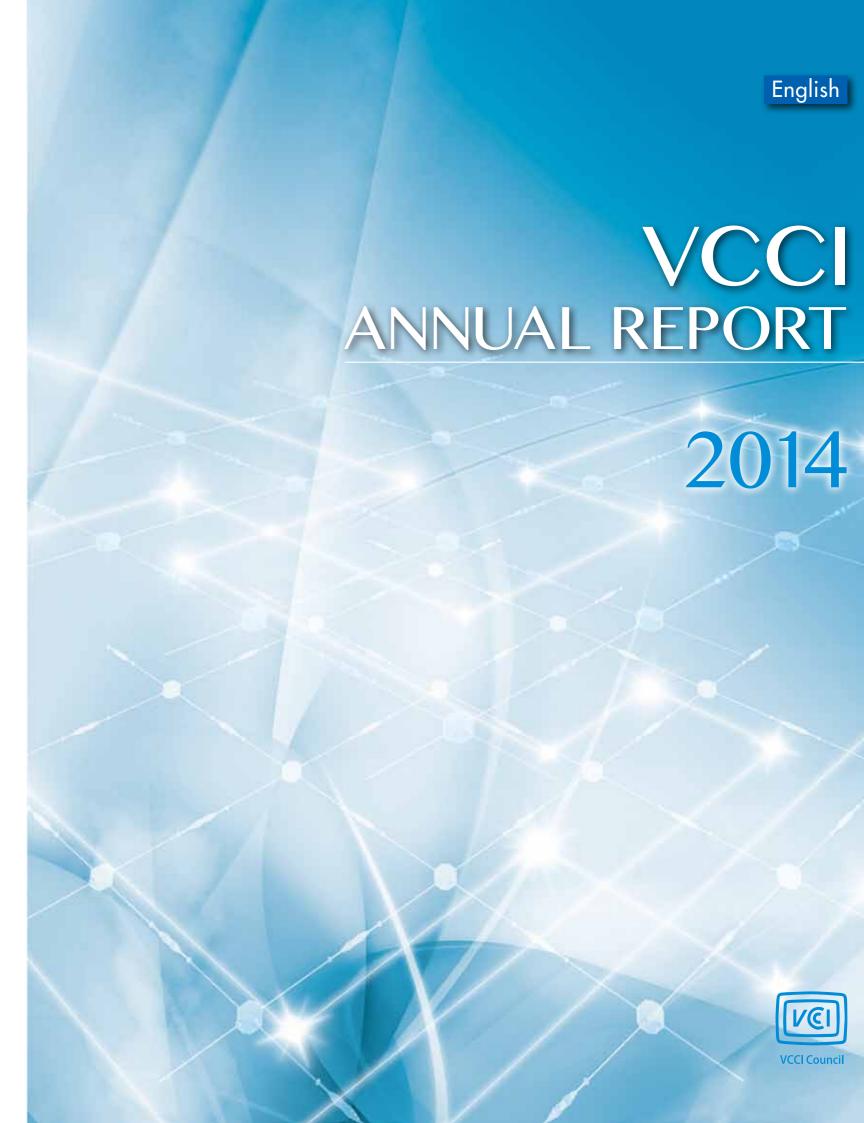


**VCCI** Council http://www.vcci.jp/







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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

- Formulate basic policies on voluntary control of electromagnetic disturbances emitted by information technology equipment
- 2 Coordinate the interest of member organizations and liaise with the government and related agencies
- Receive and file Conformity verification report with the voluntary control standards and issue reception acknowledgement in return
- Carry out market surveillance (with sampling test commissioned to third party testing laboratories)
- Regularly review the suitability of the Technical Requirements for necessary revisions by research and experiments and share the results with members

- Hold measurement skills courses to prepare members' engineers for adequate conformity assessment
- Study trends in overseas EMC regulations and seek opportunities for mutual recognition agreement
- Examine credentials of measurement laboratories and facilities based on the measurement facilities registration system
- Do PR activities for general consumers and reach out to potential companies and associations for encouraging them to join VCCI
- Administer other programs for effective operations of the voluntary control

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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.

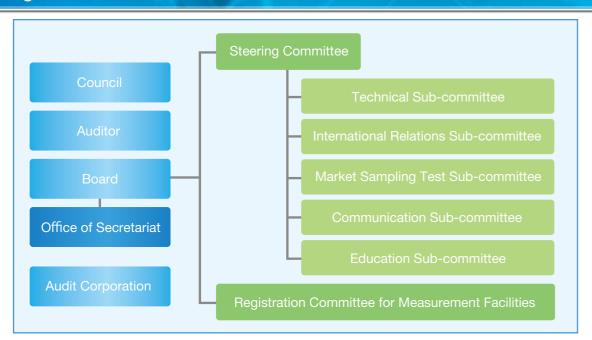
What follows are new endeavors VCCI challenged or will challenge in FY2014. Firstly, VCCI moderated an organized session on the methods to reduce uncertainty of measurement in EMC'14/Tokyo which attracted many audiences for lively discussions. Secondly, VCCI is committed to change its emission control 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 wining 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.

VCCI Annual Report 2014 April-2015 March

# **Organization**



### 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 Fuiiwara

Nagova 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 Corporationor**

Audit Corporation

**ERNST & YOUNG ShinNihon LLC** 

## **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

### **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



Chairman **Shin Kanno** NTT Advanced Technology

### 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

### **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

### **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.



Shinji Kuroda Hitachi Information & Telecommunication Engineering, Ltd. EMC

#### **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.



Yukio Uchida

#### **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.



Minoru Hirata

As of March 31 2015

As of March 31, 2015

#### **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/EUANB. 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 NVI AP and A2I A which are the concerned parties in this arrangement. Cumulative number of laboratories registered under this arrangement is 83 in the US and 48 in VCCI Seminar held as a part of the program for Japan as of the end of FY2014.



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 crosspolarization 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 FUT 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





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

(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

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



Lecture scen

#### (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.

	Test	s on loa	ned sar	nples	Tests o	n purch	nased s	amples	
Quarters	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	Total
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**

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/EUANB. 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
- (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





### **Measurement Facilities Registrations**

#### (1) The number of registrations administered in FY2014

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

ic number of registered labilities. 411 (moldsive of 616 feriewa				
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			

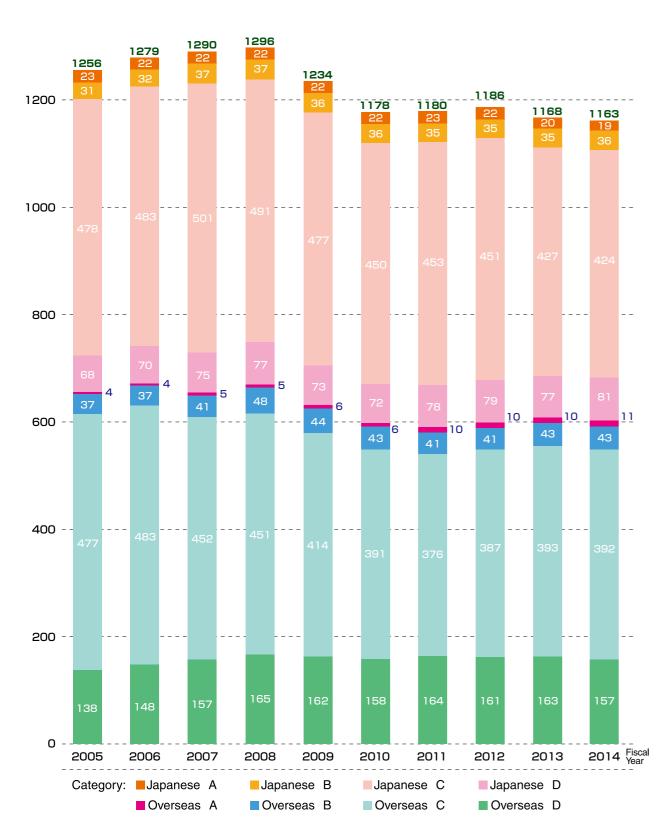
#### (2) Cumulative number of registrations as of March 31, 2015 The number of registered laboratories: 1,349

,	
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

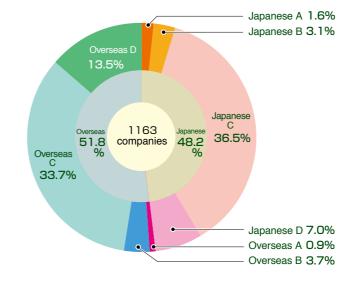
# **Transition of Membership**

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.

Number of member companies 1400 -----

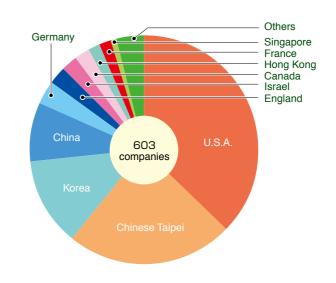


# **Composition of Members**

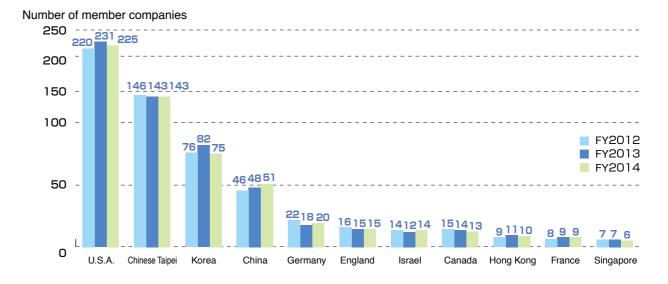


Member category	Number of Members	%
Japanese A	19	1.6%
Japanese B	36	3.1%
Japanese C	424	36.5%
Japanese D	81	7.0%
Overseas A	11	0.9%
Overseas B	43	3.7%
Overseas C	392	33.7%
Overseas D	157	13.5%
Total	1163	100%

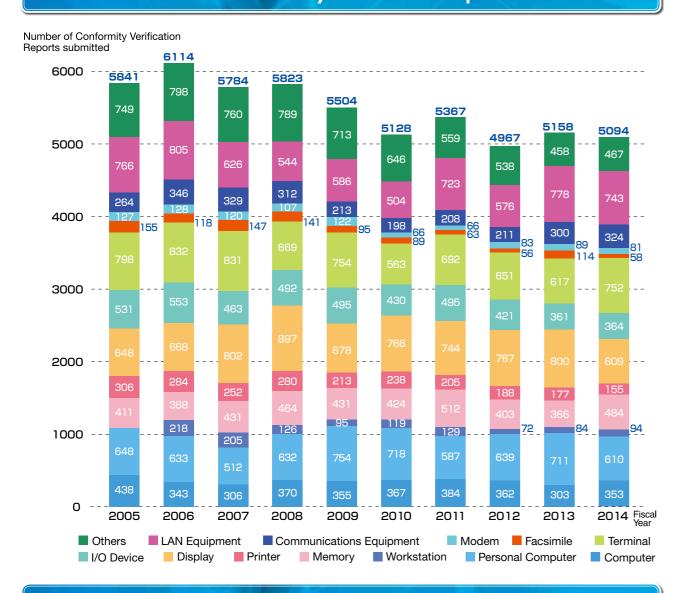
# **Composition of Overseas Members**



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



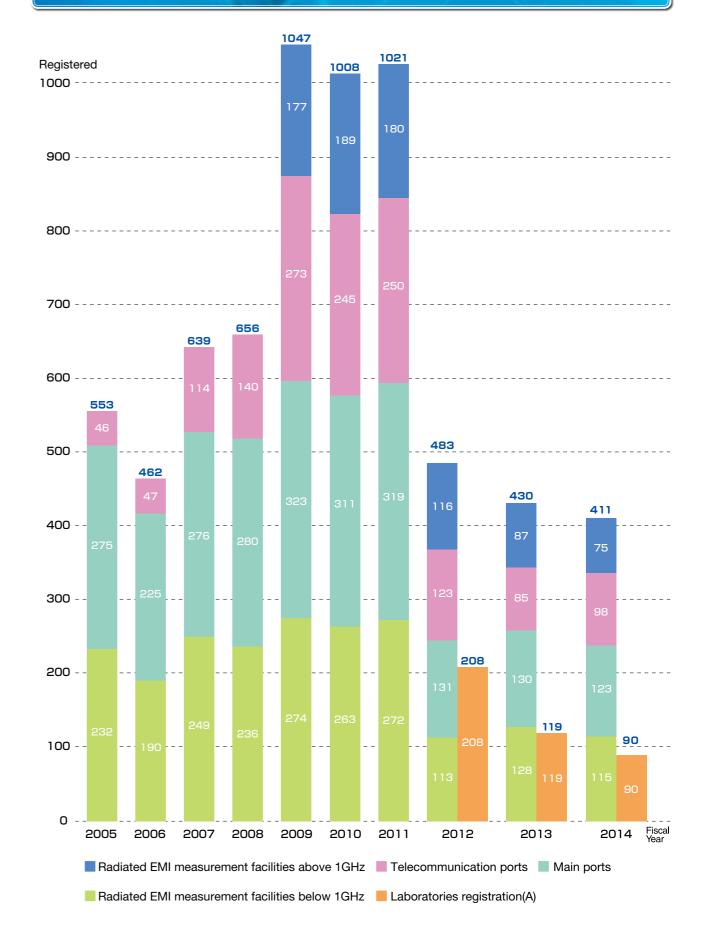
# The number of filed Conformity Verification Report



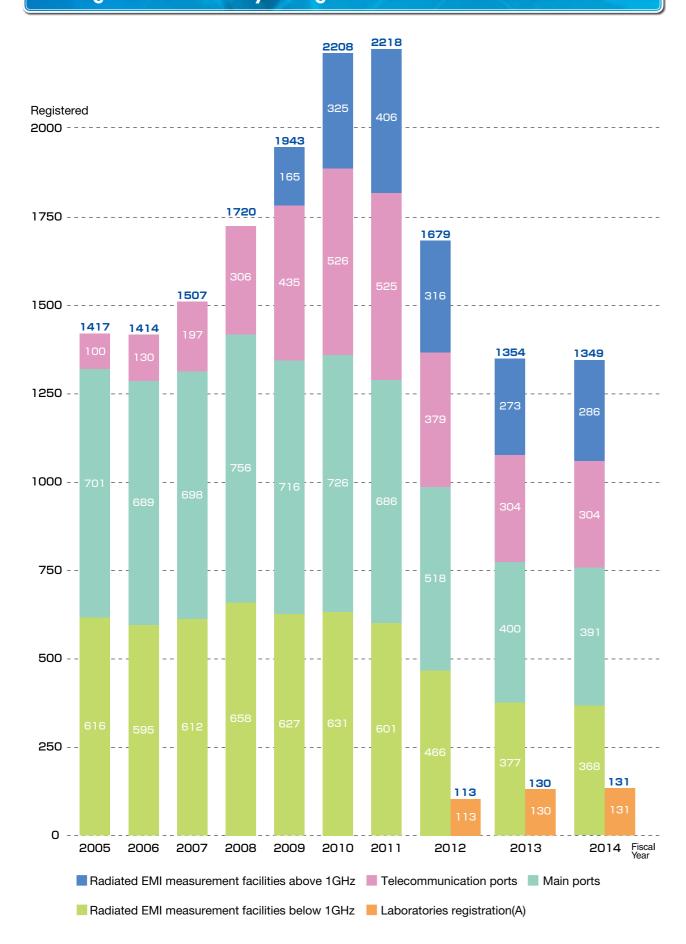
# **Market Surveillance Results**



# Change in the number of registered measurement facilities



# 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 cervices 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, IECEE 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

# **VCCI Member List**

#### **Regular Members**

#### <Japanese>

#### No. Company Name

[A]

2323 A.T. Works, Inc.

2478 A2 Corporation

1355 ABIT CORPORATION

1882 ADVA Optical Netwoking Corp.

1898 Advanced Communications Co., Ltd.

35 ADVANTEST CORPORATION

47 AIPHONE CO., LTD.

222 AISIN SEIKI CO., LTD.

2335 ALAXALA Networks Corporation

459 ALEXON CO., LTD.

1317 ALF INC.

231 Allied Telesis K.K.

3357 ALNETZ CO., LTD.

76 ALPS ELECTRIC CO., LTD.

43 ANRITSU CORPORATION

2676 ANRITSU NETWORKS CO., LTD.

218 AOI Development Center, Ltd.

3047 Array Corporation

2125 Artiza Networks, Inc.

3197 ASCON CO., LTD.

1795 Athena Smartcard Solutions, INC.

1489 ATM Japan Co, LTD. 2655 Atmark Techno, Inc.

3532 AUI Co., Ltd.

1399 AVAL NAGASAKI CORP.

1478 Avaya Japan Ltd.

1147 Axis Communications K.K.

348 B.U.G. MORI SEIKI CO., LTD.

3502 B.U.G. SST, Inc.

950 BANDAI CO., LTD.

2321 Barracuda Networks Japan K.K.

3477 Benesse Corporation

736 BILLCON CORPORATION

2993 BIOS Corporation 1680 BITS CO., LTD.

2957 Bktel Pacific Rim (Japan) Inc.

2683 BMT

913 Brains Corporation

2172 BROAD NET MUX CORPORATION

21 Brother Industries, Ltd.

933 BUFFALO INC.

## [C]

441 CANON ELECTRONICS INC.

1386 CANON FINETECH INC.

49 Canon Inc.

883 Canon Marketing Japan Inc.

90 Canon Production Printing Systems Inc.

3129 Cansystem Co., Ltd.

2864 Carestream Health Japan, Co., Ltd.

54 CASIO COMPUTER CO., LTD.

3228 Cathay Tri-Tech., Inc.

2977 CCP Co., Ltd.

2928 Cellcross Co., Ltd.

2395 Central Engineering Corporation

3555 CENTURY SYSTEMS Co., Ltd. 64 CHO ELECTRONICS CO., LTD.

220 CITIZEN SYSTEMS JAPAN CO., LTD.

3155 Clarion Co.,Ltd.

71 COMOTA CO., LTD.

3455 CONEXIO Corporation

2211 CONNECT CO., LTD.

1206 CONTEC CO., LTD.

3537 Corega Inc.

3232 CPI Technologies, Inc. 1231 CTCSP Corporation

[D]

178 D&M HOLDINGS, INC.

2803 Dai Nippon Printing Co., Ltd.

2839 Data Controls Inc.

1978 Datacard Japan Ltd

2496 DDS, Inc.

1758 DENSO WAVE INCORPORATED

2289 DION Corporation

3288 dit Co., Ltd.

2564 Ditect. Corporation

419 Duplo Seiko Corporation 3476 DX ANTENNA CO., LTD.

1026 Dyden Corporation

[E]

3378 e-Broad Communications Inc.

3432 eflow inc.

2176 Egenera, KK

3319 EHT Inc.

137 EIZO Corporation

3254 ELECOM CO., LTD.

1870 ELECS. INDUSTRY CO., LTD.

3334 ELIIY Power Co., Ltd.

3052 ELSA Japan Inc. 2861 Emerson Japan, Ltd.

3593 Empathy Co., Ltd.

1525 EPSON DIRECT CORPORATION

2299 e-trees. Japan, Inc

1091 EXCEL CO., LTD.

[F]

2680 Fanatic Computers Inc.

3576 Fibergate Inc.

101 FOSTER ELECTRIC CO., LTD.

3412 Freecom Technlogies K.K.

372 FUJI DENSHI KOGYO CO., LTD.

51 FUJI ELECTRIC CO., LTD.

2331 Fuji Electric Co., Ltd.

67 Fuji Xerox Co., Ltd. 118 FUJIFILM Corporation

670 FUJIFILM Imaging Systems Co., Ltd.

253 Fujikura Ltd. 3320 FUJISOFT INCORPORATED

1066 FUJITSU COMPONENT LIMITED

3386 FUJITSU COMPUTER TECHNOLOGIES LIMITED

1500 FUJITSU FRONTECH LIMITED

20 FUJITSU ISOTEC LIMITED

1833 FUJITSU KANSAI-CHUBU NET-TECH LIMITED

65 FUJITSU LIMITED

1650 FUJITSU NETWORK SOLUTIONS

66 FUJITSU TELECOM NETWORKS Limited

1614 Fukushima Iwatsu Co., Ltd.

34 FUNAI ELECTRONIC CO., LTD. 2722 FURUNO ELECTRIC CO., LTD.

1561 FURUNO SYSTEMS Co., Ltd.

2922 FUTEC INC

3355 FUTURE CONNECT, LTD.

1138 FXC Inc.

[G]

1526 GINGA SYSTEM CO., LTD.

707 GLORY AZ System Co., LTD.

95 GLORY LTD.

2979 Golden Micro Systems Co. 88 GRAPHTEC CORPORATION

1728 GREEN HOUSE CO., LTD.

3065 Gridmark Inc. 3508 groova Inc.

85 GS Yuasa International Ltd.

[H]

2242 hagiwara electric co., ltd

2837 Hagiwara Solutions co., Ltd. 2740 HARVEST CO., LTD.

6 Hewlett-Packard Japan, Ltd. 2701 HighTechSystem Co., Ltd.

198 HIRAKAWA HEWTECH CORP.

147 Hitach Metals, Ltd. 3572 Hitachi High-Tech Fine Systems

2916 Hitachi High-Tech Solutions Corporation

2549 Hitachi IE System Co., Ltd.

3273 Hitachi Industry & Control Solutions, Ltd.

1083 Hitachi Information & Communication Engineering, Ltd.

1596 Hitachi Keiyo Engineering & Systems, Ltd.

52 Hitachi Kokusai Electric Inc.

210 HITACHI MAXELL, LTD.

173 Hitachi Solutions, Ltd.

3255 Hitachi Systems Techno Services, Ltd.

2692 Hitachi Terminal Mechatronics, Corp

371 Hitachi USLI Systems Co., Ltd.

Hitachi, Ltd.

1850 Hitachi-LG Data Storage, Inc.

2347 Hitachi-Omron Terminal Solutions, Corp

3079 HOCHIKI CORPORATION

1518 Hosiden Corporation

3316 HOYA CORPORATION PENTAX Life Care Division

2629 HYTEC INTER Co., Ltd.

[1]

3269 iB Solution Co., Ltd.

23 IBM Japan, Ltd. 1329 ICOM Inc.

3438 iD corporation

131 IDEC AUTO-ID SOLUTIONS Corporation

3494 IDEC CORPORATION 560 Identive K.K.

3073 IDK Corporation

3153 IDX Company, Ltd.

151 Ikegami Tsushinki Co., Ltd.

1191 IMAGENICS. CO., LTD.

902 Imation Corporation Japan

3280 impactTV. INC

3493 INABA DENKI SANGYO CO., LTD.

808 iND Co., Ltd.

1429 Infinico Corporation

338 Intel K.K.

1326 I-O DATA DEVICE, INC.

826 IRIICHI TECHNOLOGIES INC.

946 ISA Co., Ltd.

1864 ISHIIHYOKI CO., LTD.

758 ITO ELECTRONIC INDUSTRY CO., LTD.

2978 ITUS Japan Co., Ltd

14 IWATSU ELECTRIC CO., LTD.

375 Janome Sewing Machine Co., Ltd. 262 Japan Aviation Electronics Industry, Limited

436 JAPAN CASH MACHINE CO., LTD.

874 Japan Electronics Ind., Inc.

96 Japan Radio Co., Ltd. 1836 Japan Telegartner Limited

460 JB Advanced Technology Corporation 30 JVC KENWOOD Corporation

[K]

2381 KABUTOYAMA WORKS CO., LTD

202 KAGA ELECTRONICS CO., LTD. 1488 Kanematsu Electronics Ltd.

229 KATSURAGAWA ELECTRIC CO.,LTD.

1609 Kawamura Electric Inc. 841 KDDI Corporation

1339 KEYENCE CORPORATION 1651 Keysight Technologies Japan G.K.

2816 King Tech Corp. 3256 KING TSUSHIN KOGYO CO.,LTD

865 KINGJIM CO., LTD.

3208 Kinkei System Corporation

539 Kobayashi Create Co., Ltd. 160 Kodak Alaris Japan Corporation

1699 KOGA ELECTRONICS CO. 1067 KOITO ELECTRIC INDUSTRIES, LTD.

888 KOKUYO S&T CO., LTD. 908 Konica Minolta Business Solutions Japan

Co., Ltd.

172 KONICA MINOLTA, INC. 2506 KOSHIN DENKI KOGYO CO., LTD.

2265 KUBOTEK CORPORATION 2537 Kumahira Co., Ltd.

1390 KUZUMI Electronics, Inc. 209 KYOCERA Document Solutions Inc.

[1]

2394 KYOKKO SEIKO CO., LTD. 2138 KYOWA TECHNOLOGIES CO., LTD

136 LAUREL BANK MACHINES CO., LTD. 2573 Laurel Intelligent Systems Co., Ltd.

2420 Lenovo (Japan) Ltd. 3611 Lenovo Enterprise Solutions Ltd. 3004 LET's corporation

102 Logitec Corporation

3266 Logitec INA Solutions Co., Ltd.

2948 MASA CORPORATION

3594 MASPRO DENKOH CORP.

1118 MAX CO., LTD.

2955 MC SECURITY Co., Ltd.

976 MegaChips Corporation

116 MEIDENSHA CORPORATION 2388 MEIKO ELECTRONICS CO., LTD. 1363 NIKON-TRIMBLE CO., LTD.

3308 Micro Solution CO., LTD.

2360 Miharu Communications Inc.

311 MIMAKI ENGINEERING CO., LTD.

312 MINATO ELECTRONICS INC. 512 MINEBEA CO., LTD. 344 MintWave Co., Ltd

1932 MITACHI CO., LTD.

MITSUBISHI CABLE INDUSTRIES, LTD. MITSUBISHI ELECTRIC CORPORATION

594 MITSUBISHI Electric Engineering Co., Ltd. 1646 Mitsubishi Electric Information Network

Corporation 2044 MITSUBISHI ELECTRIC SYSTEM & SERVICE

3050 Mitsubishi Paper Mills Limited 3557 mitsuboshi diamond industrial co., ltd.

214 MITSUI ZOSEN SYSTEMS RESEARCH INC. 584 MITSUMI ELECTRIC CO., LTD.

CO., LTD.

2031 MIWA LOCK CO., LTD. 282 MIYAKAWA ELECTRIC WORKS LTD. 3258 mofiria Corporation

3237 MOL JAPAN CORPORATION

MURATA MACHINERY, LTD.

204 MUTOH INDUSTRIES, LTD.

2406 MRY inc.

82 NAGANO JAPAN RADIO CO., LTD.

123 Murata Manufacturing Co., Ltd.

2505 NAGATSUKA

1163 NAKAJIMA ALL PRECISION CO., LTD.

3546 NANABOSHI ELECTRIC MFG. CO., LTD.

716 NAGOYA ELECTRIC WORKS CO., LTD. 3290 NAITO DENSEI MACHIDA MFG. CO., LTD.

146 NAKAYO, INC.

126 NCR Japan Ltd. 2196 NCR Services Japan, Ltd

248 NEC Access Technica, Ltd. 1901 NEC Communication Systems, Ltd.

1394 NEC Display Solutions, Ltd.

2729 NEC Magnus Communications

2644 NEC Solution Innovators, Ltd.

3296 NEC Embedded Products, Ltd. 1238 NEC Engineering, Ltd.

**NEC Corporation** 

2862 NEC Nagano, Ltd. 1781 NEC Networks & System Integration Corporation

567 NEC Personal Computers, Ltd. 25 NEC Platforms, Ltd.

3583 NEC TOKIN Corporation

729 neix, Inc.

825 NetComSec Co. Ltd.

2838 NETWORK VALUE COMPONENTS LTD.

498 NEWTECH CO., LTD.

450 NHK SPRING CO., LTD. 1566 Nichigaku Co., Ltd.

128 NIDEC COPAL CORPORATION

2989 NIDEC SANKYO CORPORATION 2807 NIE Co., Ltd.

130 Nihon Unisys, Ltd.

356 NIKON CORPORATION

1671 NIKON VISION CO., LTD.

119 NINTENDO CO., LTD.

2221 NIPPON ANTENNA CO., LTD

547 NIPPON AVIONICS CO., LTD. 953 Nippon Chemi-Con Corporation

621 NIPPON CONLUX CO., LTD.

844 Nippon Printer Eng. Inc. 637 NIPPON SYSTEMS DEVELOPMENT Co., Ltd. 279 NIPPON TELEGRAPH AND TELEPHONE

CORPORATION (NTT) 1303 NIPPON TELEGRAPH AND TELEPHONE

1278 NIPPON TELEGRAPH AND TELEPHONE

WEST CORPORATION 186 Nisca Corporation

3348 NISSIN SYSTEMS Co., LTD.

EAST CORPORATION

3511 Nokia Solutions and Networks Japan Corp

1275 NTT Communications Corporation

3506 NORITAKE ITRON CORPORATION 394 NTT Advanced Technology Corporation

329 NTT DATA CORPORATION 79 NTT DATA CUSTOMER SERVICE

CORPORATION

457 NTT Electronics Corporation 3088 NTT FIELDTECHNO CORPORATION

[O]

307 Oki Communication Systems Co., Ltd.

443 OA LABORATORY CO., LTD. 3284 OFFICE24 CO., LTD.

197 Oi Electric Co., Ltd.

624 Oki Data CORPORATION

Oki Electric Industry Co., Ltd.

2322 OLYMPUS IMAGING CORP. 56 OMRON Corporation

2857 OMRON HEALTHCARE CO., LTD. 1198 ONKYO CORPORATION 1812 OPTOELECTRONICS Co., Ltd.

3485 ORIENT ENTERPRISE CO., LTD.

15 Panasonic Corporation

[P]

138 Panasonic Healthcare Co., Ltd. 3397 Panasonic Precision Device Co., Ltd.

1780 Panasonic Eco Solutions Networks Co., Ltd.

223 Oracle Information Systems (Japan) G.K.

17 Panasonic System Networks Co., Ltd 3366 PayPal Pte. Ltd. Tokyo Branch

2234 PENTEL Co., Ltd. 144 PFU Limited

302 PHOTORON Ltd.

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104 PicoCELA Inc.	2868 SHOFU INC.	3459 Toshiba Global Commerce Solutions	3522 Acano (UK) Ltd (U.K.)	2123 Belkin International, Inc. (USA)	3045 Delta Networks, INC. (CHINESE TAIPEI)
1 PIONEER ELECTRONIC CORPORATION	1922 SIGMA CORPORATION	Holdings Corporation	1170 Acbel Polytech Inc. (CHINESE TAIPEI)	676 Benq Corporation. (CHINESE TAIPEI)	2754 Dialogic (US) Inc. (USA)
448 Pixela Corporation	2343 SII Data Service Corp.	1939 TOSHIBA LIFESTYLE PRODUCTS &	3314 Accedian Networks Inc. (CANADA)	2964 BizLink Technology Inc (USA)	671 Digi International Inc (USA)
364 Planex Communications, Inc.	2556 SII Network Systems Inc.	SERVICES CORPORATION	379 ACCTON Technology Corp. (CHINESE TAIPEI)	3509 BLOOMBERG L.P. (USA)	3361 DIGIEVER CORPORATION (CHINESE TAIPEI)
628 Plat' Home Co., Ltd.	434 silex technology, Inc.	3403 TOSHIBA LIGHTING & TECHNOLORY	215 Acer Incorporated (CHINESE TAIPEI)	1130 Blue Coat Systems, Inc. (USA)	3422 DIGITAL VIEW LTD. (HONG KONG)
45 PLUS Corporation	153 SINFONIA TECHNOLOGY Co., LTD.	CORPORATION	2353 A-DATA Technology Co., Ltd(CHINESE TAIPEI)	3488 Bluebird Inc. (KOREA)	1461 DIVA Laboratories Ltd. (CHINESE TAIPEI)
605 PLUSONE MARKETING LTD.	2093 Sknet Corporation Ltd.	5 TOSHIBA PERSONAL COMPUTER SYSTEM	3515 Adtran Inc. (USA)	3615 b-plus GmbH (GERMANY)	448 D-Link Corporation (CHINESE TAIPEI)
661 Primagest, Inc.	795 SMK CORPORATION	CORPORATION	2085 ADVAN INT'L CORP. (KOREA)	1809 Broadcom Corporation (USA)	3326 DMX, Inc. (USA)
041 Princeton Ltd.	3006 SOFTBANK BB Corp	244 Toshiba Solutions Corporation	2952 Advanced Card Systems Limited (HONG KONG)	2766 Brocade Communications Systems Inc. (USA)	1943 Dot Hill Systems, Corp. (USA)
	3247 SOFTBANK MOBILE Corp.	48 TOSHIBA TEC CORPORATION	1320 ADVANTECH CO., LTD. (CHINESE TAIPEI)	2856 Burroughs Payment Systems Inc. (USA)	2824 Drobo, Inc. (USA)
[Q]	3510 SONICGUARD Co., Ltd.	164 TOTOKU ELECTRIC CO., LTD.	3487 Aerohive Networks, Inc. (USA)	3184 BYD Precision Manufacture Co., Ltd. (CHINA)	1686 DXG Technology Corp. (CHINESE TAIPEI)
471 QUADRAC Co., Ltd.	856 Sony Computer Entertainment Inc.	797 Touch Panel Systems K.K.	3424 Affirmed Networks, Inc. (USA)		
651 Qualica Inc.	93 SONY CORPORATION	7 Toyo Networks & Systems Integration Co., Ltd.	3526 AHNLAB, INC. (KOREA)	[C]	[E]
203 QUIXUN PRODUCTS CO., LTD.	3620 Sony Mobile Communications Inc.	3321 Toyota Media Service Corporation	3381 AIC Inc. (CHINESE TAIPEI)	2135 CANON ELECTRONIC BUSINESS	686 Eaton Corporation (USA)
	269 SORITON SYSTEMS K.K.	3585 TOYOTA TSUSHO CORPORATION	3566 Ai-Logix (Asia) Limited (CHINA)	MACHINES (H.K.) CO., LTD. (HONG KONG)	2128 Echelon Corporation (USA)
[R]	521 SOSHIN ELECTRIC CO., LTD.	3018 Transaction Media Networks Inc.	3419 AlSolution (KOREA)	3630 Canon Korea Business Solutions Inc. (KOREA)	2628 Edgewater Networks Inc. (USA)
63 RATOC Systems, Inc.	3363 Spectronix Co., Ltd.	3382 Transcend Japan Inc.	3201 AJA Video Systems Inc. (USA)	1750 Carry Technology Co., Ltd. (CHINESE TAIPEI)	1482 Edimax Technology Co., Ltd. (CHINESE TAIPEI)
760 Renesas Electronics Corporation	180 STAR MICRONICS CO., LTD.	2269 Transtron Inc.	308 Alcatel-Lucent (USA)	2354 CastleNet Technology Inc. (CHINESE TAIPEI)	537 Electronics for Imaging, Inc. (USA)
347 Renesas Solutions Corp.	2575 StoreNet Corp.	2309 Trend Micro Incorporated	3631 Aldebaran Robotics (FRANCE)	3449 Castles Technology Co., Ltd. (CHINESE TAIPEI)	3608 Elgato Systems GmbH (GERMANY)
6 Ricoh Co., Ltd.	165 SUMITOMO ELECTIRC SYSTEM	3344 TSUZUKI DENKI CO., LTD.	3554 Aliphcom (a.k.a., Jawbone) (USA)	3514 CASWELL, INC. (CHINESE TAIPEI)	877 Elitegroup Computer Systems Co., Ltd.
90 RICOH IMAGING COMPANY, LTD.	SOLUTIONS CO., LTD.		518 Allied Telesis Inc. (USA)	3035 CCIC Southern Electronic Product Testing	(CHINESE TAIPEI)
8 RICOH INDUSTRY CO., LTD.	97 SUMITOMO ELECTRIC INDUSTRIES, LTD.	[U]	2383 Alpha Networks Inc. (CHINESE TAIPEI)	(Shenzhen) Co., Ltd. (CHINA)	1322 EMC Corporation (USA)
774 Ricoh Production Print Solutions Japan	1959 Sumitomo Eletric Networks, Inc.	907 UCHIDA YOKO CO., LTD.	3392 AM TECH Co., Ltd. (KOREA)	3028 Cell Technology Limited (HONG KONG)	2276 Emerson Network Power Product Testing
Company, Ltd.	3600 Sumitomo Precistion Products Co., LTD.	582 UMEZAWA TECHNICAL LABORATORY CO., LTD.	1565 AMD (CANADA)	3590 CELOT wireless CO., LTD (KOREA)	Services (USA)
263 Rida Co., Ltd.	1197 Sumitomo Wiring Systems, Ltd.	2045 UNIADEX, Ltd.	400 American Power Conversion Corp. (USA)	2015 Check Point Software Technologies Ltd. (ISRAEL)	1068 Emulex Corporation (USA)
75 RISO KAGAKU CORPORATION	1001 SUN CORPORATION	3202 Unipulse Corporation	2988 Amphenol Corporation - Amphenol Assemble	2974 Chelsio Communications, Inc. (USA)	3469 Enseo (USA)
9 ROLAND DG CORPORATION	3085 Symantec Japan, Inc	3144 Unitech Japan co., Ltd.	Tech Division (USA)	1638 Cheng Uei Precision Industry Co., Ltd. (CHINESE TAIPEI)	3457 Ergotron, Inc. (USA)
708 Routrek Networks, Inc.	704 SYSCOM LTD.	2087 UNITEX Corporation	2873 Ampronix Inc. (USA)	882 CHICONY ELECTRONICS CO., LTD. (CHINESE TAIPEI)	1080 EtherWAN Systems Inc. (CHINESE TAIPEI)
573 RYOWA ELECTRONICS CO., LTD.	473 SYSMEX RA CO., LTD.	•	683 Amtran Technology Co., Ltd. (CHINESE TAIPEI)	3305 CHRISTIE DIGITAL SYSTEMS CANADA INC. (CANADA)	2732 EVOLIS (FRANCE)
	3534 SYSTEM IO Co., Ltd.	[V]	2944 Anoto AB (SWEDEN)	2846 Ciena (USA)	2889 ExaGrid Systems, Inc. (USA)
[S]	3570 Systemk Corporation	3578 VAIO Corporation	2656 Applanix Corporation (CANADA)	493 Cisco Systems, Inc. (USA)	1406 Extreme Networks, Inc. (USA)
043 SANDEN CORPORATION	,	2109 VarioSecure Inc.	482 Apple, Incorporated (USA)	3190 Citrix Systems, Inc. (USA)	3564 Extricom Ltd. (ISRAEL)
51 SANEI ELECTRIC INC.	[T]	3426 V-net Corporation Limited	3541 AppNeta, Inc. (USA)	702 CLEVO CO. (CHINESE TAIPEI)	3524 Extron Electronics (USA)
3 SANKEN ELECTRIC CO., LTD.	606 TAIYO SEIKI COMPANY., LTD.		2431 Apricorn, Inc. (USA)	989 Clientron Corp. (CHINESE TAIPEI)	2969 Eye-Fi, Inc. (USA)
881 SANWA SUPPLY INC.	163 TAIYO YUDEN CO., LTD.	[W]	3027 Arista Networks, Inc. (USA)	3398 CloudShield Technologies, Inc. an SAIC company (USA)	5,5 1 ,
93 Sanyo Chemical Co., Ltd.	283 TAKACOM CORPORATION	177 Wacom Co., Ltd.	1627 ARRAY NETWORKS, INC. (USA)	3259 Clustrix, Inc. (USA)	[F]
20 SANYO DENKI CO., LTD.	326 TAKAMISAWA CYBERNETICS CO., LTD.	3495 Welcat Inc.	2084 Arris Group, Inc. (USA)	3588 Coho Data, Inc. (USA)	1440 F5 Networks, Inc. (USA)
9 SANYO Techno Solutions Tottori CO., Ltd.	2847 TAKASAGO LTD.	2515 welltone Co.	2075 Aruba Networks, Inc. (USA)	3443 Colortrac Ltd (CHINA)	1926 FIMI s.r.l. (ITALY)
55 SATO CORPORATION	3451 TAKEMOTO DENKI CORPORATION	3293 WHITE BUSINESS INITIATIVE Co.	2148 Asian Power Devices Inc. (CHINESE TAIPEI)	297 Compal Electronics, Inc. (CHINESE TAIPEI)	1925 FIRICH ENTERPRISES CO. LTD. (CHINESE TAIPEI)
27 SAXA, Inc.	2691 TAKENAKA ENGINEERING CO., LTD.		1285 ASKEY COMPUTER CORP. (CHINESE TAIPEI)	3478 Connected Data, Inc. (USA)	2823 Flextronics International (Taiwan) Ltd.
331 SCALAR Corporation	1973 TAMURA CORPORATION	[Y]	3504 Aspect Software, Inc. (USA)	3486 CONTEC DTx INC. (USA)	(CHINESE TAIPEI)
51 SCREEN Graphic and Precision Solutions	206 TATSUNO CORPORATION	22 YAMAHA CORPORATION	2208 Astec International Limited (HONG KONG)	2240 Contela, Inc. (KOREA)	3589 FLIR COMMERCIAL SYSTEMS, INC. (USA)
Co., Ltd.	18 TB GROUP INC.	3287 YAMASHITA SYSTEMS Corp.	1011 ASUSTek Computer Inc. (CHINESE TAIPEI)	2945 Contex A/S (DENMARK)	2918 Fluke Networks, a division of Fluke
40 SECURE-TECH CORPORATION	39 TDK CORPORATION	2292 YASUKAWA INFORMATION SYSTEMS	2463 Atech Flash Technology, Inc. (USA)	3518 Corero Network Security (USA)	Electronics Corporation (USA)
346 Seedsware Corporation	3137 TDK-EPC Corporation	Corporation	1149 Aten International Co., Ltd. (CHINESE TAIPEI)	779 Coretronic Corporation (CHINESE TAIPEI)	3233 FON Wireless Ltd. (SPAIN)
5 SEIKO EPSON CORPORATION	75 TEAC CORPORATION	150 YAZAKI CORPORATION	3553 Atop Technologies, Inc. (CHINESE TAIPEI)	3622 Coriant Oy (FINLAND)	1977 Fortinet, Inc. (USA)
469 Seiko I Infotech Inc.	3411 Tech Trex Inc. Japan	103 Y-E DATA INC.	3124 ATP Electronics Taiwan Inc. (CHINESE TAIPEI)	3276 Costel co., ltd (KOREA)	2247 Foxlink Technology Ltd (HONG KONG)
0 Seiko Instruments Inc.	2449 Techno Link Co., Ltd.	2366 YEC, CO., LTD.	3464 Atrust Computer Corp. (CHINESE TAIPEI)	3458 Cray Inc. (USA)	3294 Fujian Centerm Information co., Ltd. (CHINA)
0 SEIKO PRECISION INC.	2231 Technology Link Corporation	2931 YKD CO., LTD.	3222 ATTO Technology, Inc. (USA)	3551 Crestron Electronics, Inc. (USA)	1468 Fujitsu Technology Solutions GmbH (GERMANY)
484 SEIKO Solutions Inc.	3267 TechnoMatrYx Inc.	3185 Yokogawa Meters & Instruments	2097 Audiocodes LTD. (ISRAEL)	1176 CrossRoads Systems, Inc. (USA)	3122 Fusion-io, Inc. (USA)
568 SEIKO TIME SYSTEMS INC.	2510 TELEFORCE CO., LTD.	Corporation	3548 Aurora Multimedia Corp. (USA)	2669 CS Corporation (KOREA)	Tusion 10, Inc. (03/1)
602 SEITEC CO., LTD.	3400 TELESYSTEMS CO., LTD.	12 YUTAKA ELECTRONIC MFG. CO., LTD.	3530 Aurora Networks, Inc., A Pace Company (USA)	2871 CTC Union Technologies Co., Ltd. (CHINESE TAIPEI)	[G]
77 SEIWA ELECTRIC MFG CO., LTD.	174 TERAOKA SEIKO CO., LTD.	12 TOTALKA ELECTRONIC WII G. CO., ETD.	2888 AVer Information Inc. (CHINESE TAIPEI)	3383 CYAN (USA)	3352 Gechic Corporation (CHINESE TAIPEI)
92 SEKISUI CHEMICAL CO., LTD.	830 THE FURUKAWA ELECTRIC CO., LTD.	[Z]	3244 Avere Systems, Inc. (USA)	2499 Cyber Power Systems, Inc. (CHINESE TAIPEI)	1524 GEMALTO SA (FRANCE)
14 SEKONIC CORPORATION	3516 TKR CORPORATION	3394 ZOOM CORPORATION	1933 AVerMedia Technologies Inc. (CHINESE TAIPEI)	Cyber rower systems, inc. (Crimese TAIREI)	3375 Gemtek Technology Co., Ltd. (CHINESE TAIPEI)
3 Sharp Corporation	179 TOEI ELECTRONICS CO., LTD.	404 ZUKEN ELMIC, Inc.	3230 Avid Technology, Inc. (USA)	[D]	3475 GENBAND US LLC (USA)
		· · · · · · · · · · · · · · · · · · ·		2486 D&T Inc. (KOREA)	
338 SHIBUTANI CO., LTD.	3624 TOHOKU TKR corporation	<overses:< td=""><td></td><td>3248 DAEHAP HYPER-TECH CO., LTD (KOREA)</td><td>,</td></overses:<>		3248 DAEHAP HYPER-TECH CO., LTD (KOREA)	,
	2490 TOMY Company, Ltd. 2867 TOPPAN FORMS CO., LTD.	<overseas></overseas>	585 AVOCENT CORPORATION (USA)		1559 GIGA-BYTE TECHNOLOGY CO., LTD.
167 Shin Shin Co., Ltd.	AVVI IVEEDINI UDIVI I U. I III.	No. Company Name		2033 DASAN Networks, Inc. (KOREA)	(CHINESE TAIPEI)
93 Shindengen Electric Manufacturing Co., Ltd.	,	ΓΛΊ	רמן	3251 DataDirect Notworks Inc. (LICA)	3560 Globalscale Technologies Inc. (Chan-har)
93 Shindengen Electric Manufacturing Co., Ltd. 074 SHINJUKU JAPANESE LANGUAGE INSTITUTE	2047 Toppan Printing Co., Ltd.	[A] 2548 A10 Notworks Inc. (USA)	[B]	3251 DataDirect Networks, Inc. (USA)	3560 Globalscale Technologies, Inc. (Shenzhen)
93 Shindengen Electric Manufacturing Co., Ltd. 074 SHINJUKU JAPANESE LANGUAGE INSTITUTE 3 SHINKO SEISAKUSHO CO., LTD.	<ul><li>2047 Toppan Printing Co., Ltd.</li><li>1669 Topre Corporation</li></ul>	2548 A10 Networks, Inc. (USA)	3406 B&S Media Co., Ltd. (KOREA)	527 Dell Inc. (USA)	(CHINA)
93 Shindengen Electric Manufacturing Co., Ltd. 074 SHINJUKU JAPANESE LANGUAGE INSTITUTE	2047 Toppan Printing Co., Ltd.				• • • • • • • • • • • • • • • • • • • •

3179 GS Instruments Co., Ltd.	(KOREA)	[L]	1961 NEXCOM International Co., LTD. (CHINESE TAIPEI)	[R]	2883 Sysgration Ltd. (CHINESE TAIPEI)	3123 WORLDVIEW TECHNOLOGY CORP.
3225 Guillemot Corporation S.A	(FRANCE)	2152 Lantronix (USA)	3033 NEXTLINK Co., LTD (KOREA)	3430 RAD Data Communications Ltd. (ISRAEL)		(CHINESE TAIPEI)
		3500 Lastar Inc. (USA)	3448 Nimble Storage (USA)	2956 RadiSys Corporation (USA)	[T]	
[H]		3454 LC Future Center Limited Taiwan Branch	3139 NT-ware Systemprogrammierung GmbH	2407 Radware Ltd. (ISRAEL)	3271 TA Technology (Shanghai ) Co.,Ltd(CHINA)	[X]
1919 Handlink Technologies Inc. (C	CHINESE TAIPEI)	(CHINESE TAIPEI)	(GERMANY)	1895 Raritan International B.V. Taiwan Branch	3175 Taiwan BOE Vision-electronic Technology	3359 XAC Automation Corporation (CHINESE TAIPEI)
2791 Handreamnet Co., Ltd.	(KOREA)	740 LEADTEK RESEARCH INC (CHINESE TAIPEI)	1904 NueTeq Technology, Inc. (CHINESE TAIPEI)	(CHINESE TAIPEI)	Co., Ltd. (CHINESE TAIPEI)	2827 Xerox Corporation (USA)
2608 Hangzhou H3C Technologies Co	o., Ltd. (CHINA)	3474 Leap Motion, Inc. (USA)	3336 Nutanix, Inc. (USA)	3437 RF IDeas, Inc. (USA)	1078 Tandberg Data GmbH (GERMANY)	3549 XNsystems (KOREA)
3601 Hanshin Information Technology C	Co., Ltd. (KOREA)	1342 LEICA CAMERA AG (GERMANY)	1423 NVIDIA CORPORATION (USA)	2715 RF Window (KOREA)	224 Tatung Company (CHINESE TAIPEI)	3538 XYZprinting, Inc. (CHINESE TAIPEI)
3599 HappyOrNot Ltd.	(FINLAND)	714 LenovoEMC, Ltd. (USA)		2377 Rimage Corporation (USA)	3408 TECO Image Systems Co., Ltd(CHINESE TAIPEI)	
1918 HARMONIC INC.	(USA)	674 Lexmark International, Inc. (USA)	[O]	2529 Riverbed Technology (USA)	3023 Tektronix Communications (USA)	[Y]
3059 HID Global Corporation	(USA)	256 LG Electronics Inc. (KOREA)	3261 Oce Technologies B.V. (THE NETHERLANDS)	3421 ROAM Data Inc. (USA)	3483 Tellabs Inc (USA)	3229 YOUNG Lighting Technology Inc. (CHINESE TAIPEI)
3629 Hisense International Co., Lt	d (CHINA)	2481 LifeSize Communications (USA)	2251 Olympus Technologies Singapore Pte Ltd	3076 Robert Bosch Taiwan Co., Ltd. (CHINESE TAIPEI)	2943 Teradata Corporation (USA)	2850 YOUNGWOO TELECOM INC. (KOREA)
3372 Hitachi Data Systems Corpo	ration (U.K.)	3497 Linear Technology (USA)	(SINGAPORE)	3389 RSUPPORT CO., LTD. (KOREA)	3120 Thecus Technology Corp. (CHINESE TAIPEI)	
2636 Home Control Singapore Pte	e Ltd	495 Lite On Technology Corp. (CHINESE TAIPEI)	3550 Opengear Inc (USA)	2480 Ruckus Wireless, Inc. (USA)	2645 Thomson Video Networks (FRANCE)	[Z]
	(SINGAPORE)	3214 LITE-ON IT Corporation (CHINESE TAIPEI)	2559 Optica Technologies Inc. (USA)		3005 TIBCO Software Inc. (USA)	2787 Zalman Tech. Co., Ltd. (KOREA)
1724 HON HAI PRECISION IND. CO	O., LTD.	532 Logitech Inc. (USA)	241 Oracle America, Inc. (USA)	[S]	3466 Tigo Energy, Inc. (USA)	1143 Zebra Technologies Corporation (USA)
(0	CHINESE TAIPEI)	687 LSI Corp. (USA)	2892 Oracle/Acme Packet (USA)	2469 SAE Technologies Development (Dongguan)	3626 Tobii Technology AB (SWEDEN)	1229 ZEBRA TECHNOLOGIES CORPORTAION (USA)
3235 Honeywell Scanning & Mobi	ility (USA)	2230 Luidia Inc (USA)	3489 Orbotix, Inc. dba Sphero (USA)	Co., Ltd. Chang An Branch (CHINA)	1601 Top Victory Electronics (Taiwan) Co., Ltd.	2462 ZF Electronics Corporation (USA)
3582 Honeywld Technology Corp. (C	CHINESE TAIPEI)	3567 Luxshare Precision Industry Co., Ltd.	3062 Orion Technology Co., Ltd. (KOREA)	927 Samji Electronics Co., Ltd. (KOREA)	(CHINESE TAIPEI)	636 ZF Friedrichshafen AG (GERMANY)
3385 Hon-Kwang Electric Co., Ltd. (C	CHINESE TAIPEI)	(CHINESE TAIPEI)	577 Overland Storage Inc. (USA)	2750 SAMPO Corporation Ltd (CHINESE TAIPEI)	2229 Toshiba Samsung Storage Technology	339 ZHONE TECHNOLOGIES (USA)
1968 Huawei Technologies CO., L	TD. (CHINA)	3616 Lynx Innovation Ltd (CHINA)		271 SAMSUNG ELECTRONICS Co.,Ltd. (KOREA)	Korea Corporation (KOREA)	3556 ZhuHai FTZ Oplink Communications, Inc. (CHINA)
3625 HUMAX Co., Ltd.	(KOREA)		[P]	3055 Samsung SDS CO., LTD. (KOREA)	3401 TPV-INVENTA TECHNOLOGY CO., LTD.	3499 ZIN CORPORATION Co., Ltd. (KOREA)
3527 Hung Wai Products Ltd (	HONG KONG)	[M]	2471 Packet Design, LLC (USA)	2168 SanDisk IL (ISRAEL)	(CHINESE TAIPEI)	3521 ZOTAC International (Macao Commercial
1715 HYUNDAI IBT CORP.	(KOREA)	3133 Mad Catz Interactive Asia Limited Inc., (USA)	3441 Palo Alto Networks Inc (USA)	3627 Sanmina Corp (USA)	3542 TransAct Technologies Incorporated (USA)	Offshore) Limited (HONG KONG)
3580 HYUNDAI IT CO., LTD.	(KOREA)	1133 Magic Control Technology Corporation	3434 Panasas, Inc. (USA)	3501 Sanmina Corporation dba Viking Technology (USA)	1215 Tributary Systems, Inc. (USA)	3354 ZTE Corporation (CHINA)
3365 HYUNDAI MEDIA Co., Ltd.	(KOREA)	(CHINESE TAIPEI)	2372 Panduit Corp. (USA)	3496 Savant Systems LLC (USA)	3563 Tripwire Inc. (USA)	2596 Zylux Acoustic Corporation (CHINESE TAIPEI)
		2105 Malvern Instruments Limited (U.K.)	3395 ParTech Inc. (USA)	3180 Scale Computing, Inc (USA)	3565 Twinhead International Corp. (CHINESE TAIPEI)	
[1]		359 Matrox Electronic Systems (CANADA)	1808 PARTNER TECH CORP. (CHINESE TAIPEI)	3597 SDJ Technologies, Inc, dba, Monster Digital (USA)		
3031 I/O INTERCONNECT INC.	(CHINA)	3278 MBX Systems (USA)	3360 PC WORTH INT'L CO., LTD. (CHINESE TAIPEI)	1416 Seagate Systems (UK) Ltd (U.K.)	[U]	Comparting Marchana
3021 iCube Co., Ltd.	(KOREA)	1090 McAfee, Inc. (USA)	2869 PEGATRON CORPORATION (CHINESE TAIPEI)	3046 Seagate Technology (USA)	3609 UGREAT ELECTRONIC CO., LTD (CHINESE TAIPEI)	Supporting Members
1737 IEI Integration Corp. (CH	HINESE TAIPEI)	2863 Mellanox Technologies, Ltd. (ISRAEL)	3536 Pen Generations, Inc. (KOREA)	2552 SEH Computertechnik GmbH (GERMANY)	2901 Ulticom Inc. (USA)	<japanese></japanese>
1272 IIYAMA CORPORTION (THE N	IETHERLANDS)	3442 Meraki, Inc. (USA)	2614 Philips & Lite-On Digital Solutions Corp.	2788 SEHA Electronics and Telecommunications	886 Universal Global Scientific Industrial Co., Ltd.	No. Company Name
2368 Imaging Business Machines,	, LLC (USA)	2424 Meru Networks, Inc. (USA)	(CHINESE TAIPEI)	Co., Ltd. (KOREA)	(CHINESE TAIPEI)	[A]
3591 Imperva, Inc.	(ISRAEL)	3612 Meta Company (USA)	2181 PIOLINK, Inc. (KOREA)	3239 SendTek Corporation (CHINESE TAIPEI)	1792 UTStarcom Telecom Co., Ltd. (CHINA)	3196 ANRITSU CUSTOMER SUPPORT CO., LTD.
2664 Infinera Corporation	(USA)	2694 Micron Consumer Products Group, Inc. (USA)	3335 Pioneer POS Solution, Inc. (USA)	481 SerComm Corporation (CHINESE TAIPEI)		2763 Astronaut CO., LTD.
3192 INFINITT Healthcare Co., Ltd	l. (KOREA)	3102 Micron Technology, Inc. (USA)	3492 piQx Imaging Pte. Ltd. (SINGAPORE)	3219 Shenzhen Bitland Information	[V]	
2472 INFOBLOX	(USA)	1639 Microsemi (ISRAEL)	2524 Plantronics Inc. (USA)	Technology Co., Ltd. (CHINA)	3161 Valcretec Inc. (KOREA)	[C]
3460 Interconnect System Inc.	(USA)	768 MICROSOFT CORPORATION (USA)	1017 Plustek Inc. (CHINESE TAIPEI)	3547 Shenzhen Neostra Technology Co., Ltd. (CHINA)	3003 ViaSat, Inc. (USA)	884 Canon Imaging Systems Inc.
3519 Interface Masters Technologi	ies, Inc. (USA)	1573 Micro-Star International Co., Ltd.	748 PMC-Sierra, Inc. (USA)	3618 Shuttle Inc. (CHINESE TAIPEI)	2595 ViaScope Inc. (KOREA)	1192 Chiba Industry Advancement Center
476 Interphase Corporation	(USA)	(CHINESE TAIPEI)	3480 POINT MOBILE CO., LTD (KOREA)	1591 SIIG, Inc. (USA)	2963 Vidyo, Inc. (USA)	Toukatsu Techno Plaza
378 Inventec Corporation (CH	HINESE TAIPEI)	1433 MITAC COMPUTING TECHNOLOGY CORPORATION	578 Polycom, Inc. (U.K.)	2306 Silicom Ltd. (ISRAEL)	3613 ViewSonic International Corporation	1846 Chokuan Information and Industry
2947 IPEVO corp (CH	HINESE TAIPEI)	(CHINESE TAIPEI)	3559 Portwell, Inc. (CHINESE TAIPEI)	286 Silicon Graphics International Corporation (USA)	(CHINESE TAIPEI)	Development Association
2246 Isilon Systems Inc.	(USA)	1896 MitraStar Technology Corporation (CHINESE TAIPEI)	3621 Powa Technologies Group PLC (U.K.)	2535 Silver Peak Systems, Inc. (USA)	3194 Vigilent Corporation (USA)	755 COSMOS CORPORATION
·		3036 Modacom Co., Ltd. (KOREA)	3146 Power Quotient International Co., Ltd.	3131 SK hynix Inc. (KOREA)	3277 Violin Memory, Inc. (USA)	
[J]		3388 MONEUAL INC. (KOREA)	(CHINESE TAIPEI)	2835 Sling Media, Inc. (USA)	3439 Virtual Instruments Corporation (USA)	[E]
3610 Jabil Circuit (Shanghai) Ltd.	(CHINA)	754 MONTEREY INTERNATIONAL CORP.	2062 POWERCOM CO., LTD. (CHINESE TAIPEI)	1960 SMART Modular Technologies, Inc. (USA)	3203 Vitec Multimedia (FRANCE)	997 E & C Engineering K.K.
2757 JDSU Corp.	(USA)	(CHINESE TAIPEI)	3374 Pride Tech Corporation (CHINESE TAIPEI)	2501 SMART Technologies ULC (CANADA)	2443 VIVOTEK INC. (CHINESE TAIPEI)	1263 Ehime Institute of Industrial Technology
1164 Juniper Networks, Inc.	(USA)	3490 Motorola Mobility LLC (USA)	851 Primax Electronics Ltd. (CHINESE TAIPEI)	3607 SMAX Technology Co., Ltd. (CHINESE TAIPEI)	2409 Vocollect, Inc. (USA)	259 EMC Japan Corporation
		3529 MOXA INC. (CHINESE TAIPEI)	1910 PROMISE TECHNOLOGY, INC. (CHINESE TAIPEI)	3384 SMEC CO., LTD (KOREA)	3291 Voyetra Turtle Beach, Inc. (USA)	300 e-OHTAMA, LTD.
[K]		3491 MTI Co., LTD (KOREA)	3297 Propellerhead Software AB (SWEDEN)	2597 Solace Systems, Inc. (CANADA)	3125 Vuzix Corporation (USA)	1906 ETS-Lindgren Japan, Inc.
3339 Katron Technologies Inc. (CH	HINESE TAIPEI)	775 Mustek Systems Inc. (CHINESE TAIPEI)	2716 Psi Laser GmbH (GERMANY)	3279 Solarflare Communications Inc (U.K.)	·	<b>5</b> • • •
3325 Kent Displays, Inc.	(USA)	•	3429 Pure Storage Inc (USA)	794 SOLID YEAR CO.,LTD. (CHINESE TAIPEI)	[W]	[F]
3156 KIC SYSTEMS Co., Ltd	(KOREA)	[N]	3	3158 SOLID, Inc. (KOREA)	1281 WatchGuard Technologies, Inc. (USA)	2865 FUJIFILM Techno Products Co., Ltd.
2845 Kingston Digital, Inc.	(USA)	3415 Ncomputing Co., Ltd (KOREA)	[Q]	281 Sonus Networks, Inc. (USA)	2432 Western Digital Technologies, Inc. (USA)	1115 FUJITSU GENERAL EMC LABORATORY
3617 Kinoma, Inc.	(USA)	3002 NDS Surgical Imaging (USA)	2841 Qisda Corporation (CHINESE TAIPEI)	1558 Sonus Networks, Inc. (USA)	2274 Whalley Computer Associates, Inc. (USA)	LIMITED
3340 Kisan Telecom Co., Ltd.	(KOREA)	3535 Neophotonics (China) Co., Ltd. (CHINA)	1182 Qlogic Corporation (USA)	3249 Sophos Technology GmbH (GERMANY)	1718 WIBU-SYSTEMS Aktiengesellschaft (GERMANY)	575 Fukushima Technology Centre
3371 Kobo Inc.	(CANADA)	1687 NetApp, Inc (USA)	3162 QNAP Systems, Inc. (CHINESE TAIPEI)	3447 SteelSeries APs (CHINESE TAIPEI)	2912 Wins Co., Ltd. (KOREA)	1370 Furuno Labotech International Co., Ltd.
3574 Konftel AB	(SWEDEN)	1418 NETGEAR, Inc. (USA)	2261 Qualys, Inc. (USA)	1498 Stratus Technologies, Inc. (USA)	3377 WinSpeed Co., Ltd (CHINESE TAIPEI)	
3041 Kontron America	(USA)	1533 Netronix Inc. (CHINESE TAIPEI)	3623 Quanta Cloud Technology Inc. (CHINESE TAIPEI)	3243 SUNIX Co., Ltd. (CHINESE TAIPEI)	3545 Wire Factory, Inc. (USA)	[G]
3317 KOSTEC Co., Ltd.	(KOREA)	667 NetScout Systems, Inc. (USA)	726 QUANTA COMPUTER INC. (CHINESE TAIPEI)	2173 SUNNY COMPUTER TECHNOLOGY CO., LTD. (CHINA)	1767 Wistron Corporation (CHINESE TAIPEI)	1007 GE Healthcare Japan Corporation
861 KYE SYSTEMS CORPORATION (C		1316 Network Engines Inc, DBA "NEI", &	2039 Quanta Storage Inc. (CHINESE TAIPEI)	2933 Sunrex Technology Corp (CHINESE TAIPEI)	3145 Withings (FRANCE)	2586 GIKENKOGYO CO., LTD. TECHNOSHIELD
	•	DRA "Unicom Engineering Inc." (USA)	1012 Quantum Corporation (LISA)	1880 SLIPER MICRO COMPLITER INC (LISA)	3423 Wiwynn Corporation (CHINESE TAIPEI)	RUSINESS DIVISION

3595 Synnex Corporation

(USA)

3362 Newline Interactive (CHINESE TAIPEI)

[H]	608 Panasonic System Networks Evaluation	3387 Bay Area Compliance Labs Corp.,(ShenZhen)	[G]	[N]	3379 The Compliance Management Group (CMG) (USA)
423 HIROSHIMA-TECHNOPLAZA CORPORATION	Technology Co., Ltd.	(CHINA)	3143 Gefen Inc. (USA)	1211 National Technical Systems (USA)	3587 The First Research Institute of Telecom.
1823 Hitachi High-Technologies Corporation	2923 PFU TECHNOCONSUL Limited	3329 BEC Incorporated (USA)	2778 Global Certification Corp. (CHINESE TAIPEI)	3558 National Testing Center for Optical	Tech. TFTX Laboratory (CHINA)
2207 Hitachi Information & Telecommunication		672 BTL Inc. (CHINESE TAIPEI)	2718 Global EMC Inc. (CANADA)	Radiation Safety of Photoelectric Products	1328 The Hong Kong Standards and Testing
Engineering, Ltd. EMC Center	[R]	2709 BTL Inc. (CHINA)	708 Global EMC Standard Tech. Corp. (CHINESE TAIPEI)	(CHINA)	Centre Ltd. (HONG KONG)
3356 Hyogo Prefectural Institute of Technology	2285 Radio Engineering & Electronics	2213 Bureau Veritas Consumer Product Services	2752 Global Testing Laboratories (USA)	3220 Nemko AS (NORWAY)	831 The Standards Institution of Israel (SII) (ISRAEL)
	Association	(GERMANY)	3373 Guangzhou GRG Metrology and Test CO., LTD	642 Nemko Canada Inc. (CANADA)	3241 TPV Display Technology (Xiamen) Co., Ltd. (CHINA)
[1]	1398 RAKURYOU TECHNICA CO., LTD.	818 Bureau Veritas Consumer Products Services (USA)	(CHINA)	2118 Nemko Korea Co., Ltd. (KOREA)	657 TRaC Global Ltd (U.K.)
3234 Industrial Research Institute of Niigata	485 RIKEN ENVIRONMENTAL SYSTEM Co., Ltd	395 Bureau Veritas Consumer Products Services	2092 Gumi University EMC Center (KOREA)	720 Nemko USA, Inc San Diego EMC Division	2697 TUV Rheinland (Guangdong) Ltd. (CHINA)
Prefecture	2759 Rohde & Schwarz Japan K.K.	(H.K.) Ltd., Taoyuan Branch (CHINESE TAIPEI)		(USA)	639 TUV Rheinland Nederland BV (THE NETHERLANDS)
397 Industrial Research Institute of Shizuoka	1337 Roland Corporation	2115 Bureau Veritas Shenzhen Co., Ltd.	[H]	564 Northwest EMC, Inc. (USA)	1097 TUV Rheinland of North America (USA)
Prefecture Hamamatsu Technical Support		Dongguan Branch (CHINA)	3606 Hangzhou TDT Technologies Co., Ltd (CHINA)		3252 TUV Rheinland Taiwan Ltd. (CHINESE TAIPEI)
Center	[S]	1818 BWS TECH, INC. (KOREA)	3026 HCL TECHNOLOGIES LTD. (INDIA)	[O]	129 TUV SUD America Inc. (USA)
742 Industrial Technology Center of	3446 Samoto & Associates, Ltd.		264 HCT Co., Ltd (KOREA)	782 ONETECH Corp. (KOREA)	433 TUV SUD Product Service Ltd. (U.K.)
OKAYAMA Pref.	2906 SELA Corporation	[C]	592 Hermon Laboratories Ltd. (ISRAEL)		542 TUV SUD PSB Pte Ltd (SINGAPORE)
2264 Industrial Technology Center of Tochigi	2563 SGS RF Technologies Inc.	1847 Central Research Technology Co. (CHINESE TAIPEI)	1814 Hong An Technology CO., LTD. (CHINESE TAIPEI)	[P]	
Prefecture	3274 Shimane Insutitute Industrial Technology	3517 Centre of Testing Service Co., Ltd. (CHINA)	3070 Hong Fu Jin Precision Electrons (Yantai) Co., Ltd.	656 PCTEST Engineering Laboratory, Inc. (USA)	[U]
1213 Industrial Technology Institute, Miyagi	1849 Sony EMCS Corporation	3177 Centre Testing International (Shenzhen) Limited	(CHINA)	3418 PEP Certification Corp. (CHINESE TAIPEI)	3148 UL International Singapore Pte Ltd (SINGAPORE)
Prefectural Government		(CHINA)	2257 Hong Fu Jin Precision Ind. (Shenzhen) Co., Ltd.	2670 Precision Machinery Research & Development	596 ULLLC (USA)
999 Intertek Japan K.K.	[T]	2216 Cerpass Technology Corporation (CHINESE TAIPEI)	(CHINA)	Center (CHINESE TAIPEI)	376 UL Verification Services Inc. (USA)
579 IPS Corporation	346 TDK-Lambda Corporation	2783 CETECOM GmbH (GERMANY)	1145 HURSLEY EMC SERVICES LTD (U.K.)	618 Product Safety Engineering, Inc. (USA)	1309 Ultratech Engineering Labs Inc. (CANADA)
2227 ISHIKAWA Co., Ltd.	996 Tokin EMC Engineering Co., Ltd.	555 Chomerics Test Services (USA)		409 Professional Testing (EMI), Inc. (USA)	892 Universal Compliance. Labs dba
	1098 TOKYO METROPOLITAN INDUSTRIAL	2765 CHUNGBUK TECHNOPARK (KOREA)	[1]		EMCE Engineering (USA)
[1]	TECHNOLOGY RESEARCH INSTITUTE	213 CKC Laboratories, Inc. (USA)	821 I.T.L. (PRODUCT TESTING) LTD (ISRAEL)	[Q]	
3619 Japan Automobile Research Institute	943 Toshiba Carrier Engineering & Life	530 Compatible Electronics, Inc. (USA)	3452 International Certification Corp. (CHINESE TAIPEI)	1798 QualiTech, EMC Lab. (ISRAEL)	[V]
792 JAPAN ELECTRICAL SAFETY &	Support Corp.	1938 Compliance Certification Services (KunShan) Inc.	243 International Standards Laboratory	1153 QuieTek Corporation (CHINESE TAIPEI)	935 VDE Testing and Certification Institute (GERMANY)
ENVIRONMENT TECHNOLOGY	3283 Toyama Industrial Technology Center	(CHINA)	(CHINESE TAIPEI)		
LABORATORIES	995 TOYO Corporation	710 Compliance Certification Services Inc.	1349 Interocean EMC Technology Corp.	[R]	[W]
140 JEL Limited	3396 Toyota Industries Corporation	(CHINESE TAIPEI)	(CHINESE TAIPEI)	2545 R.N. Electronics Ltd. (U.K.)	3138 Walshire Labs, LLC (USA)
	811 TUV Rheinland Japan Ltd.	3168 Compliance Worldwide, Inc. (USA)	960 Intertek Testing Services Hong Kong Ltd.	3604 Radiometrics Midwest Corporation (USA)	3581 Wendell Industrial Co., Ltd. (CHINESE TAIPEI)
[K]	620 TUV SUD Japan Ltd.	3330 Core Compliance Testing Services, LLC (USA)	(HONG KONG)	1908 RETLIF Testing Laboratories (USA)	3289 World Standardization Certification &
1251 Kagawa Industry Support Foundation	240 TUV SUD Zacta Ltd.	332 CSA Group bayern GmbH (GERMANY)	3598 Intertek Testing Services Ltd., Shanghai (CHINA)		Testing (Shenzhen)CO., LTD. (CHINA)
689 Kanagawa Industrial Technology Center		2981 CSA International (CANADA)	334 Intertek Testing Services NA Inc. (USA)	[S]	2450 Worldwide Testing Services (Taiwan) Co., Ltd.
187 KITAGAWA INDUSTRIES CO., LTD.	[U]	1208 CTK Co., Ltd. (KOREA)	1253 Intertek Testing Services Taiwan Ltd.	2793 SGS Germany GmbH (GERMANY)	(CHINESE TAIPEI)
3569 KYB Corporation	474 UL Japan, Inc		(CHINESE TAIPEI)	2934 SGS Korea Co., Ltd. (KOREA)	
3304 Kyoritsu Electric Corporation	424 UL Japan, Inc.	[D]	1739 IST Co., Ltd. (International Standard Technology)	3300 SGS North America (USA)	[Y]
		270 D.L.S. Electronic Systems, Inc. (USA)	(KOREA)	1600 SGS Taiwan Ltd. (CHINESE TAIPEI)	1006 YORK EMC SERVICES LTD. (U.K.)
[M]	[W]	910 DELTA Danish Electronics, Light & Acoustics		3061 SGS-CSTC Standards Technical Services	1062 York EMC Services, Grangemouth (U.K.)
1301 Minami-Shinsyu lida Industry Center	260 WAVE CORPORATION	(DENMARK)	[J]	(Shanghai) Co., Ltd. (CHINA)	
1438 Miyazaki Prefecture Industrial Technology		715 DNB Engineering, Inc. (USA)	2746 Jiangsu Electronic Information Product Quality	1937 SGS-CSTC Standards Technical Services	
Center	[Y]	3207 DSTech Co. (KOREA)	Supervision & Inspection Institute (CHINA)	Co., Ltd. (CHINA)	
2973 M-System Co., Ltd.	3318 YAMAHA MOTOR CO., LTD.	1722 DT&C Co., Ltd. (KOREA)	3462 JNDL Laboratory CO., LTD. (KOREA)	2621 Shanghai Institute of Measurement and	
	911 Yashima Denki Co., LTD.			Testing Technology EMC Lab. (CHINA)	
[N]	92 YOKOGAWA ELECTRIC CORPORATION	[E]	[K]	3525 Shenzhen Academy of Metrology and	
352 Nagano Prefectural General Industrial		1607 Electrical and Electronics Institute (EEI),	3465 Keystone Compliance, LLC (USA)	Quality Inspection (CHINA)	
Technology Center Precision and	<overseas></overseas>	Thailand (THAILAND)	3498 Keyway Testing Technology Co., Ltd. (CHINA)	2893 SHENZHEN EMTEK Co., Ltd. (CHINA)	
Electronics Technology Department	No. Company Name	922 ELECTRO MAGNETIC TEST, INC. (USA)	750 Korea EMC Laboratory Co., Ltd. (KOREA)	2218 Shenzhen Huatongwei International	
2421 NEC Computertechno, Ltd.	[A]	2870 ElectroMagnetic Investigations, LLC (USA)	2442 KOREA TESTING & RESEARCH INSTITUTE (KTR)	Inspection Co., Ltd. (CHINA)	
2430 NIHON KOHDEN CORPORATION	916 3C Test Ltd (U.K.)	3322 Electromagnetic Testing Services Ltd (U.K.)	(KOREA)	3081 SIEMIC INC (USA)	
3592 NIPPON SEIKI CO., LTD.	3034 A Test Lab Techno Corp. (CHINESE TAIPEI)	277 Electronics Testing Center, Taiwan (CHINESE TAIPEI)	2005 KOSTEC Co., Ltd. (KOREA)	3071 SINGAPORE EPSON INDUSTRIAL PTE LTD	
3562 NISSEI ELECTRIC CO., LTD.	1831 Advanced Compliance Solutions, Inc. (USA)	1980 EMC compliance., Ltd. (KOREA)		(SINGAPORE)	
1034 NK Works Co., Ltd.	2186 APPLUS+ LGAI (SPAIN)	2649 EMC Integrity, Inc. (USA)	[L]	1411 SK Tech Co., Ltd. (KOREA)	
684 NOISE LABORATORY CO., LTD.	2705 Asia Institute Technology (DongGuan)	785 EMC Technologies Pty Ltd (AUSTRALIA)	3376 Laboratoria De Nayer VZW (BERGIUM)	3561 SP Technical Research Institute of Sweden	
2689 Noritz Corporation	Limited (CHINA)	1409 EMCCons DR. RASEK GmbH & Co. KG (GERMANY)	3533 LCIE Bureau Veritas (FRANCE)	(SWEDEN)	
	966 Atlas Compliance & Engineering, Inc. (USA)	2210 EMITECH Angers (FRANCE)	1132 Liberty Labs, Inc. (USA)	842 Spectrum Research & Testing Laboratory Inc.	
[0]	1257 AUDIX Technology (Shanghai) Co., Ltd. (CHINA)	719 EMV TESTHAUS GMBH (GERMANY)		(CHINESE TAIPEI)	
3577 OG GIKEN CO., LTD.	638 Audix Technology (Shenzhen) Co., Ltd. (CHINA)	3270 EST Technology Co., Ltd (CHINA)	[M]	466 Sporton International Inc. (CHINESE TAIPEI)	
3568 OHTAMA CALIBRATION SERVICE Co., Ltd.	2653 Audix Technology (WuJiang) Co., Ltd. (CHINA)	3470 ESTECH Co., Ltd. (KOREA)	757 MET LABORATORIES, INC. (USA)	3096 Standard Bank Co., Ltd (KOREA)	
898 OKI ENGINEERING CO., LTD.	237 Audix Technology Corporation (CHINESE TAIPEI)	1474 ETL Inc. (KOREA)	2959 MiCOM Labs (USA)		
463 OLYMPUS CORPORATION		2657 Eurofins Product Service GmbH (GERMANY)	1177 Mitsubishi Electric Europe B.V.	[T]	
5-3	[B]		EMC-Competence-Center (GERMANY)	3579 Telecommunication Technology	
[P]	981 Bay Area Compliance Laboratories Corp. (USA)	[F]	3575 MRT Technology (Suzhou) Co., Ltd(CHINA)	Association (TTA) (KOREA)	
2024 Panasonic Factory Solutions Co., Ltd.		2003 Flextronics Canada Design Services Inc. (CANADA)		658 Test Site Services (USA)	As of March 31, 2015

# Settlement of account for FY2014

#### (Statement of net assets)

From April 1, 2014 to March 31, 2015

Items	Current fiscal year	Previous fiscal year	Increase or decrease
I. Statement of general net assets			
Ordinary increase and decrease			
(1) Ordinary earnings			
①Admission fees received	( 4,050,000)	( 4,050,000)	( 0)
Admission fees received	4,050,000	4,050,000	0
②Membership 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			
①Enterprise 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
②Administrative 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





#### Headquarters

#### VCCI Council

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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

