registered (via Article 15 route)	131

Transition of Membership

Member category A,B,C : Regular Members who are eligible to submit Conformity verification report.
Member category D : Supporting Members such as test and measurement companies.

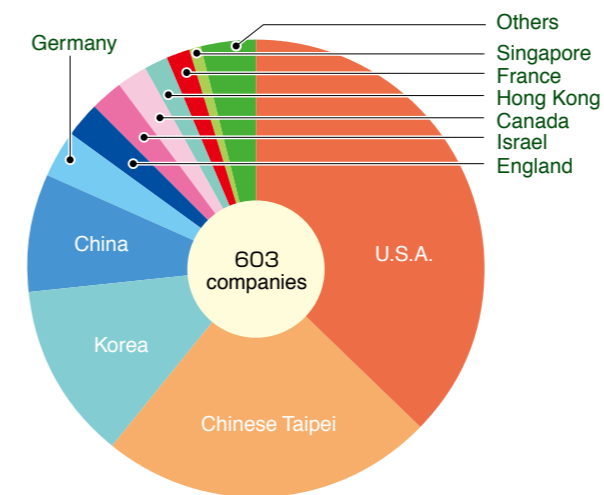


Composition of Members

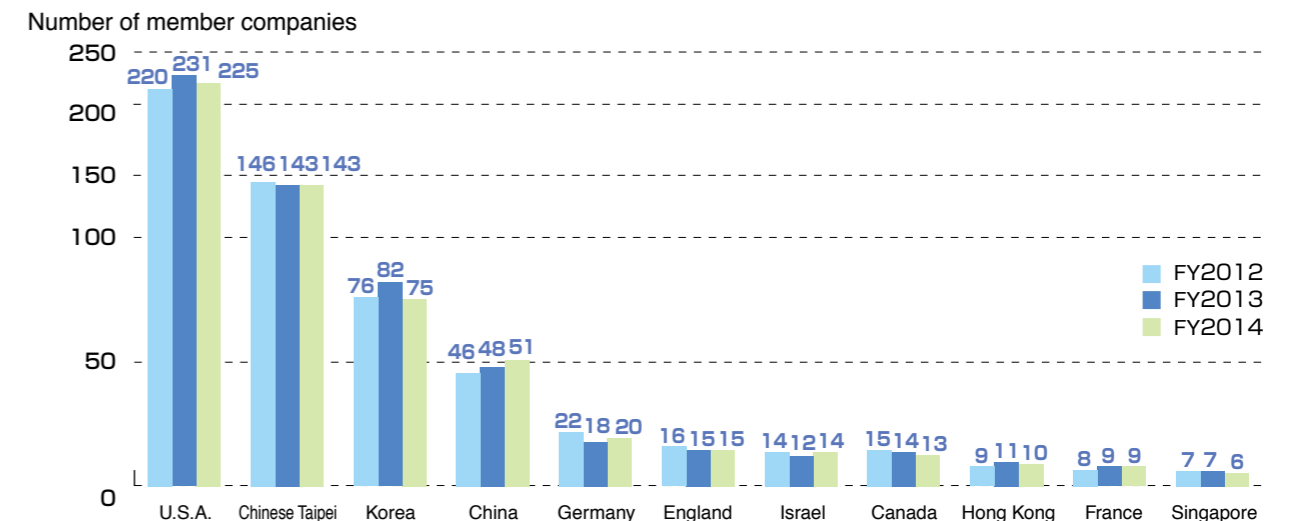


Member category	Number of Members	%
Japanese A	19	1.6%
Japanese B	36	3.1%
Japanese C	424	36.5%
Japanese D	81	7.0%
Overseas A	11	0.9%
Overseas B	43	3.7%
Overseas C	392	33.7%
Overseas D	157	13.5%
Total	1163	100%

Composition of Overseas Members

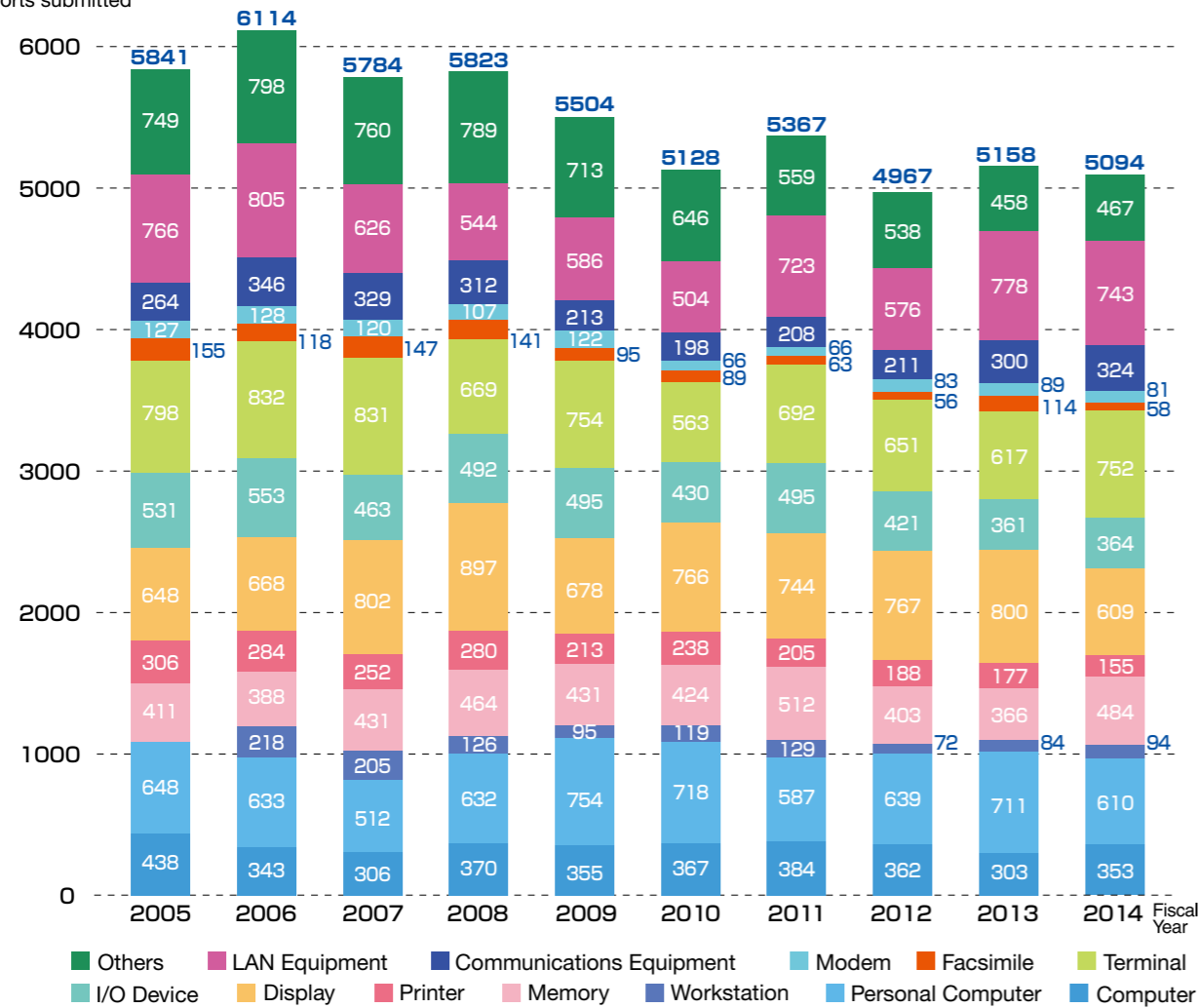


Countries	Number of Members
U.S.A.	225
Chinese Taipei	143
Korea	75
China	51
Germany	20
England	15
Israel	14
Canada	13
Hong Kong	10
France	9
Singapore	6
Others	22
Total	603

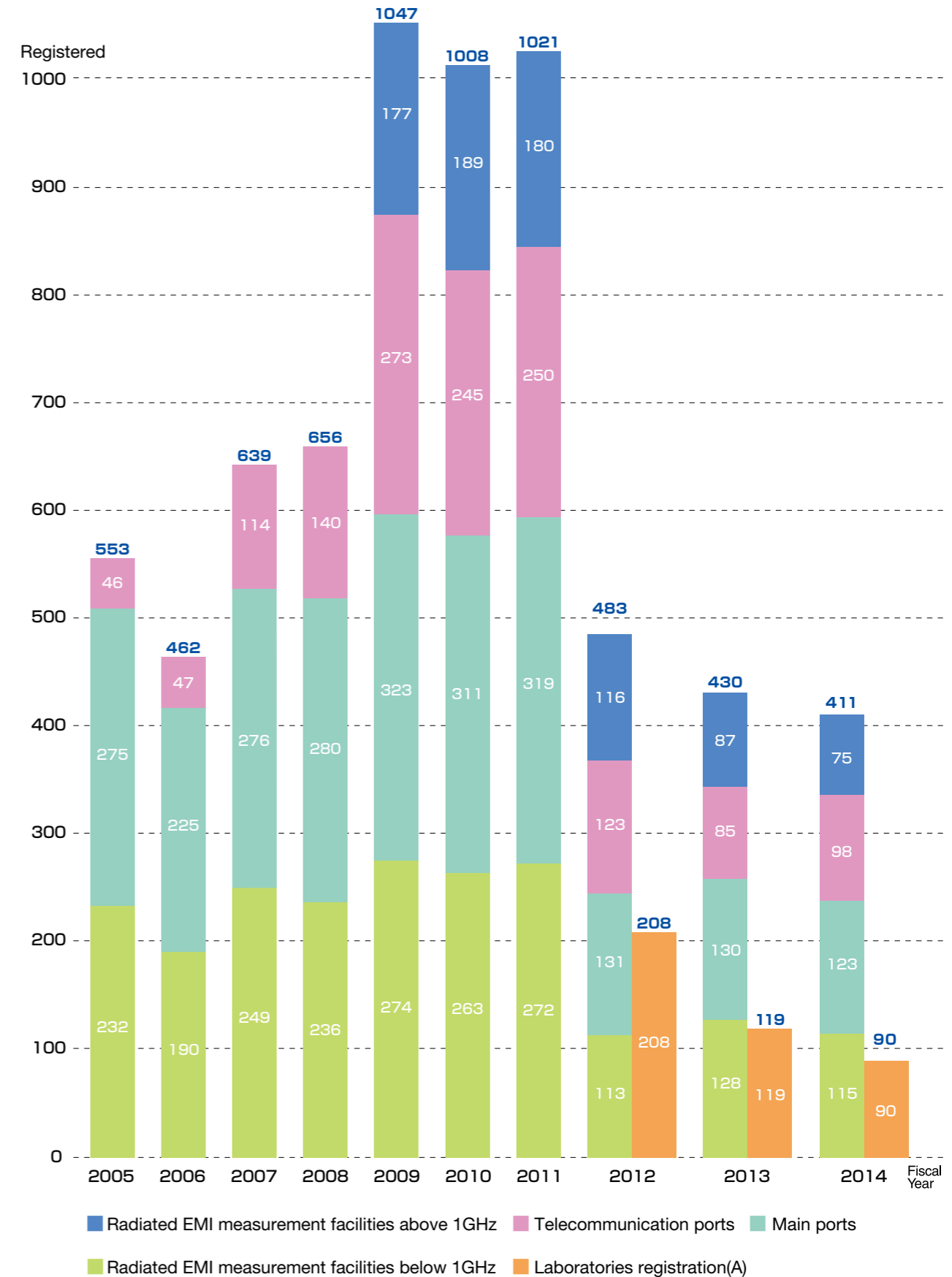


The number of filed Conformity Verification Report

Number of Conformity Verification Reports submitted

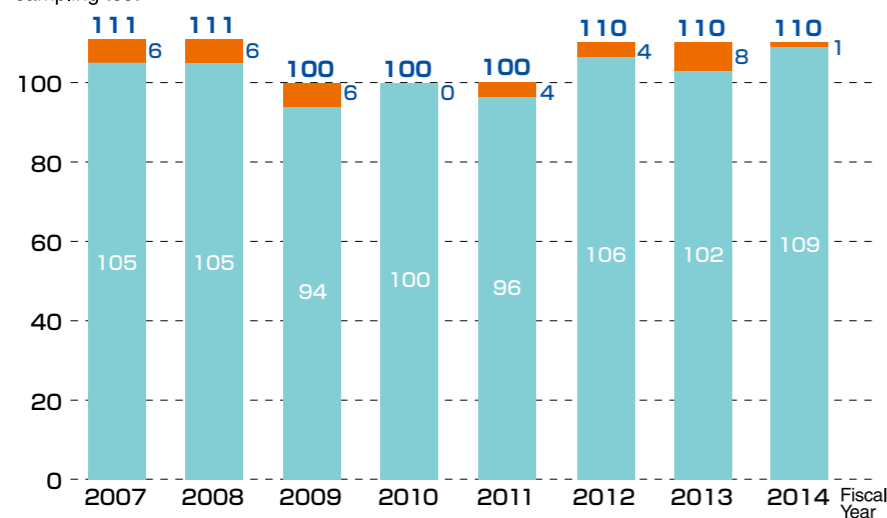


Change in the number of registered measurement facilities



Market Surveillance Results

Number of market sampling test



Failed (Not complied)
Passed (complied)

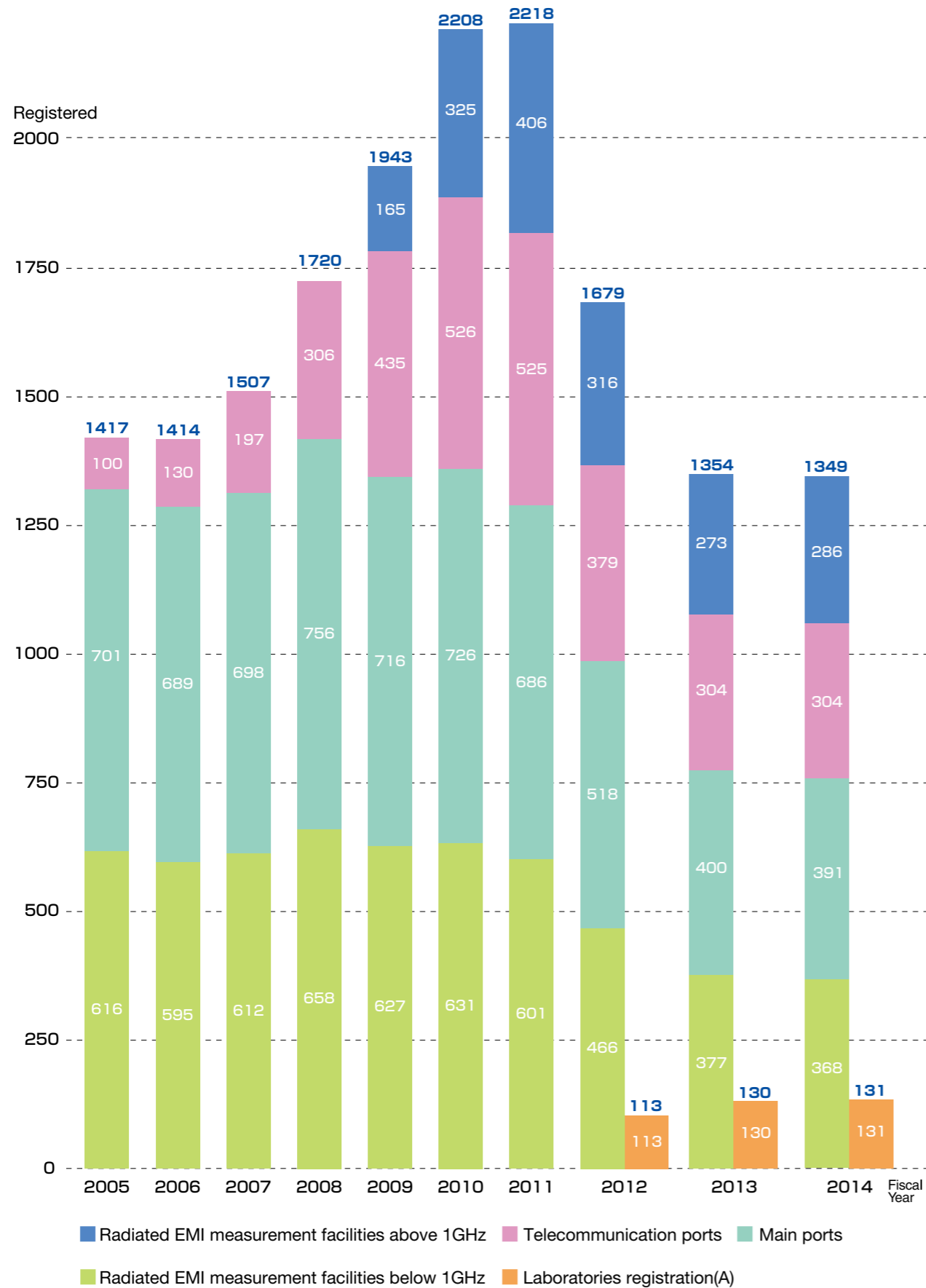
Details

Japanese Member	Overseas Member
53	57

Overseas Items

Chinese Taipei	U.S.A.	Korea
28	16	7
China	Others	
3	3	

Change in the inventory of registered measurement facilities



About VLAC

VLAC, the Voluntary EMC Laboratory Accreditation Center separated from VCCI in 1999, accredits laboratories for their competence based on ISO/IEC 17025:2005. The core scope of accreditation is EMC testing on ITE required by VCCI. Additional services cover a wide variety of testing for emission from electronic-electrical equipment, medical equipment, vehicle-mounted electronic equipment, electronic equipment used in railroad, vessels and elevators. The service scope stretches even to performance testing of telecommunication terminals, measurement of SAR, airborne noise testing, and even electrical power consumption testing for home electronic equipment. Laboratories accredited by VLAC are recognized elsewhere in the world because VLAC is an ILAC MRA signatory. The number of VLAC accredited testing sites is 40 of 32 laboratories at the end of FY2014. Details are available at VLAC Website <http://www.vlac.co.jp/>



ILAC Combined MRA Mark



Certificate of Accreditation



Scope of Accreditation (testing categories)



Scope of Accreditation (testing standards)

VCCI Commissioned Testing Laboratories



TELEC (Telecom Engineering Center) – EMC Laboratory

URL: <http://www.telec.or.jp/>
Street address: 7-2, 5 Chome, Yashio, Shinagawa-ku, Tokyo, Japan 140-0003

TELEC is a testing and certification laboratory providing technical services including certification of conformity with the technical requirements of the Radio Act, the notified body services accredited by EU with MRA, calibration of measuring instruments and testing of radio and high frequency equipment. TELEC, an ISO/IEC 17025 compliant testing laboratory accredited by VLAC, is also engaged in testing of EMC, RF, SAR and weak power radio apparatus. Testing of facilities driven by high frequency radio, characterization of antennas and measurement of electromagnetic field strength in its open test site are also in the service menu of TELEC.



JQA (Japan Quality Assurance Organization) – Tsuru Electromagnetic Environment Testing Laboratory

URL: <http://www.jqa.jp/>
Street address: 2096, Tanbozawa, Oohata, Tsuru-shi, Yamanashi-ken, Japan 402-0045

JQA is a neutral not-for-profit third-party organization specializing in electromagnetic environment testing, product safety certification and calibration of measuring instruments in addition to primary services for assessment and registration by ISO9000 Quality Management and ISO14001 Environmental Management Systems. JQA which started out its operation with two open area test sites is now even capable of immunity testing with a 10m anechoic chamber built in 1998. JQA testing facilities are registered to VCCI and accredited by VLAC.



KEC (Kansai Electronic Industry Development Center) – Testing Division

URL: <http://www.kec.jp/>
Street address: 3-2-2 Hikaridai, Seikacho, Sourakugun, Kyoto-fu, Japan 619-0237

KEC, accredited to ISO/IEC 17025 (via VLAC, JAB, JNLA and A2LA), provides high quality and speedy services on EMC testing for home appliances, radio equipment, medical equipment, industrial tools and on-board equipment of automobiles, aircrafts and military vehicles. The center also provides services on product safety testing and energy saving performance testing for home appliances. The center owns five 10m/3m anechoic chambers and three small size anechoic chambers for special EMC testing supported by INARTE certified engineers. The center also provides examination services for INARTE/EMC/PS certification together with technical seminars to foster engineers.



Intertek Japan – Kashima Testing Laboratory

URL: <http://www.japan.intertek-etlsemko.com/>
Street address: 298-6 Sada, Kashima-shi, Ibaraki-ken, Japan 314-0027

Intertek Japan with five testing sites operating in Japan is a testing laboratory accredited by VLAC, NVLAP, IECCE and others. The laboratory provides EMC testing and certification services for consumer, medical, automobile, MIL, aviation and telecommunication equipment and accredited calibration services for measuring instruments. It also provides agent service for applications for domestic and overseas product safety certification, factory inspection and radio station licensing. The Kashima laboratory with anechoic rooms and open sites has been engaged in EMC testing mainly of consumer electronic equipment since 1984.

As of March 31, 2015

3179 GS Instruments Co., Ltd. (KOREA)	[L]	1961 NEXCOM International Co., LTD. (CHINESE TAIPEI)	[R]	2883 Sysgration Ltd. (CHINESE TAIPEI)	3123 WORLDVIEW TECHNOLOGY CORP. (CHINESE TAIPEI)
3225 Guillemot Corporation S.A. (FRANCE)	2152 Lantronix (USA)	3033 NEXTLINK Co., LTD (KOREA)	3430 RAD Data Communications Ltd. (ISRAEL)	[T]	
[H]	3500 Lastar Inc. (USA)	3448 Nimble Storage (USA)	2956 RadiSys Corporation (USA)	3271 TA Technology (Shanghai) Co.,Ltd (CHINA)	[X]
1919 Handlink Technologies Inc. (CHINESE TAIPEI)	3454 LC Future Center Limited Taiwan Branch (CHINESE TAIPEI)	3139 NT-ware Systemprogrammierung GmbH (GERMANY)	2407 Radware Ltd. (ISRAEL)	3175 Taiwan BOE Vision-electronic Technology Co., Ltd. (CHINESE TAIPEI)	3359 XAC Automation Corporation (CHINESE TAIPEI)
2791 Handreamnet Co., Ltd. (KOREA)	740 LEADTEK RESEARCH INC (CHINESE TAIPEI)	1904 NueTeq Technology, Inc. (CHINESE TAIPEI)	1895 Raritan International B.V. Taiwan Branch (CHINESE TAIPEI)	1078 Tandberg Data GmbH (GERMANY)	2827 Xerox Corporation (USA)
2608 Hangzhou H3C Technologies Co., Ltd. (CHINA)	3474 Leap Motion, Inc. (USA)	3336 Nutanix, Inc. (USA)	3437 RF IDEas, Inc. (USA)	224 Tattung Company (CHINESE TAIPEI)	3549 XNsystems (KOREA)
3601 Hanshin Information Technology Co., Ltd. (KOREA)	1342 LEICA CAMERA AG (GERMANY)	1423 NVIDIA CORPORATION (USA)	2715 RF Window (KOREA)	3408 TECO Image Systems Co., Ltd (CHINESE TAIPEI)	3538 XYZprinting, Inc. (CHINESE TAIPEI)
3599 HappyOrNot Ltd. (FINLAND)	714 LenovoEMC, Ltd. (USA)	[O]	2377 Rimage Corporation (USA)	3023 Tektronix Communications (USA)	
1918 HARMONIC INC. (USA)	674 Lexmark International, Inc. (USA)	3261 Oce Technologies B.V. (THE NETHERLANDS)	2529 Riverbed Technology (USA)	3483 Tellabs Inc (USA)	[Y]
3059 HID Global Corporation (USA)	256 LG Electronics Inc. (KOREA)	2251 Olympus Technologies Singapore Pte Ltd (SINGAPORE)	3421 ROAM Data Inc. (USA)	2943 Teradata Corporation (USA)	3229 YOUNG Lighting Technology Inc. (CHINESE TAIPEI)
3629 Hisense International Co., Ltd (CHINA)	2481 LifeSize Communications (USA)	3550 Opendgear Inc (USA)	3076 Robert Bosch Taiwan Co., Ltd. (CHINESE TAIPEI)	3120 Thecus Technology Corp. (CHINESE TAIPEI)	2850 YOUNGWOO TELECOM INC. (KOREA)
3372 Hitachi Data Systems Corporation (U.K.)	3497 Linear Technology (USA)	2559 Optica Technologies Inc. (USA)	3389 RSUPPORT CO., LTD. (KOREA)	2645 Thomson Video Networks (FRANCE)	
2636 Home Control Singapore Pte Ltd (SINGAPORE)	495 Lite On Technology Corp. (CHINESE TAIPEI)	241 Oracle America, Inc. (USA)	2480 Ruckus Wireless, Inc. (USA)	3005 TIBCO Software Inc. (USA)	[Z]
1724 HON HAI PRECISION IND. CO., LTD. (CHINESE TAIPEI)	3214 LITE-ON IT Corporation (CHINESE TAIPEI)	2892 Oracle/Acme Packet (USA)	[S]	3466 Tigo Energy, Inc. (USA)	2787 Zalman Tech. Co., Ltd. (KOREA)
3235 Honeywell Scanning & Mobility (USA)	532 Logitech Inc. (USA)	3489 Orbotix, Inc. dba Sphero (USA)	2469 SAE Technologies Development (Dongguan) Co., Ltd. Chang An Branch (CHINA)	3626 Tobii Technology AB (SWEDEN)	1143 Zebra Technologies Corporation (USA)
3582 Honeywld Technology Corp. (CHINESE TAIPEI)	687 LSI Corp. (USA)	3062 Orion Technology Co., Ltd. (KOREA)	927 Samji Electronics Co., Ltd. (KOREA)	1601 Top Victory Electronics(Taiwan) Co., Ltd. (CHINESE TAIPEI)	1229 ZEBRA TECHNOLOGIES CORPORAION (USA)
3385 Hon-Kwang Electric Co., Ltd. (CHINESE TAIPEI)	2230 Luidia Inc (USA)	577 Overland Storage Inc. (USA)	2750 SAMPO Corporation Ltd (CHINESE TAIPEI)	2229 Toshiba Samsung Storage Technology Korea Corporation (KOREA)	2462 ZF Electronics Corporation (USA)
1968 Huawei Technologies CO., LTD. (CHINA)	3567 Luxshare Precision Industry Co., Ltd. (CHINESE TAIPEI)	[P]	271 SAMSUNG ELECTRONICS Co.,Ltd. (KOREA)	3401 TPV-INVENTA TECHNOLOGY CO., LTD. (CHINESE TAIPEI)	636 ZF Friedrichshafen AG (GERMANY)
3625 HUMAX Co., Ltd. (KOREA)	3616 Lynx Innovation Ltd (CHINA)	2471 Packet Design, LLC (USA)	3055 Samsung SDS CO., LTD. (KOREA)	3542 TransAct Technologies Incorporated (USA)	339 ZHONE TECHNOLOGIES (USA)
3527 Hung Wai Products Ltd (HONG KONG)	[M]	3441 Palo Alto Networks Inc (USA)	2168 SanDisk IL (ISRAEL)	1215 Tributary Systems, Inc. (USA)	3556 ZhuHai FTZ Oplink Communications, Inc. (CHINA)
1715 HYUNDAI IBT CORP. (KOREA)	3133 Mad Catz Interactive Asia Limited Inc., (USA)	3434 Panasas, Inc. (USA)	3627 Sanmina Corp (USA)	3563 Tripwire Inc. (USA)	3499 ZIN CORPORATION Co., Ltd. (KOREA)
3580 HYUNDAI IT CO., LTD. (KOREA)	1133 Magic Control Technology Corporation (CHINESE TAIPEI)	2372 Panduit Corp. (USA)	3501 Sanmina Corporation dba Viking Technology (USA)	3565 Twinhead International Corp. (CHINESE TAIPEI)	3521 ZOTAC International (Macao Commercial Offshore) Limited (HONG KONG)
3365 HYUNDAI MEDIA Co., Ltd. (KOREA)	2105 Malvern Instruments Limited (U.K.)	3395 ParTech Inc. (USA)	3496 Savant Systems LLC (USA)		3354 ZTE Corporation (CHINA)
[I]	359 Matrox Electronic Systems (CANADA)	1808 PARTNER TECH CORP. (CHINESE TAIPEI)	3180 Scale Computing, Inc (USA)		2596 Zylux Acoustic Corporation (CHINESE TAIPEI)
3031 I/O INTERCONNECT INC. (CHINA)	3278 MBX Systems (USA)	3360 PC WORTH INT'L CO., LTD. (CHINESE TAIPEI)	3597 SDJ Technologies, Inc, dba, Monster Digital (USA)	[U]	
3021 iCube Co., Ltd. (KOREA)	1090 McAfee, Inc. (USA)	2869 PEGATRON CORPORATION (CHINESE TAIPEI)	1416 Seagate Systems (UK) Ltd (U.K.)	3609 UGREAT ELECTRONIC CO., LTD (CHINESE TAIPEI)	Supporting Members
1737 IEI Integration Corp. (CHINESE TAIPEI)	2863 Mellanox Technologies, Ltd. (ISRAEL)	3536 Pen Generations, Inc. (KOREA)	3046 Seagate Technology (USA)	2901 Ulticom Inc. (USA)	<Japanese>
1272 IYAMA CORPORTION (THE NETHERLANDS)	3442 Meraki, Inc. (USA)	2614 Philips & Lite-On Digital Solutions Corp. (CHINESE TAIPEI)	2552 SEH Computertechnik GmbH (GERMANY)	886 Universal Global Scientific Industrial Co., Ltd. (CHINESE TAIPEI)	No. Company Name
2368 Imaging Business Machines, LLC (USA)	2424 Meru Networks, Inc. (USA)	2181 PIOLINK, Inc. (KOREA)	2788 SEHA Electronics and Telecommunications Co., Ltd. (KOREA)	1792 UTStarcom Telecom Co., Ltd. (CHINA)	[A]
3591 Imperva, Inc. (ISRAEL)	3612 Meta Company (USA)	3335 Pioneer POS Solution, Inc. (USA)	3239 SendTek Corporation (CHINESE TAIPEI)		3196 ANRITSU CUSTOMER SUPPORT CO., LTD.
2664 Infinera Corporation (USA)	2694 Micron Consumer Products Group, Inc. (USA)	3492 piQx Imaging Pte. Ltd. (SINGAPORE)	481 SerComm Corporation (CHINESE TAIPEI)		2763 Astronaut CO., LTD.
3192 INFINITT Healthcare Co., Ltd. (KOREA)	3102 Micron Technology, Inc. (USA)	2524 Plantronics Inc. (USA)	3219 Shenzhen Bitland Information Technology Co., Ltd. (CHINA)	[V]	
2472 INFOBLOX (USA)	1639 Microsemi (ISRAEL)	1017 Plustek Inc. (CHINESE TAIPEI)	3547 Shenzhen Neostra Technology Co., Ltd. (CHINA)	3161 Valcretec Inc. (KOREA)	[C]
3460 Interconnect System Inc. (USA)	768 MICROSOFT CORPORATION (USA)	748 PMC-Sierra, Inc. (USA)	3618 Shuttle Inc. (CHINESE TAIPEI)	3003 ViaSat, Inc. (USA)	884 Canon Imaging Systems Inc.
3519 Interface Masters Technologies, Inc. (USA)	1573 Micro-Star International Co., Ltd. (CHINESE TAIPEI)	3480 POINT MOBILE CO., LTD (KOREA)	1591 SIIG, Inc. (USA)	2595 ViaScope Inc. (KOREA)	1192 Chiba Industry Advancement Center Toukatsu Techno Plaza
476 Interphase Corporation (USA)	1433 MITAC COMPUTING TECHNOLOGY CORPORATION (CHINESE TAIPEI)	578 Polycom, Inc. (U.K.)	2306 Silicom Ltd. (ISRAEL)	2963 Vidyo, Inc. (USA)	1846 Chokuan Information and Industry Development Association
378 Inventec Corporation (CHINESE TAIPEI)	1896 MitraStar Technology Corporation (CHINESE TAIPEI)	3559 Portwell, Inc. (CHINESE TAIPEI)	286 Silicon Graphics International Corporation (USA)	3613 ViewSonic International Corporation (CHINESE TAIPEI)	755 COSMOS CORPORATION
2947 IPEVO corp (CHINESE TAIPEI)	3036 Modacom Co., Ltd. (KOREA)	3621 Powa Technologies Group PLC (U.K.)	2535 Silver Peak Systems, Inc. (USA)		[E]
2246 Isilon Systems Inc. (USA)	3388 MONEUAL INC. (KOREA)	3146 Power Quotient International Co., Ltd. (CHINESE TAIPEI)	3131 SK hynix Inc. (KOREA)		997 E & C Engineering K.K.
[J]	754 MONTEREY INTERNATIONAL CORP. (CHINESE TAIPEI)	2062 POWERCOM CO., LTD. (CHINESE TAIPEI)	2835 Sling Media, Inc. (USA)		1263 Ehime Institute of Industrial Technology
3610 Jabil Circuit (Shanghai) Ltd. (CHINA)	3490 Motorola Mobility LLC (USA)	3374 Pride Tech Corporation (CHINESE TAIPEI)	1960 SMART Modular Technologies, Inc. (USA)		259 EMC Japan Corporation
2757 JDSU Corp. (USA)	3529 MOXA INC. (CHINESE TAIPEI)	851 Primax Electronics Ltd. (CHINESE TAIPEI)	2501 SMART Technologies ULC (CANADA)		300 e-OHTAMA, LTD.
1164 Juniper Networks, Inc. (USA)	3491 MTI Co., LTD (KOREA)	1910 PROMISE TECHNOLOGY, INC. (CHINESE TAIPEI)	3607 SMAX Technology Co., Ltd. (CHINESE TAIPEI)		1906 ETS-Lindgren Japan, Inc.
[K]	775 Mustek Systems Inc. (CHINESE TAIPEI)	3297 Propellerhead Software AB (SWEDEN)	3384 SMEC CO., LTD (KOREA)		[F]
3339 Katron Technologies Inc. (CHINESE TAIPEI)	[N]	2716 Psi Laser GmbH (GERMANY)	2597 Solace Systems, Inc. (CANADA)		2865 FUJIFILM Techno Products Co., Ltd.
3325 Kent Displays, Inc. (USA)	3415 Ncomputing Co., Ltd (KOREA)	3429 Pure Storage Inc (USA)	3279 Solarflare Communicaitons Inc (U.K.)		1115 FUJITSU GENERAL EMC LABORATORY LIMITED
3156 KIC SYSTEMS Co., Ltd (KOREA)	3002 NDS Surgical Imaging (USA)	[Q]	794 SOLID YEAR CO.,LTD. (CHINESE TAIPEI)		575 Fukuoka Technology Centre
2845 Kingston Digital, Inc. (USA)	3535 Neophotonics (China) Co., Ltd. (CHINA)	2841 Qisda Corporation (CHINESE TAIPEI)	3158 SOLiD, Inc. (KOREA)		1370 Furuono Labotech International Co., Ltd.
3617 Kinoma, Inc. (USA)	1687 NetApp, Inc (USA)	1182 Qlogic Corporation (USA)	281 Sonus Networks, Inc. (USA)		[G]
3340 Kisan Telecom Co., Ltd. (KOREA)	1418 NETGEAR, Inc. (USA)	3162 QNAP Systems, Inc. (CHINESE TAIPEI)	1558 Sonus Networks, Inc. (USA)		1007 GE Healthcare Japan Corporation
3371 Kobo Inc. (CANADA)	1533 Netronix Inc. (CHINESE TAIPEI)	2261 Qualys, Inc. (USA)	3249 Sophos Technology GmbH (GERMANY)		2586 GIKENKOGYO CO., LTD. TECHNOSHIELD BUSINESS DIVISION
3574 Konftel AB (SWEDEN)	667 NetScout Systems, Inc. (USA)	3623 Quanta Cloud Technology Inc. (CHINESE TAIPEI)	3447 SteelSeries APs (CHINESE TAIPEI)		
3041 Kontron America (USA)	1316 Network Engines Inc, DBA "NEI", & DBA "Unicom Engineering Inc." (USA)	726 QUANTA COMPUTER INC. (CHINESE TAIPEI)	1498 Stratus Technologies, Inc. (USA)		
3317 KOSTEC Co., Ltd. (KOREA)	3362 Newline Interactive (CHINESE TAIPEI)	2039 Quanta Storage Inc. (CHINESE TAIPEI)	3243 SUNIX Co., Ltd. (CHINESE TAIPEI)		
861 KYE SYSTEMS CORPORATION (CHINESE TAIPEI)		1012 Quantum Corporation (USA)	2173 SUNNY COMPUTER TECHNOLOGY CO., LTD. (CHINA)		
			2933 Sunrex Technology Corp (CHINESE TAIPEI)		
			1880 SUPER MICRO COMPUTER INC. (USA)		
			3595 Synnex Corporation (USA)		

[H]	608 Panasonic System Networks Evaluation Technology Co., Ltd.	3387 Bay Area Compliance Labs Corp.,(ShenZhen) (CHINA)	[G]	3143 Gefen Inc. (USA)	[N]	3379 The Compliance Management Group (CMG) (USA)
423 HIROSHIMA-TECHNOPLAZA CORPORATION	2923 PFU TECHNOCONSUL Limited	3329 BEC Incorporated (USA)	2778 Global Certification Corp. (CHINESE TAIPEI)	1211 National Technical Systems (USA)	3587 The First Research Institute of Telecom. Tech. TFTX Laboratory (CHINA)	
1823 Hitachi High-Technologies Corporation	[R]	672 BTL Inc. (CHINESE TAIPEI)	2718 Global EMC Inc. (CANADA)	3558 National Testing Center for Optical Radiation Safety of Photoelectric Products (CHINA)	1328 The Hong Kong Standards and Testing Centre Ltd. (HONG KONG)	
2207 Hitachi Information & Telecommunication Engineering, Ltd. EMC Center	2285 Radio Engineering & Electronics Association	2709 BTL Inc. (CHINA)	708 Global EMC Standard Tech. Corp. (CHINESE TAIPEI)	3220 Nemko AS (NORWAY)	831 The Standards Institution of Israel (SII) (ISRAEL)	
3356 Hyogo Prefectural Institute of Technology	1398 RAKURYOU TECHNICA CO., LTD.	2213 Bureau Veritas Consumer Product Services (GERMANY)	2752 Global Testing Laboratories (USA)	642 Nemko Canada Inc. (CANADA)	3241 TPV Display Technology (Xiamen) Co., Ltd. (CHINA)	
[I]	485 RIKEN ENVIRONMENTAL SYSTEM Co., Ltd	818 Bureau Veritas Consumer Products Services (USA)	3373 Guangzhou GRG Metrology and Test CO., LTD (CHINA)	2118 Nemko Korea Co., Ltd. (KOREA)	657 TRaC Global Ltd (U.K.)	
3234 Industrial Research Institute of Niigata Prefecture	2759 Rohde & Schwarz Japan K.K.	395 Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch (CHINESE TAIPEI)	2092 Gumi University EMC Center (KOREA)	720 Nemko USA, Inc. - San Diego EMC Division (USA)	2697 TUV Rheinland (Guangdong) Ltd. (CHINA)	
397 Industrial Research Institute of Shizuoka Prefecture Hamamatsu Technical Support Center	1337 Roland Corporation	2115 Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch (CHINA)	[H]	564 Northwest EMC, Inc. (USA)	639 TUV Rheinland Nederland BV (THE NETHERLANDS)	
742 Industrial Technology Center of OKAYAMA Pref.	[S]	1818 BWS TECH, INC. (KOREA)	3606 Hangzhou TDT Technologies Co., Ltd (CHINA)	[O]	1097 TUV Rheinland of North America (USA)	
2264 Industrial Technology Center of Tochigi Prefecture	3446 Samoto & Associates, Ltd.	[C]	3026 HCL TECHNOLOGIES LTD. (INDIA)	782 ONETECH Corp. (KOREA)	3252 TUV Rheinland Taiwan Ltd. (CHINESE TAIPEI)	
1213 Industrial Technology Institute, Miyagi Prefectural Government	2906 SELA Corporation	1847 Central Research Technology Co. (CHINESE TAIPEI)	264 HCT Co., Ltd (KOREA)	[P]	129 TUV SUD America Inc. (USA)	
999 Intertek Japan K.K.	2563 SGS RF Technologies Inc.	3517 Centre of Testing Service Co., Ltd. (CHINA)	592 Hermon Laboratories Ltd. (ISRAEL)	656 PCTEST Engineering Laboratory, Inc. (USA)	433 TUV SUD Product Service Ltd. (U.K.)	
579 IPS Corporation	3274 Shimane Insutitute Industrial Technology	3177 Centre Testing International (Shenzhen) Limited (CHINA)	1814 Hong An Technology CO., LTD. (CHINESE TAIPEI)	3418 PEP Certification Corp. (CHINESE TAIPEI)	542 TUV SUD PSB Pte Ltd (SINGAPORE)	
2227 ISHIKAWA Co., Ltd.	1849 Sony EMCS Corporation	2216 Cerpass Technology Corporation (CHINESE TAIPEI)	3070 Hong Fu Jin Precision Electrons (Yantai) Co., Ltd. (CHINA)	2670 Precision Machinery Research & Development Center (CHINESE TAIPEI)	[U]	
[J]	[T]	2783 CETECOM GmbH (GERMANY)	2257 Hong Fu Jin Precision Ind. (Shenzhen) Co., Ltd. (CHINA)	618 Product Safety Engineering, Inc. (USA)	3148 UL International Singapore Pte Ltd (SINGAPORE)	
3619 Japan Automobile Research Institute	346 TDK-Lambda Corporation	555 Chomerics Test Services (USA)	1145 HURSLEY EMC SERVICES LTD (U.K.)	409 Professional Testing (EMI), Inc. (USA)	596 UL LLC (USA)	
792 JAPAN ELECTRICAL SAFETY & ENVIRONMENT TECHNOLOGY LABORATORIES	1098 TOKYO METROPOLITAN INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	2765 CHUNGBUK TECHNOPARK (KOREA)	[I]	[Q]	376 UL Verification Services Inc. (USA)	
140 JEL Limited	943 Toshiba Carrier Engineering & Life Support Corp.	213 CKC Laboratories, Inc. (USA)	821 I.T.L. (PRODUCT TESTING) LTD (ISRAEL)	1798 QualiTech, EMC Lab. (ISRAEL)	1309 Ultratech Engineering Labs Inc. (CANADA)	
1251 Kagawa Industry Support Foundation	3283 Toyama Industrial Technology Center	530 Compatible Electronics, Inc. (USA)	3452 International Certification Corp. (CHINESE TAIPEI)	1153 QuieTek Corporation (CHINESE TAIPEI)	892 Universal Compliance. Labs dba EMCE Engineering (USA)	
689 Kanagawa Industrial Technology Center	995 TOYO Corporation	1938 Compliance Certification Services (KunShan) Inc. (CHINA)	243 International Standards Laboratory (CHINESE TAIPEI)	[R]	[V]	
187 KITAGAWA INDUSTRIES CO., LTD.	3396 Toyota Industries Corporation	710 Compliance Certification Services Inc. (CHINESE TAIPEI)	1349 Interocean EMC Technology Corp. (CHINESE TAIPEI)	2545 R.N. Electronics Ltd. (U.K.)	935 VDE Testing and Certification Institute (GERMANY)	
3569 KYB Corporation	811 TUV Rheinland Japan Ltd.	3168 Compliance Worldwide, Inc. (USA)	960 Intertek Testing Services Hong Kong Ltd. (HONG KONG)	3604 Radiometrics Midwest Corporation (USA)	[W]	
3304 Kyoritsu Electric Corporation	620 TUV SUD Japan Ltd.	3330 Core Compliance Testing Services, LLC (USA)	3598 Intertek Testing Services Ltd., Shanghai (CHINA)	1908 RETLIF Testing Laboratories (USA)	3138 Walshire Labs, LLC (USA)	
[K]	240 TUV SUD Zacta Ltd.	332 CSA Group bayern GmbH (GERMANY)	334 Intertek Testing Services NA Inc. (USA)	[S]	3581 Wendell Industrial Co., Ltd. (CHINESE TAIPEI)	
1251 Kagawa Industry Support Foundation	[U]	2981 CSA International (CANADA)	1253 Intertek Testing Services Taiwan Ltd. (CHINESE TAIPEI)	2793 SGS Germany GmbH (GERMANY)	3289 World Standardization Certification & Testing (Shenzhen)CO., LTD. (CHINA)	
689 Kanagawa Industrial Technology Center	474 UL Japan, Inc	1208 CTK Co., Ltd. (KOREA)	1739 IST Co., Ltd. (International Standard Technology) (KOREA)	2934 SGS Korea Co., Ltd. (KOREA)	2450 Worldwide Testing Services (Taiwan) Co., Ltd. (CHINESE TAIPEI)	
187 KITAGAWA INDUSTRIES CO., LTD.	424 UL Japan, Inc.	[D]	[J]	3300 SGS North America (USA)	[Y]	
3569 KYB Corporation	[W]	270 D.L.S. Electronic Systems, Inc. (USA)	2746 Jiangsu Electronic Information Product Quality Supervision & Inspection Institute (CHINA)	1600 SGS Taiwan Ltd. (CHINESE TAIPEI)	1006 YORK EMC SERVICES LTD. (U.K.)	
3304 Kyoritsu Electric Corporation	260 WAVE CORPORATION	910 DELTA Danish Electronics, Light & Acoustics (DENMARK)	3462 JNDL Laboratory CO., LTD. (KOREA)	3061 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. (CHINA)	1062 York EMC Services, Grangemouth (U.K.)	
[M]	[Y]	715 DNB Engineering, Inc. (USA)	[K]	1937 SGS-CSTC Standards Technical Services Co., Ltd. (CHINA)		
1301 Minami-Shinsyu Iida Industry Center	3318 YAMAHA MOTOR CO., LTD.	3207 DSTech Co. (KOREA)	3465 Keystone Compliance, LLC (USA)	2621 Shanghai Institute of Measurement and Testing Technology EMC Lab. (CHINA)		
1438 Miyazaki Prefecture Industrial Technology Center	911 Yashima Denki Co., LTD.	1722 DT&C Co., Ltd. (KOREA)	3498 Keyway Testing Technology Co., Ltd. (CHINA)	3525 Shenzhen Academy of Metrology and Quality Inspection (CHINA)		
2973 M-System Co., Ltd.	92 YOKOGAWA ELECTRIC CORPORATION	[E]	750 Korea EMC Laboratory Co., Ltd. (KOREA)	2893 SHENZHEN EMTEK Co., Ltd. (CHINA)		
[N]	<Overseas>	1607 Electrical and Electronics Institute (EEI), Thailand (THAILAND)	2442 KOREA TESTING & RESEARCH INSTITUTE (KTR) (KOREA)	2218 Shenzhen Huatongwei International Inspection Co., Ltd. (CHINA)		
352 Nagano Prefectural General Industrial Technology Center Precision and Electronics Technology Department	No. Company Name	922 ELECTRO MAGNETIC TEST, INC. (USA)	2005 KOSTEC Co., Ltd. (KOREA)	3081 SIEMIC INC (USA)		
2421 NEC Computertechno, Ltd.	[A]	2870 ElectroMagnetic Investigations, LLC (USA)	[L]	3071 SINGAPORE EPSON INDUSTRIAL PTE LTD (SINGAPORE)		
2430 NIHON KOHDEN CORPORATION	916 3C Test Ltd (U.K.)	3322 Electromagnetic Testing Services Ltd (U.K.)	3376 Laboratoria De Nayer VZW (BERGIUM)	1411 SK Tech Co., Ltd. (KOREA)		
3592 NIPPON SEIKI CO., LTD.	3034 A Test Lab Techno Corp. (CHINESE TAIPEI)	277 Electronics Testing Center, Taiwan (CHINESE TAIPEI)	3533 LCIE Bureau Veritas (FRANCE)	3561 SP Technical Research Institute of Sweden (SWEDEN)		
3562 NISSEI ELECTRIC CO., LTD.	1831 Advanced Compliance Solutions, Inc. (USA)	1980 EMC compliance., Ltd. (KOREA)	1132 Liberty Labs, Inc. (USA)	842 Spectrum Research & Testing Laboratory Inc. (CHINESE TAIPEI)		
1034 NK Works Co., Ltd.	2186 APPLUS+ LGAI (SPAIN)	2649 EMC Integrity, Inc. (USA)	[M]	466 Sporton International Inc. (CHINESE TAIPEI)		
684 NOISE LABORATORY CO., LTD.	2705 Asia Institute Technology (DongGuan) Limited (CHINA)	785 EMC Technologies Pty Ltd (AUSTRALIA)	757 MET LABORATORIES, INC. (USA)	3096 Standard Bank Co., Ltd (KOREA)		
2689 Norritz Corporation	966 Atlas Compliance & Engineering, Inc. (USA)	1409 EMCCons DR. RASEK GmbH & Co. KG (GERMANY)	2959 MiCOM Labs (USA)	[T]		
[O]	1257 AUDIX Technology (Shanghai) Co., Ltd. (CHINA)	2210 EMITECH Angers (FRANCE)	1177 Mitsubishi Electric Europe B.V. EMC-Competence-Center (GERMANY)	3579 Telecommunication Technology Association (TTA) (KOREA)		
3577 OG GIKEN CO., LTD.	638 Audix Technology (Shenzhen) Co., Ltd. (CHINA)	719 EMV TESTHAUS GMBH (GERMANY)	3575 MRT Technology (Suzhou) Co., Ltd (CHINA)	658 Test Site Services (USA)		
3568 OHTAMA CALIBRATION SERVICE Co., Ltd.	2653 Audix Technology (WuJiang) Co., Ltd. (CHINA)	3270 EST Technology Co., Ltd (CHINA)				
898 OKI ENGINEERING CO., LTD.	237 Audix Technology Corporation (CHINESE TAIPEI)	3470 ESTECH Co., Ltd. (KOREA)				
463 OLYMPUS CORPORATION	[B]	1474 ETL Inc. (KOREA)				
[P]	981 Bay Area Compliance Laboratories Corp. (USA)	2657 Eurofins Product Service GmbH (GERMANY)				
2024 Panasonic Factory Solutions Co., Ltd.	[F]	2003 Flextronics Canada Design Services Inc. (CANADA)				

As of March 31, 2015

Settlement of account for FY2014

(Statement of net assets)

From April 1, 2014 to March 31, 2015

(unit: Japanese yen)

Items	Current fiscal year	Previous fiscal year	Increase or decrease
I. Statement of general net assets			
1. Ordinary increase and decrease			
(1) Ordinary earnings			
① Admission fees received	(4,050,000)	(4,050,000)	(0)
Admission fees received	4,050,000	4,050,000	0
② Membership fees received	(240,050,000)	(241,400,000)	(△ 1,350,000)
Membership fees received	240,050,000	241,400,000	△ 1,350,000
③ Earning on enterprise fees	(17,192,000)	(17,361,000)	(△ 169,000)
Site registration fees	14,194,000	13,416,000	778,000
Seminar enrollment fees	2,998,000	3,945,000	△ 947,000
④ Miscellaneous earnings	(206,172)	(1,548,803)	(△ 1,342,631)
Miscellaneous earnings	206,172	1,548,803	△ 1,342,631
Total ordinary earnings	261,498,172	264,359,803	△ 2,861,631
(2) Ordinary expenditure			
① Enterprise expenditure	(243,265,415)	(233,237,563)	(10,027,852)
Labor	59,748,103	58,850,291	897,812
Enterprise overhead	52,298,063	38,004,844	14,293,219
Operating expenditure	3,040,899	3,320,944	△ 280,045
Standards setting	24,499,709	23,773,331	726,378
Technical education and training	6,212,280	7,318,291	△ 1,106,011
Market surveillance	25,278,657	26,287,830	△ 1,009,173
International relations operation	3,715,753	8,747,624	△ 5,031,871
Public relations	23,108,853	19,524,328	3,584,525
Site registration expenditure	36,822,000	38,760,000	△ 1,938,000
Transfer to bonus reserve fund	5,532,666	5,431,200	101,466
Transfer to retirement allowance reserve fund	2,336,432	2,546,880	△ 210,448
Transfer to officers retirement bonus reserve fund	672,000	672,000	0
② Administrative expenditure	(30,404,688)	(26,723,386)	(3,681,302)
Labor	14,937,003	13,479,532	1,457,471
Housekeeping	13,332,411	11,081,334	2,251,077
Transfer to bonus reserve fund	1,383,167	1,357,800	25,367
Transfer to retirement allowance reserve fund	584,107	636,720	△ 52,613
Transfer to officers retirement bonus reserve fund	168,000	168,000	0
Total ordinary expenditure	273,670,103	259,960,949	13,709,154
Current fiscal year ordinary increase and decrease amount	△ 12,171,931	4,398,854	△ 16,570,785

Items	Current fiscal year	Previous fiscal year	Increase or decrease
General net assets before TAX	△ 12,171,931	4,398,854	△ 16,570,785
Corporation tax, residential tax and enterprise tax	70,000	70,000	0
Current fiscal year general net assets	△ 12,241,931	4,328,854	△ 16,570,785
Balance of general net assets at the beginning of the term	338,715,822	334,386,968	4,328,854
Balance of general net assets at the end of the term	326,473,891	338,715,822	△ 12,241,931
II. Balance of net assets at the end of the term	326,473,891	338,715,822	△ 12,241,931

NOA Bldg.



Headquarters

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Participating organizations

Japan Electronics and Information
Technology Industries Association (JEITA)
Japan Business Machine and Information
System Industries Association (JBMIA)
Communications and Information network
Association of Japan (CIAJ)

As of March 31, 2015

