



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



ANNUAL REPORT

English



VCCI Council



VCCI Council

The purpose of this corporate body is to promote, in cooperation with related industries, the voluntary control of radio disturbances emitted from multimedia equipment (MME) on the one hand, and improvement of robustness of MME against radio disturbances on the other hand, so that the interests of Japanese consumers are protected with respect to anxiety-free use of MME.

Description

- | | |
|--|--|
| <p>1 Formulate basic policies on voluntary control of electromagnetic disturbances emitted by multimedia equipment</p> <p>2 Coordinate the interest of member organizations and liaise with the government and related agencies</p> <p>3 Receive and file Conformity verification report with the voluntary control standards and issue reception acknowledgement in return</p> <p>4 Carry out market surveillance (with sampling test commissioned to third party testing laboratories)</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>6 Hold measurement skills courses to prepare members' engineers for adequate conformity assessment</p> <p>7 Study trends in overseas EMC regulations and seek opportunities for mutual recognition agreement</p> <p>8 Examine credentials of measurement laboratories and facilities based on the measurement facilities registration system</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>10 Administer other programs for effective operations of the voluntary control</p> |
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INDEX April 2018-March 2019

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Greetings



VCCI Council
President:
Keiichi Kawakami

Thank you for your continuing support for the activities of VCCI.

This is a report on our activities in FY 2018.

At the world's largest CPS and IoT general exhibition, "CEATEC JAPAN 2018", held in October last year, Japan's growth strategy to achieve "Society 5.0" and its vision for the future were announced to the world based on the theme "Connecting Society, Co-Creating the Future". 5G mobile communications system services are planned to finally begin operation in Japan next year, and steady initiatives are underway to make "Society 5.0", a.k.a. a "super-smart society", a reality.

We have high hopes for further developments in the IT and electronics industry, which holds deep ties to VCCI, as a key player in providing a platform for achieving "Society 5.0". By leveraging its growing technological prowess in an increasingly competitive world, the IT and electronics industry will help solve a variety of social problems through collaborative creation.

Meanwhile, as networks expand and use of radio diversifies, we expect challenges such as ensuring security and protecting personal information, as well as VCCI's role in building clean electromagnetic environments, to become increasingly important.

Since its inauguration in 1985, VCCI (formerly the Voluntary Control Council for Information Technology Equipment) has been engaged in activities to prevent failures in IT devices caused by interference, and protect the profits of Japanese consumers using electrical and electronic devices.

VCCI's activities are driven by the trust inspired by the VCCI mark. Specifically, our operation is underpinned by our three "pillars" of regulation: our system for registering measurement facilities, our system of self-declaration by member-filed conformity verification reports, and our fair market sampling tests. I am convinced that the VCCI mark could only earn its trust thanks to all of our members' earnest support and excellent compliance with our regulations. Going forward, we will continue to help build clean electromagnetic environments through these activities.

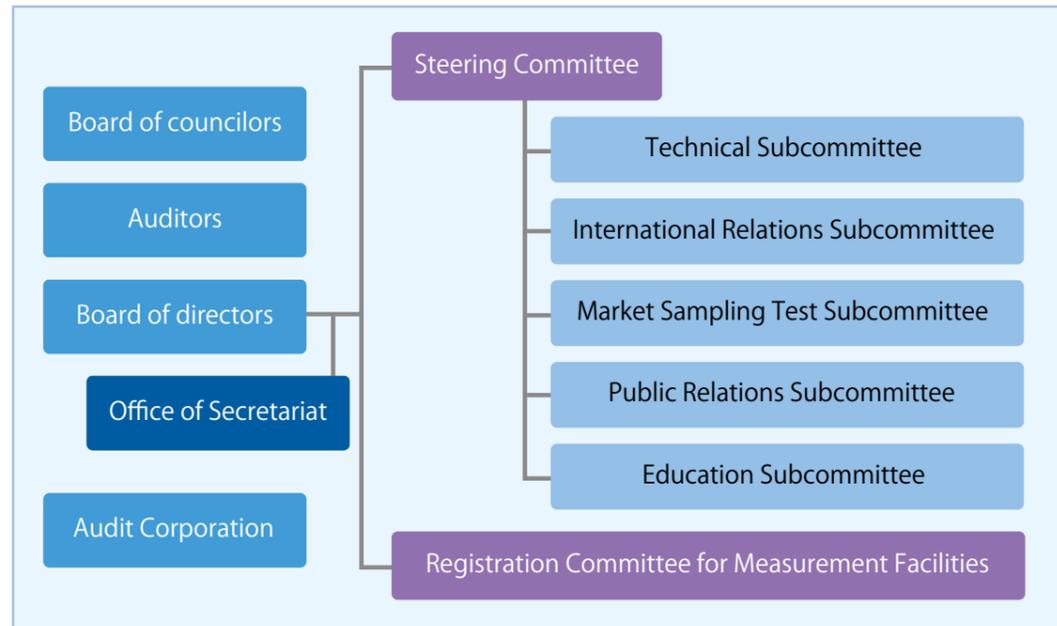
The international standards for multimedia device emissions, CISPR 32 Edition 2, was issued in March 2015, on which the Information and Communications Council of the Ministry of Internal Affairs and Communications reported in December 2015. The standards for multimedia device emissions were issued to integrate the individual standards for IT devices and AV equipment. VCCI issued the new VCCI regulations based on these new international standards in November 2016, and has begun putting them into practice. As of the end of FY 2018 (end of March 2019), the period allowing overlap between the new and old rules has come to a close. The volume of conformity verification reports and facility registration applications based on the new rules has increased, and all VCCI members are now assumed to have made a smooth transition to the new rules. We will continue to ensure that VCCI members conduct conformity verifications based on the new rules, through briefing sessions, seminars, and workshops in Japan and overseas, ample provision of rule guides, and other activities.

Improving awareness of the VCCI mark worldwide and contributing to international standards for electromagnetic interference are an important part of VCCI's work in promoting voluntary control. VCCI holds an International Forum where speakers are invited from overseas electromagnetic interference regulatory authorities. VCCI also runs overseas workshops, exchanges views with overseas regulatory authorities, and builds these based on research results obtained through member activities, which are then announced in related associations overseas. VCCI helps to enact international standards by continuously dispatching its experts to committees involved with CISPR. We believe that these kinds of activities have improved awareness of VCCI, even overseas. Meanwhile, in Japan, VCCI holds seminars at the Info-Communication Promotion Month event hosted by the Ministry of Internal Affairs and Communications, as well as seminars and educational and training activities in Japanese industrial technology centers. VCCI also provides technical training to engineers working with electromagnetic interference and improved awareness of the VCCI mark through relevant training courses, promotion of educational activities, and PR activities at technology exhibitions.

With the cooperation of our members and of relevant government agencies and groups, we hope to continue addressing trends in technological innovation in CPS and IoT which will be integral to radio applications, and their social implementation, thereby helping to build clean electromagnetic environments as a foundation for a CPS and IoT society. We will make sure our activities prove meaningful to our members, and in turn to Japanese consumers.

We hope you will continue to support us going forward.

Organization



Board of councilors

■ Head Councilor

Masamitsu Tokuda

Honorary Professor, Tokyo City University; Visiting Co-researcher, Graduate School of the University of Tokyo

■ Councilor

Hiroyuki Osaki

Head Researcher and Professor of Graduate School of Frontier Sciences, The University of Tokyo

■ Councilor

Kazuo Kaneko

Former President of The Association for Overseas Technical Cooperation and Sustainable Partnerships

■ Councilor

Osamu Fujiwara

Honorary Professor, Nagoya Institute of Technology; Visiting Professor, University of Electro-Communications

■ Councilor

Kazuo Izumi

Secretary General, Institute for the Information Industry (III)

■ Councilor

Akira Ohya

Formerly of the Japan Broadcasting Corporation

■ Councilor

Ryuji Koga

Honorary Professor, Okayama University

■ Councilor

Takeshi Furutani

Executive Director, Japan Electrical Safety & Environment Technology Laboratories

Directors and auditors

■ President

Keiichi Kawakami

Japan Electronics and Information Technology Industries Association

■ Director

Yasuyoshi Katayama / Masamichi Imai (as of June 25, 2019)

Communications and Information Network Association of Japan

■ Auditor

Satoshi Shibata

Formerly of Panasonic Corporation, Former Chairman of VCCI Steering Committee

■ Director

Hideo Nakanishi / Hirotoishi Tanaka (as of June 25, 2019)

Japan Business Machine and Information System Industries Association

■ Executive Director

Akira Oda

VCCI Council

■ Auditor

Hiroaki Hasegawa

Formerly of DOCOMO Datacom, Inc.

Audit Corporation

ERNST & YOUNG ShinNihon LLC

VCCI Committees and Activities

Steering Committee

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

General operations

(1) Preparing to transition to the new rules of operation based on CISPR 32 Edition 2

In the "Rules for Voluntary Control Measures" VCCI 32-1 based on the current CISPR 32 Edition 2 were enacted and enforced in November 2016. Meanwhile, acceptance of applications based on the old version of the "Rules for Voluntary Control Measures" V-2 was discontinued at the end of March 2019. Therefore, this period of two years and five months was set as an "overlap" period in which applications based on both the new and old rules of operation were accepted. VCCI has been publishing information on websites and other sources focusing on the Rules Briefing and Technical Symposium held in January 2019. This information includes notices about the end of the transition period, and instructions containing diagrams and tables on how to handle devices already applied for based on the old rules from April 2019 onward.

(2) Dissemination and awareness-raising activities on the new rules of operation based on CISPR 32 Edition 2

This fiscal year's overseas workshop was held in China, together with "EMC China 2018 Shanghai" held in October 2018. Non-Japanese VCCI members are on the rise; soon to make up more than half of VCCI's membership, and the four regions U.S.A., Taiwan, China, and South Korea make up 80% of non-Japanese members. Because of the sharp rise in Chinese members, our intent was to further boost our Chinese members' understanding of VCCI's activities. Also, to deepen understanding of how to apply the new rules, we effectuated the two guides for applying the new rules "Interpretation of the Scope of Technical Requirements" and "Interpretation of Electronic Display" in December 2018 and January 2019 respectively.

In addition to the VCCI Tutorial held in the afternoon of the second day of "EMC Sapporo & APEMC 2019" in June 2019, we have planned four thesis presentations and related exhibitions, for which preparations are now underway.

(3) MOU operation and talks with overseas institutions

Ongoing MOU operations have been conducted between Japan and the U.S. to mutually recognize data measured in laboratories in both countries. As of the end of March 2019, the numbers of laboratories registered using this system have reached 84 in the U.S., and 56 in Japan. In July 2018, during the IEEE EMC 2018 Symposium held in Long Beach, California, U.S.A., we exchanged information with the U.S. laboratory accreditation bodies NVLAP, A2LA, and ANAB, the U.S. industry association ITI, and other groups. In November 2018, we participated in the Europe-oriented REDCA meeting, where we collected reference information on trends and standard setting in market sampling tests. We also held talks with Taiwan's BSMI in June 2018 and February 2019, and decided to consider further ongoing technical exchanges with the BSMI going forward.

(4) Holding of VCCI seminars

Every year, VCCI holds a seminar to introduce its latest activities, explain international standards and new rules of operation, and more. In FY 2018, in addition to the Info-Communication Promotion Month event for the Ministry of Internal Affairs and Communications held at VCCI in May, seminars for regions were held at the following four locations: July: Oita Industrial Research Institute, November: Chiba Industry Advancement Center, Tokatsu Techno Plaza, January: Miyagi Industrial Technology Institute, February: Kyoto Institute of Technology

(5) Activities with academic associations

We presented the following two theses at the 2018 Joint IEEE EMC & APEMC held in Singapore in May 2018:

- Impacts to Measurement Uncertainty of Radiated EMI Measurement by Setting Terminating Condition of AC Mains Cable Leaving from Test Area
- A LPDA Free-Space Factor Calibration

We presented the following thesis at the 2018 IEEE EMC held in

Long Beach, California, U.S.A. in July 2018:

- Investigation on Difference of Radiated Emission Measurement Reproducibility between two EUTs at International RRT by Using CMAD as a Terminating Device for AC Mains Cable

We presented the following two theses at EMC EUROPE 2018 held in Amsterdam, The Netherlands in August 2018:

- Free-Space Factor Calibration of Hybrid Antenna
- Influence of Disturbance Current Mode on Correlation between Radiation Test Sites Using VHF-LISN and CMAD



EMC China Shanghai workshop



Meeting with ITI



At the VCCI seminar in the Tokatsu Techno Plaza



Business report meeting

Technical Subcommittee

Sets and maintains the VCCI Technical Requirements covering standardized EMI limits, measurement methods, and conformity verification procedures which underpin the scheme of voluntary control of electromagnetic interference to preserve sustainable radio environments surrounding multimedia equipment.

Standards setting

(1) Activities for promoting international standardization

VCCI participated in EMC-related committees in Japan and overseas, promoting activities to reflect its opinions in the short-term and long-term challenges raised as next term's revisions to the CISPR 32 standard. VCCI also promoted activities to propose the international standardization of power cable termination conditions at the CISPR, SC-A&I, and JAHG6 conferences.

As a result, a document on the effectiveness of CMAD on non-invasive methods of measuring SC-I/MT7 conducted emissions was proposed and adopted as a contributed document to the CISPR committee. The international standardization of SC-A&I/JAHG6 power cable termination conditions via work documents was proposed, as well as the two DC documents CISPR 16-1-4 and CISPR 16-2-3 and international RRT. Also, during deliberation of the SC-H/WG1 common standards, we submitted DC document and CD document proposals for standardized limits by FAR according to the polarization plane.

(2) Technical symposium

The technical symposium was held in January 2019 to explain the achievements of the Technical Subcommittee to VCCI's members. Theses released by international academic associations were also explained at the symposium. There were about 130 participants.

(3) Main activities of the Technical Subcommittee and each WG

(a) Release of a guidance for the new rules

We made a guide for the new rules. Its contents were proposed and adopted last year as a contributed document to the CISPR committee. This guidance was about the exclusion of intentional frequencies and spurious emissions from conducted emissions.

(b) CISPR project WG

VCCI issued comments after deliberation on the documents contributed and work documents relating to CISPR 32 Edition 2 and CISPR/SC-A&I/JAHG6.

In addition, experts who attended CISPR conferences reported to members on what was discussed, and shared relevant information.

(c) Radiated EMI WG

This WG tested the impact of measurement methods for EUTs that have radio functionality, on radiated emissions from EUTs that have

RFID and WPT functionality. This WG also tested the impact on radiated emissions when EUTs with embedded Wi-Fi and Bluetooth radio functionality were used at the same time, and reported the results to VCCI's members.

(d) Conducted EMI WG

This WG tested the impact of measurement methods for EUTs that have radio functionality, on radiated emissions from EUTs that have RFID and WPT functionality, and reported the results to VCCI's members. This WG also made a document on the effectiveness of CMAD on non-invasive methods of measuring conducted emissions, to be contributed to the CISPR conference.

(e) Antenna calibration WG, Site validation WG

This WG reported its test results on free-space antenna factor calibration methods for biconical antennas, log-periodic array antennas, and hybrid antennas to VCCI's members.

(f) VHF-LISN WG

In October 2018, to internationally standardize power cable termination conditions, this WG made eight contributed documents relating to VHF-LISN, and two DC documents CISPR 16-1-4 and CISPR 16-2-3 as work documents for VHF-LISN standardization. This WG also conducted tests in Japan in order to conduct international RRT, and considered draft procedures for conducting RRT. The results of deliberations at the CISPR conference were reported to VCCI's members.

(Notes)

- CMAD : Common Mode Absorbing Device
- RRT : Round Robin Test
- FAR : Fully Anechoic Room
- DC : Document for Comments
- CD : Committee Draft
- RFID : Radio Frequency Identifier
- WPT : Wireless Power Transfer
- EUT : Equipment Under Test
- NSA : Normalized Site Attenuation
- VHF-LISN : Very High Frequency - Line Impedance Stabilization Network



EMC Europe 2018

Technical symposium

Education Subcommittee

Educates and trains EMC managers and measurement engineers on VCCI rules and requirements while improving measurement techniques, by organizing technical courses and seminars.

Technical training seminars

To disseminate the VCCI operational rules and improve measurement techniques among member EMC managers and measurement engineers, education and training courses were planned and put into action. FY 2018 was also a period when training content was being updated in accordance with the new VCCI rules, thus requiring existing seminars to have their content revised and preparations made to create new seminars. As a result, there were not as many seminars as usual, but those that were held went according to plan.

(1) Overview of education and training in accordance with "Technical Requirement" VCCI-CISPR 32

- The three education and training seminars "The basic technique of EMI measurement", "The basic of electromagnetic waves, EMI measurement technique below 1 GHz", and "The upgrade of EMI measurement technique" were held starting May, after textbook revisions were completed based on the FY 2017 questionnaire results.

- The two education and training seminars "The EMI measurement technique above 1 GHz" and "The EMI Measurement Instrumentation Uncertainty (MIU)" that were to be held starting FY 2018, were held from September onward.

(2) Details of education and training courses held in FY 2018

(a) The basic technique of EMI measurement

This was a training course for beginner measurement engineers to acquire basic knowledge. Two sessions were held in May and October 2018, with certificates of attendance given to a total of 47 attendees.

(b) The basic of electromagnetic waves, EMI measurement technique below 1 GHz

Two sessions were held in June and November 2018, with completion certificates given to a total of 31 attendees.

(c) The EMI measurement technique above 1 GHz

The purpose of this course was to teach techniques for measuring EMI exceeding 1 GHz and evaluating measurement facilities. One session was held in November 2018, with completion certificates given to a total of 15 attendees.

(d) The upgrade of EMI measurement technique

The purpose of this course was to deepen understanding of correct automatic and manual measurement of radiated emissions. One session was held in December 2018, with certificates of attendance given to 16 attendees.

(e) The EMI Measurement Instrumentation Uncertainty (MIU)

The purpose of this course was to teach calculation methods based on an interpretation (VCCI 32-1-3) of the rules on including measurement instrumentation uncertainty (MIU) in reports on tests conducted in compliance with the technical standard "VCCI-CISPR 32". One session was held in February 2019, with certificates of attendance given to 34 attendees.

(Notes) • MIU: Measurement Instrumentation Uncertainty



Training for the EMI measurement technique above 1 GHz

Training for the EMI measurement instrumentation uncertainty (MIU)

Market Sampling Test Subcommittee

Checks if conformity verification reports filed to VCCI are conducted properly. This is done based on the results of measuring market samples in designated testing laboratories.

Market surveillance

(1) Market sampling tests

Market sampling tests were conducted in accordance with the Rules for Voluntary Control Measures. A total of 100 products were tested (of which 45 were loaned and 55 were purchased), and products included personal computers, peripheral terminals, digital cameras, and LAN-related devices. The results are shown in Table 1. In the first round of judgments, 98 of 100 products passed, and two failed. The two failed products later passed after detailed investigation into their conformity with the rules. In the final round of judgments, all 100 products passed, with no failures. Information on failed products such as company name, model name, and other details is published in the "VCCI Dayori" and VCCI website with consent from the members in question. There were no such failed products in FY 2018, but such information was published for products tested in FY 2017.

Table 1 Results of Market Sampling Test

Quarter	Tests on loaned samples				Tests on purchased samples				Total
	I	II	III	IV	I	II	III	IV	
Passed	11	10	10	14	18	6	13	18	100
Failed	0	0	0	0	0	0	0	0	0
Total	11	10	10	14	18	6	13	18	100

(2) Document inspections

41 document inspections were performed. Test reports filed with conformity verification reports were inspected, and two documents were found with problems, resulting in members voluntarily ordering additional measurements. Reports were obtained on the measurement results, and it was confirmed that the results conformed with the rules.

(3) Survey of use of the VCCI mark in the market

A fact-finding survey was conducted on the use of VCCI marks in the market (1,787 models from 252 suppliers). The survey found non-VCCI-member products suspected of using VCCI marks, and VCCI-member products with unclear use of VCCI marks. Non-member companies will be asked to join VCCI, and members will be sent reports on retail model names and asked to correct inappropriate VCCI marks.

International Relations Subcommittee

Liaises with related organizations overseas to appropriately communicate VCCI activities, while obtaining information on EMC-related standards and regulations of countries and regions across the world. This information is then relayed to members in order to optimize VCCI activities.

Overseas situational awareness activities

The following surveys and dissemination activities were held for overseas EMC standards:

(1) International Forum

On October 19, 2018, the VCCI International Forum was held as an adjoining seminar with CEATEC. Guest speakers were invited from the EU, China, and South Africa to give talks on the latest news in various countries. There were about 130 participants.

(2) Update to the world ITE standards table

A survey on the status of emissions standards and immunity standards was held in 25 countries including Japan, the U.S., Europe, China, Russia, and Australia, and results were published on the website in July 2018.

(3) Provision of updates to members regarding trends in EMC regulations

Survey information on world EMC trends was entered into a database, for provision to members. Updates were made as needed starting from April 2016. "Survey of Trends in World EMC Regulations" was last updated in December 2018.

(4) Overseas surveys

VCCI visited Saudi Arabia GSO and UAE ESMA in July 2018, and Vietnam MIC and Indonesia SDPPI in March 2019, and acquired the latest news. Survey results were published on the VCCI website.

(Notes)

- GSO : Gulf Standardization Organization
- ESMA : Emirates Authority for Standardization and Metrology
- MIC : Ministry of Information and Communications
- SDPPI : Semangat Disiplin Profesional Produktif Integritas



Indonesia SDPPI conference

Vietnam MIC conference



International Forum speakers

Public Relations Subcommittee

Promotes awareness of VCCI and its activities, for example by working as creator and admin of the VCCI website, issuing the seasonal newsletter "VCCI Dayori" and annual reports in Japanese and English, creating and distributing PR brochures and calendars, and participating in exhibitions in Japan and abroad.

PR activities

(1) Participation in TECHNO-FRONTIER 2018 (April 18 to April 20, 2018, Makuhari Messe)

A VCCI booth was set up at the event. About 250 people participated in the questionnaire.

(2) Participation in COMPUTEX TAIPEI 2018 (June 5 to June 8, 2018, Taipei)

A VCCI booth was set up at the event. To improve awareness of VCCI and disseminate information on its activities, VCCI distributed materials to about 400 people while answering various questions.

(3) Participation in CEATEC JAPAN 2018 (October 16 to October 19, 2018, Makuhari Messe)

A VCCI booth was set up at the event. About 300 people participated in the questionnaire.

(4) Illuminated billboard advertising

To raise awareness of the VCCI mark, VCCI continued to post illuminated billboard advertisements in JR Akihabara Station and JR Osaka Station from the previous fiscal year.

(5) Advertising in the Tokyo Metro Hibiya line (train cars passing through Tobu Railway)

VCCI continued to post door-window sticker for Tobu Railway's 20000-series and 70000-series train cars from the previous fiscal year.

(6) Video advertisements for TV sales at mass retailers

From March 2016, a 30-second video advertisement on the VCCI mark was continuously broadcast on TV sales floors in 22 Bic Camera stores across Japan, as PR for general users and mass retailer staff.

(7) Translation of introductory materials about VCCI to Chinese (simplified and traditional characters)

VCCI began translating materials to Chinese for readers in China, where VCCI members are on the rise, and Taiwan, which has the second largest number of VCCI members.

(8) Survey of the China International Industry Fair (CIIF)

VCCI surveyed the China International Industry Fair held in Shanghai from September 19 to September 23. This is one of the exhibitions VCCI is considering for future participation in order to reach overseas attendees.

(9) Issuing of the newsletter "VCCI Dayori" and annual reports

VCCI issued "VCCI Dayori" (Japanese and English versions) No.129 to No.132, and published them on the VCCI website. The 2017 annual report (Japanese and English versions) was also issued in August 2018.



COMPUTEX TAIPEI 2018

Illuminated billboard in JR Akihabara Station

Registration Committee for Measurement Facilities

Inspects VCCI members such as measurement facilities against the VCCI requirements, and determines the validity of their membership based on the results. This ensures that conformity verification is fulfilled for EMI measurement sites and instruments.

Operations such as measurement facilities registered for inspection (measuring site registration operations)

The status of registrations this fiscal year is shown in the following section. Registrations are effective for a period of three years, and those who wish to stay members renew their registration every three years.

(1) Number of actually registered facilities in FY 2018

- Number of facilities registered via inspections: 406 (of which 295 were those renewed)

Category of Measurement Facility	Number of Registered Facilities	(FY 2017)
Radiated Emission	86	(116)
Mains port conducted Emission	109	(97)
Telecommunication port conducted Emission	95	(83)
Radiated Emission above 1GHz	116	(82)

- Number of registered laboratories accredited by accreditation bodies: 95

(2) Total number of registered facilities (as of March 31, 2019)

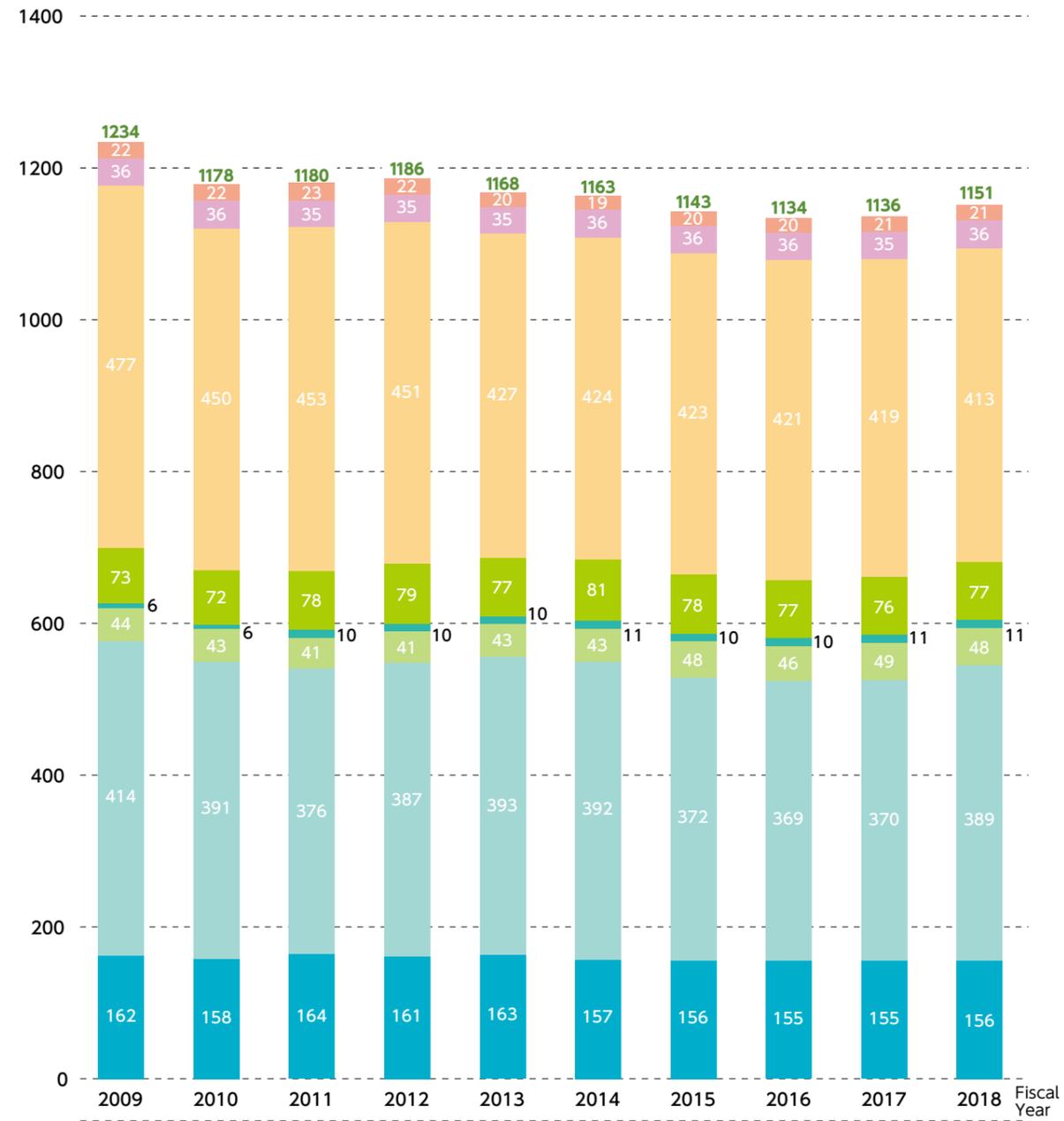
- Total number of facilities registered via inspections: 1,233

Category of Measurement Facility	Number of Registered Facilities	(FY 2017)
Radiated Emission	331	(336)
Mains port conducted Emission	333	(337)
Telecommunication port conducted Emission	271	(262)
Radiated Emission above 1GHz	298	(290)

- Total number of facilities accredited by accreditation bodies: 140

Trends in Membership

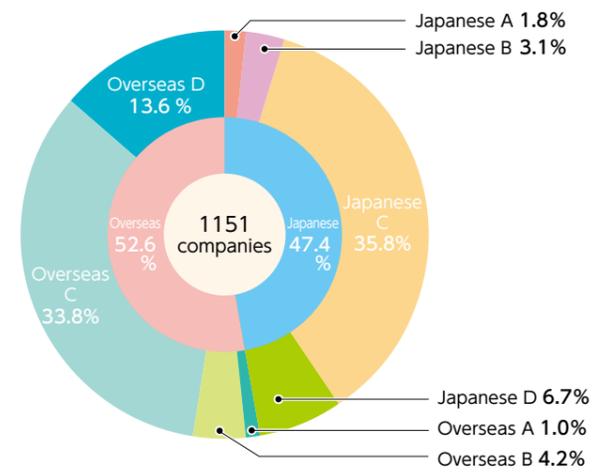
Number of member companies



Category: Japanese A, Japanese B, Japanese C, Japanese D, Overseas A, Overseas B, Overseas C, Overseas D

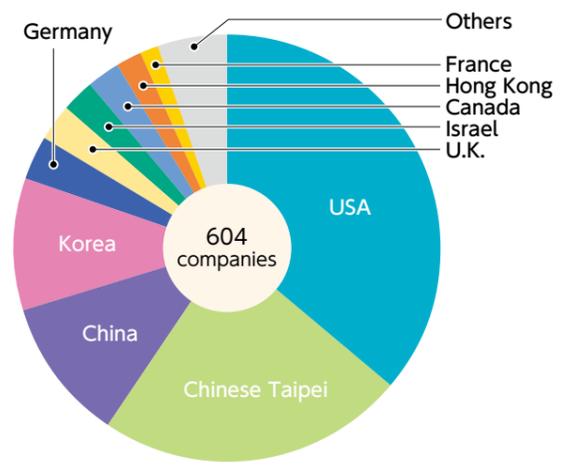
Category	Applicable to -
A members (regular members)	Chairmen and Vice Chairmen of the three groups constituting VCCI (JEITA, JBMIA, CIAJ) and equivalent companies (companies that file 70 or more conformity reports a year)
B members (regular members)	Companies that file 10 or more conformity reports a year
C members (regular members)	Companies that file fewer than 10 conformity reports a year
D members (supporting members)	Companies that do not file conformity reports, or do not ship products (mainly measurement facility companies or companies that only collect information)

Composition of Members



Member category	Number of Members	%
Japanese A	21	1.8%
Japanese B	36	3.1%
Japanese C	413	35.8%
Japanese D	77	6.7%
Overseas A	11	1.0%
Overseas B	48	4.2%
Overseas C	389	33.8%
Overseas D	156	13.6%
Total	1151	100%

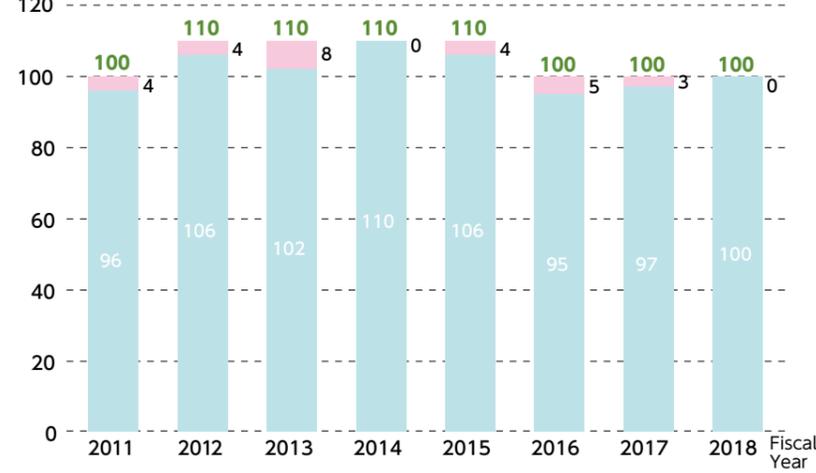
Composition of Overseas Members



Country or Region Name	Number of Members
USA	219
Chinese Taipei	141
China	65
Korea	61
Germany	20
U.K.	16
Israel	16
Canada	15
Hong Kong	12
France	8
Others	31
Total	604

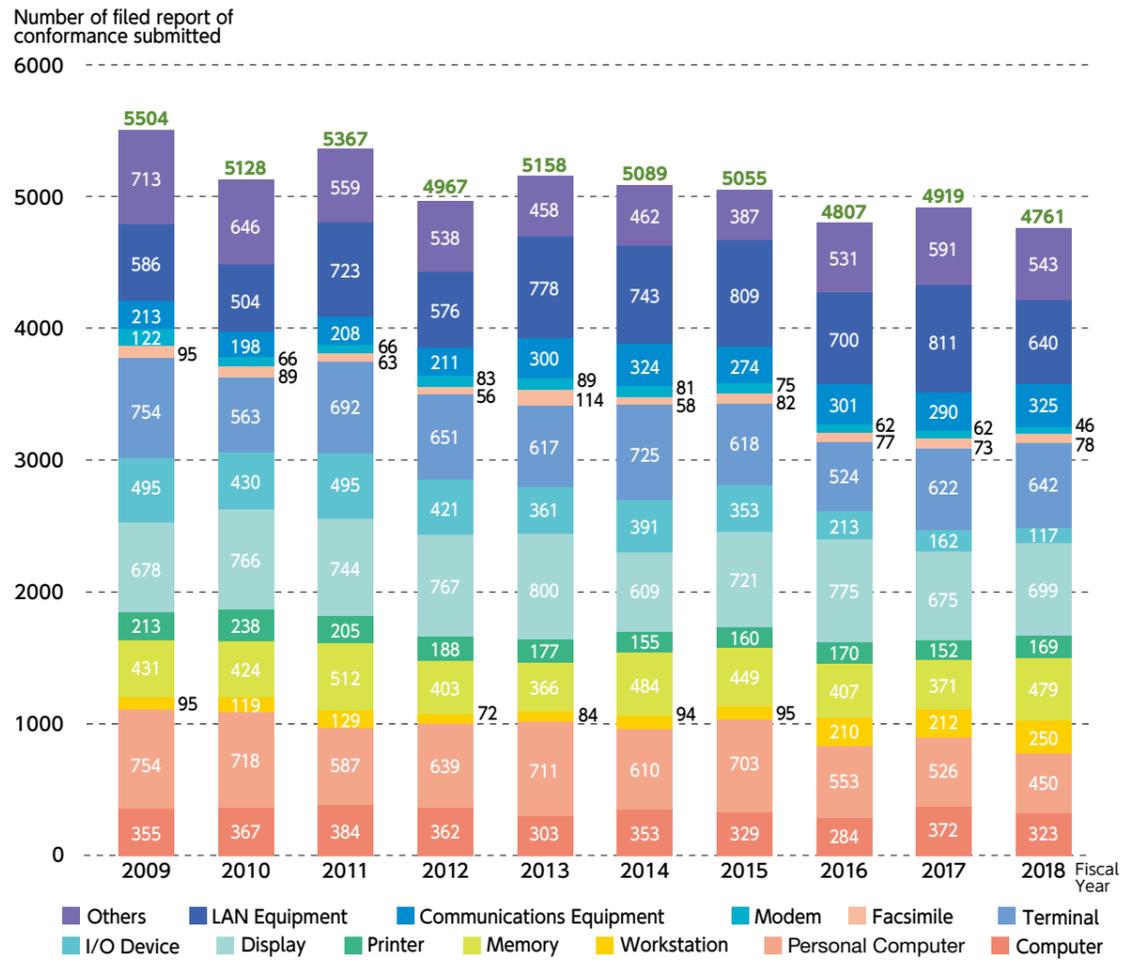
Trends in Market Sampling Test Results

Number of market sampling test

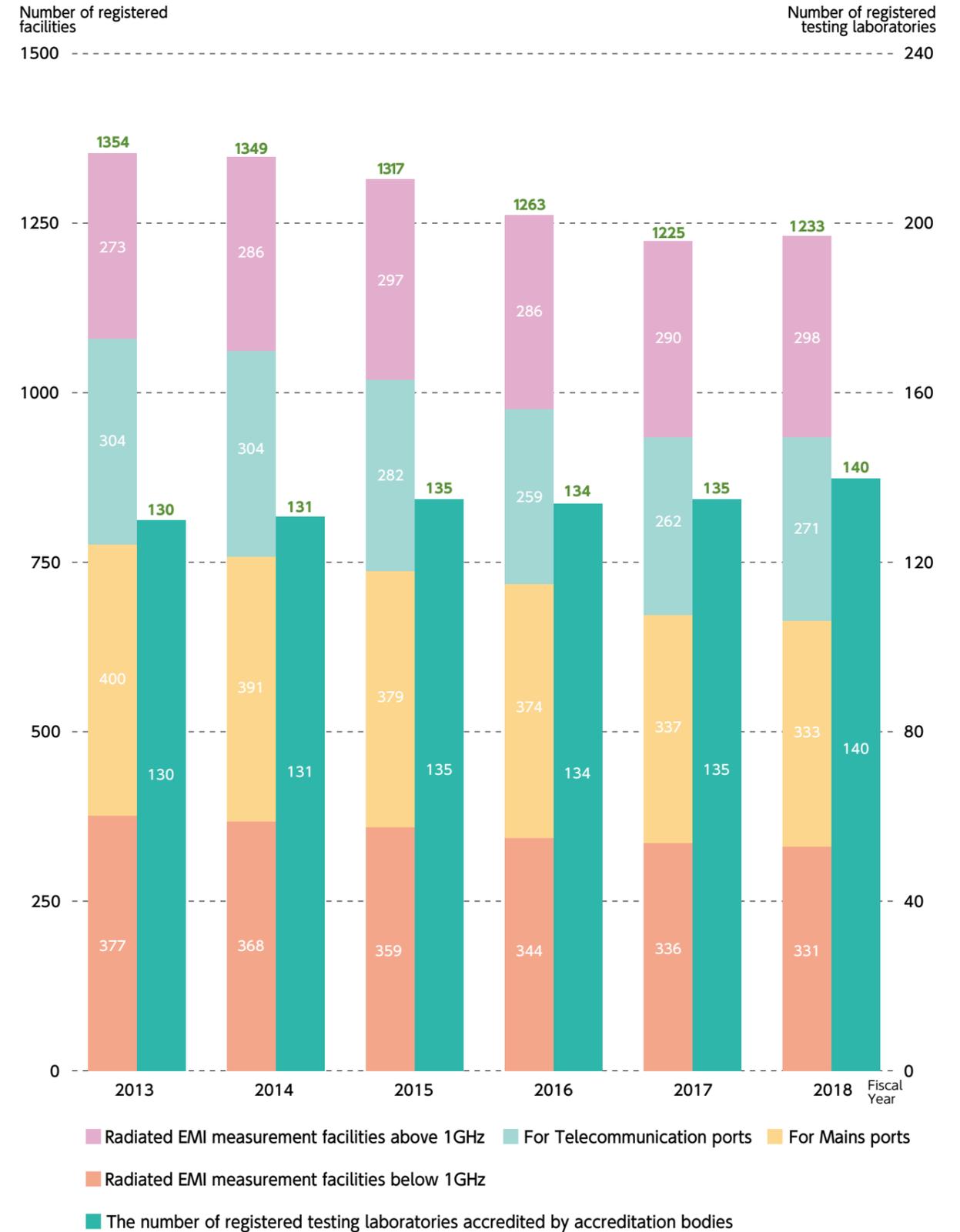


Details	
Japanese Member	41
Overseas Member	59
Overseas Items	
Chinese Taipei	27
U.S.A	16
Korea	7
Others	9

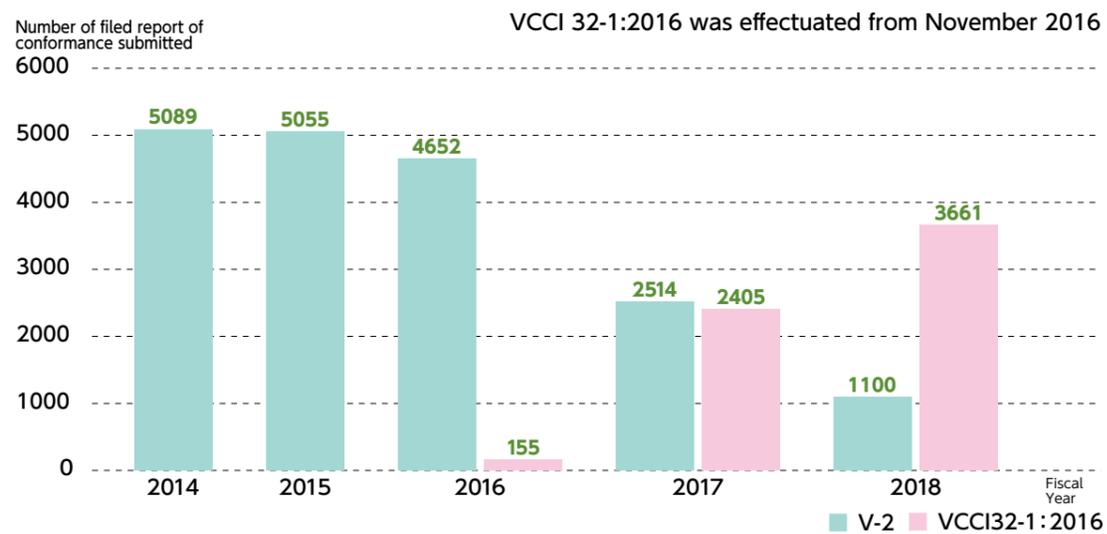
Trends in Number of Filed Conformity Reports, by Product



Trends in the Total Number of Registered Measurement Facilities and Laboratories as of the Fiscal Year End



Number of Filed Conformity Reports for VCCI 32-1:2016



VCCI Member List

Regular Members

<Japanese>

No. Company Name

[A]			
2323	A.T. Works, Inc.	54	CASIO COMPUTER CO., LTD.
2478	A2 Corporation	3810	CASO Inc.
1355	ABIT CORPORATION	3228	Cathay Tri-Tech., Inc.
3873	Acco Brands Japan K.K.	2977	CCP Co., Ltd.
1882	ADVA Optical Networking Corp.	2928	Cellcross Co., Ltd.
3915	Advance Connecting Technologies	3678	Cellstar Industries Co., Ltd.
35	ADVANTEST CORPORATION	2395	Central Engineering Corporation
3950	Aggregate., co. ltd	3555	CENTURY SYSTEMS Co., Ltd.
47	AIPHONE CO., LTD.	64	CHUO ELECTRONICS CO., LTD.
222	AISIN SEIKI CO., LTD.	220	CITIZEN SYSTEMS JAPAN CO., LTD.
2335	ALAXALA Networks Corporation	71	COMOTA CO., LTD.
459	ALEXON CO., LTD.	1206	CONTEC CO., LTD.
1317	ALF INC.	3232	CPI Technologies, Inc.
231	Allied Telesis K.K.	3881	Crafty Co., Ltd.
3357	ALNETZ CO., LTD.	1231	CTCSP Corporation
76	ALPS ALPINE CO., LTD.		[D]
43	ANRITSU CORPORATION	178	D&M Holdings Inc.
2676	ANRITSU NETWORKS CO., LTD.	2803	Dai Nippon Printing Co., Ltd.
218	AOI Development Center, Ltd.	3800	DAIKIN INDUSTRIES, LTD
3682	AOPEN JAPAN INC.	2839	Data Controls Inc.
147	APRESIA Systems, Ltd.	1978	Datacard Japan Ltd.
3047	Array Corporation	2496	DDS, Inc.
2125	Artiza Networks, Inc.	1758	DENSO WAVE INCORPORATED
3801	Asahi Net, Inc.	3879	DGSHAPE Corporation
3197	ASCON CO., LTD.	2289	DION Corporation
1489	ATM Japan, Ltd.	3288	dit Co., Ltd.
2655	Atmark Techno, Inc.	2861	DKSH Japan K.K.
3532	AUI Co., Ltd.	348	DMG MORI B.U.G. CO., LTD.
1399	AVAL NAGASAKI CORP.	419	Duplo Seiko Corporation
1478	Avaya Japan Ltd.	3848	DUX Inc.
1147	Axis Communications K.K.	3476	DX ANTENNA CO., LTD.
		1026	Dyden Corporation
		3741	Dynabook Inc.
			[E]
	[B]	3378	e-Broad Communications Inc.
950	BANDAI CO., LTD.	3856	ECO LIFE ENGINEERING CO., LTD.
2321	Barracuda Networks Japan K.K.	3935	Ecolab G. K.
3477	Benesse Corporation	3922	Ecomott Inc.
3887	BEWITH Enterprise Japan, Ltd.	137	EIZO Corporation
736	BILLCON CORPORATION	3254	ELECOM CO., LTD.
2993	BIOS Corporation	1870	ELECS. INDUSTRY CO., LTD.
2957	Bktel Pacific Rim (Japan) Inc.	3052	ELSA Japan Inc.
2683	BMT	3593	Empathy Co., Ltd.
913	Brains Corporation	1525	EPSON DIRECT CORPORATION
21	Brother Industries, Ltd.	2299	e-trees. Japan, Inc
933	BUFFALO INC.	1091	EXCEL CO., LTD.
			[F]
	[C]	2680	Fanatic Computers Inc.
3910	Canare Electric Co., Ltd.	3576	Fibergate Inc.
441	CANON ELECTRONICS INC.	3233	Fon Japan K.K.
1386	CANON FINETECH NISCA INC.	101	FOSTER ELECTRIC CO., LTD.
49	Canon Inc.	51	FUJI ELECTRIC CO., LTD.
883	Canon Marketing Japan Inc.	2331	Fuji Electric Co., Ltd.
90	Canon Production Printing Systems Inc.	67	Fuji Xerox Co., Ltd.
3129	Cansystem Co., Ltd.	118	FUJIFILM Corporation
			[G]
		670	FUJIFILM Imaging Systems Co., Ltd.
		253	Fujikura Ltd.
		704	Fujikura Solutions Ltd.
		3320	FUJISOFT INCORPORATED
		3835	FUJITSU CLIENT COMPUTING LIMITED
		1066	FUJITSU COMPONENT LIMITED
		3386	FUJITSU COMPUTER TECHNOLOGIES LIMITED
		1500	FUJITSU FRONTTECH LIMITED
		20	FUJITSU ISOTEC LIMITED
		1833	FUJITSU KANSAI-CHUBU NET-TECH LIMITED
		65	FUJITSU LIMITED
		1650	FUJITSU NETWORK SOLUTIONS
		3696	FUJITSU SOCIAL LIFE SYSTEM LIMITED
		34	FUNAI ELECTRONIC CO., LTD.
		2722	FURUNO ELECTRIC CO., LTD.
		1561	FURUNO SYSTEMS Co., Ltd.
		3943	Fusion Technology Co., Ltd.
		2922	FUTEC INC
		3355	FUTURE CONNECT, LTD.
		1138	FXC Inc.
			[H]
		1526	GINGA SYSTEM CO., LTD.
		3765	GLBB JAPAN
		707	GLORY AZ System Co., LTD.
		95	GLORY LTD.
		3686	Godspeed. Co., Ltd
		3802	G-Printec Inc.
		88	GRAPHTEC CORPORATION
		1728	GREEN HOUSE CO., LTD.
		3065	Gridmark Inc.
		85	GS Yuasa International Ltd.
			[I]
		2837	Hagiwara Solutions co., Ltd.
		2242	HAGIWARA TECHNO SOLUTIONS CO., LTD
		3451	HAKARU PLUS CORPORATION
		2791	HANDREAMNET
		2740	HARVEST CO., LTD.
		6	Hewlett-Packard Japan, Ltd.
		198	HIRAKAWA HEWTECH CORP.
		2549	Hitachi IE System Co., Ltd.
		3273	Hitachi Industry & Control Solutions, Ltd.
		1083	Hitachi Information & Communication Engineering, Ltd.
		1596	Hitachi KE Systems, Ltd.
		52	Hitachi Kokusai Electric Inc.
		3255	Hitachi Systems Field Services, LTD
		2692	Hitachi Terminal Mechatronics, Corp
		371	Hitachi USLI Systems Co., Ltd.
		2	Hitachi, Ltd.
		1850	Hitachi-LG Data Storage, Inc.
		2347	Hitachi-Omron Terminal Solutions, Corp
		3079	HOCHIKI CORPORATION
		1518	Hosiden Corporation
		3671	HOYA Service Corporation
		3638	HP Japan Inc.
		2629	HYTEC INTER Co., Ltd.
			[J]
		3269	iB Solution Co., Ltd.
		23	IBM Japan, Ltd.
		1329	ICOM Inc.
		3438	iD corporation
		3494	IDEC CORPORATION
		3073	IDK Corporation
		151	Ikegami Tsushinki Co., Ltd.
		1191	IMAGENICS. CO., LTD.
		3280	impactTV. INC
		3493	INABA DENKI SANGYO CO., LTD.
		808	iND Co., Ltd.
		1429	Infinico Corporation
		3907	inMusic Japan K.K.
		3768	INNOTECK CORPORATION
		338	Intel K.K.
		3775	Interface Corporation
		1326	I-O DATA DEVICE, INC.
		3732	IOT Co., Ltd.
		3923	IoT Systems Co., Ltd.
		826	IRIICHI TECHNOLOGIES INC.
		946	ISA Co., Ltd.
		1864	ISHIIHYOKI CO., LTD.
		3942	ITC Co., Ltd.
		2978	ITUS Japan Co., Ltd
		14	IWATSU ELECTRIC CO., LTD.
		3747	IWAYA CORPORATION
			[K]
		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
		3751	JVC KENWOOD Public & Industrial Systems Corporation
			[L]
		172	KONICA MINOLTA, INC.
		2506	KOSHIN DENKI KOGYO CO., LTD.
		3762	Kpnetworks Ltd.
		2265	KUBOTEK CORPORATION
		2537	Kumahira Co., Ltd.
		1390	KUZUMI Electronics, Inc.
		209	KYOCERA Document Solutions Inc.
		2394	KYOKKO SEIKO CO., LTD.
		2138	KYOWA TECHNOLOGIES CO., LTD
			[M]
		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
		3797	LINE Corporation
		3706	LIXIL Housing Exterior Division
		102	Logitec Corporation
		3266	Logitec INA Solutions Co., Ltd.
		3690	LVHM WATCH & JEWERY JAPAN K.K.
			[N]
		3959	MAMORIO, Inc.
		3594	MASPRO DENKOH CORP.
		1118	MAX CO., LTD.
		210	Maxell, Ltd.
		2955	MC SECURITY Co., Ltd.
		976	MegaChips Corporation
		116	MEIDENSHA CORPORATION
		2360	Miharu Communications Inc.
		311	MIMAKI ENGINEERING CO., LTD.
		312	MINATO HOLDINGS. INC
		344	MintWave Co., Ltd.
		1932	MITACHI CO., LTD.
		8	MITSUBISHI ELECTRIC CORPORATION
		594	MITSUBISHI Electric Engineering Co., Ltd.
		1646	Mitsubishi Electric Information Network Corporation
		2044	MITSUBISHI ELECTRIC SYSTEM & SERVICE CO., LTD.
		3050	Mitsubishi Paper Mills Limited
		3557	mitsuboshi diamond industrial co., ltd.
		214	Mitsui E&S Systems Research Inc.
		3789	Mitsui Knowledge Industry Co., Ltd.
		584	MITSUMI ELECTRIC CO., LTD.
		3715	Miura Corporation
		2031	MIWA LOCK CO., LTD.
		282	MIYAKAWA ELECTRIC WORKS LTD.
		3866	Mobile Techno Corp.
		3258	mofiria Corporation
		33	MURATA MACHINERY, LTD.
		123	Murata Manufacturing Co., Ltd.
		204	MUTOH INDUSTRIES, LTD.
			[O]
		82	NAGANO JAPAN RADIO CO., LTD.
		2505	NAGATSUKA
		716	NAGOYA ELECTRIC WORKS CO., LTD.
		3290	NAITO DENSEI MACHIDA MFG.CO.,LTD.
		1163	Nakajima All Precision Co., Ltd.
		146	NAKAYO, INC.
		3546	NANABOSHI ELECTRIC MFG. CO., LTD.
		126	NCR Japan, Ltd.
		2196	NCR Services Japan, Ltd
			[P]
		3870	NEC Communication Systems, Ltd.
		1	NEC Corporation
		1394	NEC Display Solutions, Ltd.
		3296	NEC Embedded Products, Ltd.
		2729	NEC Magnus Communications
		825	NEC Network and sensor Systems, Ltd
		1781	NEC Networks & System Integration Corporation
		567	NEC Personal Computers, Ltd.
		25	NEC Platforms, Ltd.
		2644	NEC Solution Innovators, Ltd.
		498	NEWTech CO., LTD.
		3886	NextGen Business Solutions, Inc.
		450	NHK SPRING CO., LTD.
		3836	NICHIEI INTEC CO., LTD
		1566	Nichigaku Co., Ltd.
		2989	NIDEC SANKYO CORPORATION
		2807	NIE Co., Ltd.
		130	Nihon Unisys, Ltd.
		356	NIKON CORPORATION
		1671	NIKON VISION CO., LTD.
		1363	NIKON-TRIMBLE CO., LTD.
		119	Nintendo Co., Ltd.
		2221	NIPPON ANTENNA 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 EAST CORPORATION
		1278	NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION
		3895	NMR Corporation
		3511	Nokia Solutions and Networks Japan Corp.
		3506	NORITAKE ITRON CORPORATION
		394	NTT Advanced Technology Corporation
		1275	NTT Communications Corporation
		329	NTT DATA CORPORATION
		457	NTT Electronics Corporation
		3643	NTTDATA INTELLILINK CORPORATION
			[Q]
		443	OA LABORATORY CO., LTD.
		3821	OCT Co., Ltd.
		3284	OFFICE24 CO., LTD.
		197	Oi Electric Co., Ltd.
		307	Oki Communication Systems Co., Ltd.
		624	Oki Data CORPORATION
		9	Oki Electric Industry Co., Ltd.
		463	OLYMPUS CORPORATION
		56	OMRON Corporation
		2857	OMRON HEALTHCARE CO., LTD.
		3939	OMRON SOCIAL SOLUTIONS CO., LTD.
		3663	Onkyo & Pioneer Corporation
		3237	ONKYO DIGITAL SOLUTIONS CORPORATION
		1812	OPTOELECTRONICS Co., Ltd.
		223	Oracle Information Systems (Japan) G.K.
			[R]
		15	Panasonic Corporation
		1780	Panasonic Eco Solutions Networks Co., Ltd.

3790	Panasonic Mobile Communications Co., Ltd.	2868	SHOFU INC.	1939	TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION	3487	Aerohive Networks, Inc. (USA)	3615	b-plus GmbH (GERMANY)	3251	DataDirect Networks, Inc. (USA)	
17	Panasonic System Solutions Japan Co., Ltd.	1922	SIGMA CORPORATION			3419	AISolution (KOREA)	1809	Broadcom Corporation (USA)	131	Datalogic Srl (ITALY)	
2234	PENTEL Co., Ltd.	434	silex technology, Inc.	3403	TOSHIBA LIGHTING & TECHNOLOGY CORPORATION	3201	AJA Video Systems Inc. (USA)	2766	Brocade Communications Systems LLC (USA)	527	Dell Inc. (USA)	
144	PFU Limited	153	SINFONIA TECHNOLOGY Co., LTD.			3949	ALE International (FRANCE)			2804	Delphi Display Systems, Inc. (USA)	
138	PHC Corporation	3854	SINKA Corporation	3804	Toshiba Memory Corporation	2383	Alpha Networks Inc. (CHINESE TAIPEI)	3902	BULL SAS (FRANCE)	568	DELTA ELECTRONICS, Inc. (CHINESE TAIPEI)	
302	PHOTRON LIMITED	2093	Sknet Corporation Ltd.	48	TOSHIBA TEC CORPORATION	3972	AMCS LLC (USA)			3045	Delta Electronics, Inc. (CHINESE TAIPEI)	
3104	PicoCELA Inc.	3502	Smart Solution Technology, Inc.	164	TOTOKU ELECTRIC CO., LTD.	1565	AMD (CANADA)	[C]		671	Digi International Inc. (USA)	
11	PIONEER ELECTRONIC CORPORATION	795	SMK Corporation	797	Touch Panel Systems K.K.	2988	Amphenol Corporation - Amphenol AssembleTech Division (USA)	3755	Cadence Design Systems, Inc. (USA)	3777	Digital Check Corporation (USA)	
1448	Pixela Corporation	3872	SNK CORPORATION	3018	Transaction Media Networks Inc.	2873	Ampronix Inc. (USA)	2135	佳能電産香港有限公司 (HONG KONG)	3422	Digital View Limited (HONG KONG)	
1364	Planex Communications, Inc.	3247	SoftBank Corp.	2269	Transtron Inc.	683	Amtran Technology Co., Ltd. (CHINESE TAIPEI)	3630	Canon Korea Business Solutions Inc. (KOREA)	1461	DIVA Laboratories, Ltd. (CHINESE TAIPEI)	
3628	Plat' Home Co., Ltd.	3676	Soltec. Japan. Limited	2309	Trend Micro Incorporated			3957	Carl Zeiss AG (GERMANY)	448	D-Link Corporation (CHINESE TAIPEI)	
545	PLUS Corporation	93	SONY CORPORATION			3674	Apacer Technology Inc. (CHINESE TAIPEI)	3963	CarVi., Inc. (KOREA)	3326	DMX, LLC. d/b/a Mood Media (USA)	
2661	Primagest, Inc.	856	Sony Interactive Entertainment Inc.	[U]		400	APC by Schneider Electric (USA)	2354	CastleNet Technology Inc. (CHINESE TAIPEI)	3723	dnp denmark as (DENMARK)	
2041	Princeton Ltd.	3620	Sony Mobile Communications Inc.	907	UCHIDA YOKO CO., LTD.	2656	Applanix Corporation (CANADA)	3449	Castles Technology Co., Ltd. (CHINESE TAIPEI)	3917	DriveScale, Inc. (USA)	
3840	Project Ryukyuu Co., Ltd	5	SORD CORPORATION	582	UMEZAWA TECHNICAL LABORATORY CO., LTD.	482	Apple, Incorporated (USA)	3035	CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd. (CHINA)	3868	DUPLICALL CO., LIMITED (CHINA)	
	[Q]	269	SORITON SYSTEMS K.K.	2045	UNIADEX, Ltd.	3858	Applied Medical Resources Corporation (USA)	3679	Celestica Technology Consultancy (Shanghai) Co., Ltd. (CHINA)		[E]	
3471	QUADRAC Co., Ltd.	521	SOSHIN ELECTRIC CO., LTD.	3202	Unipulse Corporation	2431	Apricorn, Inc. (USA)	3028	Cell Technology Limited (HONG KONG)	3791	EDGECORE NETWORKS CORPORATION (CHINESE TAIPEI)	
2651	Qualica Inc.	180	STAR MICRONICS CO., LTD.	3144	Unitech Japan co., Ltd.	3027	Arista Networks, Inc. (USA)	3229	Champ Vision Display Inc. (CHINESE TAIPEI)	2628	Edgewater Networks, Incorporated (USA)	
2203	QUIXUN PRODUCTS CO., LTD.	2575	StoreNet Corp.	2087	UNITEX Corporation	3946	Arlo Technologies, Inc. (USA)	2015	Check Point Software Technologies Ltd. (ISRAEL)	1482	Edimax Technology Co., Ltd. (CHINESE TAIPEI)	
	[R]	97	SUMITOMO ELECTRIC INDUSTRIES, LTD.	3633	UPS Solutions Co., Ltd.	1627	ARRAY NETWORKS, INC. (USA)	2974	Chelsio Communications, Inc. (USA)	3672	Elatec GmbH (GERMANY)	
763	RATOC Systems, Inc.	165	Sumitomo Electric System Solutions Co., Ltd.			2084	ARRIS (USA)	1638	Cheng Uei Precision Industry Co., Ltd. (CHINESE TAIPEI)	877	Elitegroup Computer Systems Co., Ltd. (CHINESE TAIPEI)	
3843	Relay2 Japan K.K.	1197	Sumitomo Wiring Systems, Ltd.			2276	Artesyn Product Testing Services (USA)	2462	Cherry Americas, LLC (USA)	3964	EM-TECH (KOREA)	
2760	Renesas Electronics Corporation	1001	SUN CORPORATION	3578	VAIO Corporation	2148	Asian Power Devices Inc. (CHINESE TAIPEI)	636	Cherry GmbH (GERMANY)	1068	Emulex Corporation (USA)	
16	Ricoh Co., Ltd.	3764	SUN-WA TECHNOS CORPORATION	2109	VarioSecure Inc.	1285	ASKEY COMPUTER CORP. (CHINESE TAIPEI)	882	CHICONY ELECTRONICS CO., LTD. (CHINESE TAIPEI)	3457	Ergotron, Inc. (USA)	
690	RICOH IMAGING COMPANY, LTD.	3785	SYNCLAYER INC.	3426	V-net Corporation Limited	3504	Aspect Software, Inc. (USA)	3305	CHRISTIE DIGITAL SYSTEMS CANADA INC. (CANADA)	3823	ESSENCORE LIMITED (KOREA)	
38	RICOH INDUSTRY CO., LTD.	3570	Systemk Corporation			2208	Astec International Limited (HONG KONG)	3874	Christie Digital Systems USA, Inc. (USA)	1080	EtherWAN Systems Inc. (CHINESE TAIPEI)	
3692	RION CO., LTD.		[T]			3911	Astro HQ LLC (USA)	2846	Ciena (USA)	3608	Eve Systems GmbH (GERMANY)	
175	RISO KAGAKU CORPORATION	606	TAIYO SEIKI COMPANY., LTD.	177	Wacom Co., Ltd.	1011	ASUSTek Computer Inc. (CHINESE TAIPEI)	2163	Cisco Systems International BV (THE NETHERLANDS)	2732	EVOLIS (FRANCE)	
59	ROLAND DG CORPORATION	163	TAIYO YUDEN CO., LTD.	3889	WATEX CO., LTD.	1149	Aten International Co., Ltd. (CHINESE TAIPEI)	493	Cisco Systems, Inc. (USA)	3787	Exablaze (AUSTRALIA)	
1708	Routrek Networks, Inc.	283	TAKACOM CORPORATION	3495	Welcat Inc.	3553	Atop Technologies, Inc. (CHINESE TAIPEI)	3190	Citrix Systems, Inc. (USA)	2889	ExaGrid Systems, Inc. (USA)	
3573	RYOWA ELECTRONICS CO., LTD.	326	TAKAMISAWA CYBERNETICS CO., LTD.			3124	ATP Electronics Taiwan Inc. (CHINESE TAIPEI)	3816	Clavister AB (SWEDEN)	3897	EXTERITY LIMITED (U.K.)	
	[S]	3400	Takara telesystems Co., Ltd.			3464	Atrust Computer Corp. (CHINESE TAIPEI)	702	CLEVO CO. (CHINESE TAIPEI)	1406	Extreme Networks, Inc. (USA)	
351	SANEI ELECTRIC INC.	2847	TAKASAGA LTD.			3222	ATTO Technology, Inc. (USA)	989	Clientron Corp. (CHINESE TAIPEI)	3524	Extron Electronics (USA)	
3909	Sangikyo Corporation	2691	TAKENAKA ENGINEERING CO., LTD.			2097	Audiocodes LTD. (ISRAEL)	3634	CognitiveTPG, LLC. (USA)	3936	eze System, Inc. (USA)	
83	SANKEN ELECTRIC CO., LTD.	3733	Tama Electronics Industry Corp.			687	AVAGO Technologies (USA)	3770	Cohesity, Inc. (USA)		[F]	
2881	SANWA SUPPLY INC.	1973	TAMURA CORPORATION			3705	Avalue Technology Inc. (CHINESE TAIPEI)	3659	COLEBROOK BOSSON SAUNDERS LTD. (U.K.)	1440	F5 Networks, Inc. (USA)	
920	SANYO DENKI CO., LTD.	206	TATSUNO CORPORATION			2888	AVer Information Inc. (CHINESE TAIPEI)	297	Compal Electronics, Inc. (CHINESE TAIPEI)	3948	Facebook Technologies, LLC (USA)	
19	SANYO Techno Solutions Tottori CO., Ltd.	39	TDK CORPORATION			3244	Avere Systems, Inc. (USA)	3486	Contec DTx Inc. (USA)	3817	Fibar Group S.A. (POLAND)	
355	SATO CORPORATION	3137	TDK Corporation			1933	AVerMedia Technologies Inc. (CHINESE TAIPEI)	2240	Contela, Inc. (KOREA)	1926	FIMI s.r.l. (ITALY)	
3799	SATSUKI CO., LTD.	75	TEAC CORPORATION					3908	Corero Network Security Inc. (USA)	3661	FireEye, Inc. (USA)	
127	SAXA, Inc.	3727	Technicolor Japan K.K.					779	Coretronic Corporation (CHINESE TAIPEI)	1925	FIRICH ENTERPRISES CO. LTD. (CHINESE TAIPEI)	
3331	Scalar Corporation	3717	TECHNO BROAD, INC.					3483	Coriant Operations Inc (USA)	2823	Flextronics International (Taiwan) Ltd. (CHINESE TAIPEI)	
451	SCREEN Graphic Solutions Co., Ltd.	2449	Techno Link Co., Ltd.					3622	Coriant Oy (FINLAND)	3589	FLIR COMMERCIAL SYSTEMS, INC. (USA)	
3346	Seedsware Corporation	3734	Techno Science Japan Co., Ltd.					3780	Cradlepoint, Inc. (USA)	1977	Fortinet, Inc. (USA)	
55	SEIKO EPSON CORPORATION	2231	Technology Link Corporation					3458	Cray Inc. (USA)	2247	Foxlink Technology Ltd. (HONG KONG)	
50	Seiko Instruments Inc.	3267	TechnoMatrYx Inc.					3551	Crestron Electronics, Inc. (USA)	3294	Fujian Centerm Information co., Ltd. (CHINA)	
3484	SEIKO Solutions Inc.	174	TERAOKA SEIKO CO., LTD.					2871	CTC Union Technologies Co., Ltd. (CHINESE TAIPEI)	3739	FUJIFILM Visual Sonics, Inc. (CANADA)	
2568	SEIKO TIME SYSTEMS INC.	830	THE FURUKAWA ELECTRIC CO., LTD.					2499	Cyber Power Systems, Inc. (CHINESE TAIPEI)	1468	Fujitsu Technology Solutions GmbH (GERMANY)	
3602	SEITEC CO., LTD.	3516	TKR CORPORATION					3809	Cyviz AS (NORWAY)			
777	SEIWA ELECTRIC MFG CO., LTD.	3952	Tobila Systems Inc.						[D]			
514	SEKONIC CORPORATION	179	TOEI ELECTRONICS CO., LTD.						2486	D&T Inc. (KOREA)		[G]
13	Sharp Corporation	3583	TOKIN Corporation						3904	DAEJIN DMP CO., LTD (KOREA)		
3338	SHIBUTANI CO., LTD.	2490	TOMY Company, Ltd.						3693	Darfon Electronics Corp. (CHINESE TAIPEI)		
3167	Shin Shin Co., Ltd.	2867	TOPPAN FORMS CO., LTD.						2033	DASAN Network Solutions, Inc. (KOREA)		
3710	Shin Shin Tech. Co. Ltd.	2047	Toppan Printing Co., Ltd.						339	DASAN Zhone Solutions, Inc. (USA)		
193	Shindengen Electric Manufacturing Co., Ltd.	1669	Topre Corporation									
2074	SHINJUKU JAPANESE LANGUAGE INSTITUTE	244	TOSHIBA DIGITAL SOLUTIONS CORPORATION									
73	SHINKO SEISAKUSHO CO., LTD.	3825	Toshiba Electronic Device & Storage Corporation									
3673	Shinsei Corporation	3459	Toshiba Global Commerce Solutions Holdings Corporation									
341	SHINSEI INDUSTRIES CO., LTD.	37	Toshiba Infrastructure Systems & Solutions Corporation									

<Overseas>
No. Company (Country or Region Name)

	[A]		
2548	A10 Networks, Inc. (USA)		
3955	AAEON Technology Inc. (CHINESE TAIPEI)		
3603	Aava Mobile Oy (FINLAND)		
1170	AcBel Polytech Inc. (CHINESE TAIPEI)		
3314	Accedian Networks Inc. (CANADA)		
3894	Accelink Technologies Co., Ltd. (CHINA)		
3945	Access Limited (U.K.)		
379	ACCTON Technology Corp. (CHINESE TAIPEI)		
215	Acer Incorporated (CHINESE TAIPEI)		
3853	Acrox Technologies Co., Ltd. (CHINESE TAIPEI)		
2353	A-DATA Technology Co., Ltd. (CHINESE TAIPEI)		
3515	Adtran Inc. (USA)		
2952	Advanced Card Systems Limited (HONG KONG)		
1320	ADVANTECH CO., LTD. (CHINESE TAIPEI)		

3954	Genew Technologies Co., Ltd. (CHINA)	3339	Katron Technologies Inc. (CHINESE TAIPEI)	1418	NETGEAR, Inc. (USA)	3658	Pulse Secure, LLC (USA)	3773	SonicWall Inc. (USA)	3291	Voyetra Turtle Beach, Inc. (USA)
1559	GIGA-BYTE TECHNOLOGY CO., LTD. (CHINESE TAIPEI)	3325	Kent Displays, Inc. (USA)	1533	Netronix Inc. (CHINESE TAIPEI)	3818	Pure Storage Inc. (USA)	3829	Sonoma Acoustics Ltd. (USA)	3752	VT iDirect, Inc. (USA)
3890	Gigamon Inc. (USA)	2845	Kingston Digital, Inc. (USA)	3712	Netronome Systems, Inc. (USA)			3808	Sonos, Inc. (USA)	3125	Vuzix Corporation (USA)
2945	Global Scanning Denmark A/S (DENMARK)	3788	KISAN TELECOM Co., LTD. (KOREA)	667	NetScout Systems, Inc. (USA)		[Q]	3249	Sophos Ltd. (U.K.)		
3443	Global Scanning UK Ltd. (U.K.)	3906	Knectek Labs Inc. (CANADA)	1316	Network Engines Inc, DBA "NEI", & DBA "Unicom Engineering Inc." (USA)	2841	Qisda Corporation (CHINESE TAIPEI)	3650	Spectra Logic Corporation (USA)		[W]
2630	GlobTek, Inc. (USA)	3574	Konftel AB (SWEDEN)	3865	NETWORK INTEGRITY SYSTEMS (USA)	1182	Qlogica a Cavium company (USA)	3447	SteelSeries ApS (CHINESE TAIPEI)	3892	WALT DISNEY PARKS RESORTS U.S., INC. (USA)
2419	GOOD WAY TECHNOLOGY CO., LTD. (CHINESE TAIPEI)		[L]	2608	New H3C Technologies Co., Ltd. (CHINA)	3162	QNAP Systems, Inc. (CHINESE TAIPEI)	1498	Stratus Technologies, Inc. (USA)	3699	Waterfall Security Solutions LTD. (ISRAEL)
3078	Google LLC (USA)	3924	Lanner Electronics Inc. (CHINESE TAIPEI)	3362	Newline Interactive Inc. (CHINESE TAIPEI)	2261	Qualys Inc. (USA)	3914	SUMIT Co., Ltd. (KOREA)	3852	WAWGD, Inc. d.b.a. Foresight Sports (USA)
3824	Goomeedi Laboratories, Ltd. (CHINESE TAIPEI)	2152	Lantronix Inc. (USA)	1961	NEXCOM International Co., LTD. (CHINESE TAIPEI)	3623	Quanta Cloud Technology Inc. (CHINESE TAIPEI)	3795	Sungchang telecom co. ltd. (KOREA)	3763	Weihai Daewoo Electronics Co., Ltd. (CHINA)
3905	Gosuncn Technology Group Co., Ltd. (CHINA)	3454	LC Future Center Limited Taiwan Branch (CHINESE TAIPEI)	3798	NextDrive Co., LTD. (CHINESE TAIPEI)	726	QUANTA COMPUTER INC. (CHINESE TAIPEI)	3243	SUNIX Co., Ltd. (CHINESE TAIPEI)	2432	Western Digital Technologies, Inc. (USA)
3720	G-SMATT Co., Ltd. (KOREA)	740	LEADTEK RESEARCH INC. (CHINESE TAIPEI)	3845	NOASystems Co., Ltd. (KOREA)	2039	Quanta Storage Inc. (CHINESE TAIPEI)	2933	Sunrex Technology Corp (CHINESE TAIPEI)	1718	WIBU-SYSTEMS Aktiengesellschaft (GERMANY)
3920	Guangdong Chuntex Elite Electronic Technology Co., Ltd (CHINA)	1342	LEICA CAMERA AG (GERMANY)	3640	Nokia of America Corporation (USA)	1012	Quantum Corporation (USA)	1880	SUPER MICRO COMPUTER INC. (USA)	2418	WIDE CORPORATION (KOREA)
	[H]	674	Lexmark International, Inc. (USA)	308	Nokia-Global Product Compliance Laboratory (USA)	3842	Qucell Networks Co., Ltd. (KOREA)	3792	Suzhou Lohui Display Co., Ltd. (CHINA)	3847	WILK ELEKTRONIK S.A. (POLAND)
3599	HappyOrNot Ltd. (FINLAND)	256	LG Electronics Inc. (KOREA)	3139	NT-ware Systemprogrammierung GmbH (GERMANY)		[R]	3085	Symantec Corporation (USA)	2912	Wins Co., Ltd. (KOREA)
1918	HARMONIC INC. (USA)	3885	Lifesize Inc. (USA)	1904	NueTeq Technology, Inc. (CHINESE TAIPEI)	3430	RAD Data Communications Ltd. (ISRAEL)	3815	Synology Inc. (CHINESE TAIPEI)	1767	Wistron Corporation (CHINESE TAIPEI)
3759	HFR, Inc. (KOREA)	3899	Light Blue Optics Limited (U.K.)	3336	Nutanix, Inc. (USA)	2407	Radware Ltd. (ISRAEL)		[T]	3145	Withings (FRANCE)
3736	HGST Inc. (USA)	3919	LINE INCORPORATION LTD. (BERGIUM)	1423	NVIDIA CORPORATION (USA)	3371	Rakuten Kobo Inc. (CANADA)	3838	T.I.T. ENG Co., Ltd. (KOREA)	3423	Wiwynn Corporation (CHINESE TAIPEI)
3059	HID Global Corporation (USA)	3926	LINKFLOW Co., Ltd. (KOREA)		[O]	1895	Raritan International B.V. Taiwan Branch (CHINESE TAIPEI)	3271	TA Technology (Shanghai) Co., Ltd. (CHINA)	3844	Wowza Media Systems, LLC (USA)
3372	Hitachi Vantara (U.K.)	495	Lite On Technology Corp. (CHINESE TAIPEI)	3261	Oce Technologies B.V. (THE NETHERLANDS)	3888	Rein Medical GmbH (GERMANY)		[X]		
1724	Hon Hai Precision Industry Co., Ltd. (CHINESE TAIPEI)	3813	Logic Supply, Inc. (USA)	3871	OCTON INC. (CHINESE TAIPEI)	3947	REMOTECH TECHNOLOGY LTD. (HONG KONG)	3175	Taiwan BOE Vision-electronic Technology Co., Ltd. (CHINESE TAIPEI)	3359	XAC Automation Corporation (CHINESE TAIPEI)
3235	Honeywell Scanning & Mobility (USA)	532	Logitech Inc. (USA)	3827	One Stop Systems (USA)	3931	RetailNext, Inc. (USA)	1078	Tandberg Data GmbH (GERMANY)	2827	Xerox Corporation (USA)
3837	Hong Kong Colorful Yugong Technology Limited (CHINA)	3398	Lookingglass Cyber Solutions (USA)	3550	Opengear Inc. (USA)	3437	RF Ideas, Inc. (USA)	3901	Telesream, LLC (USA)	3900	Xiamen Intretech Inc. (CHINA)
3385	Hon-Kwang Electric Co., Ltd. (CHINESE TAIPEI)	3832	Loop Labs Inc. (USA)	241	Oracle America, Inc. (USA)	2715	RF Window Co., Ltd. (KOREA)	3758	Tembo Systems, Inc. (USA)	3912	XILINX, INC. (USA)
1968	Huawei Technologies CO., LTD. (CHINA)	2757	Lumentum Operations LLC (USA)	3916	ORION Co., LTD (KOREA)	1558	Ribbon Communications Inc. (USA)	3867	Tempered Networks, Inc. (USA)	3538	XYZprinting, Inc. (CHINESE TAIPEI)
3625	HUMAX Co., Ltd. (KOREA)		[M]	3062	Orion Technology Co., Ltd. (KOREA)	2377	Rimage Corporation (USA)	2943	Teradata Corporation (USA)		[Z]
3595	Hye Solutions Corporation (USA)	1133	Magic Control Technology Corporation (CHINESE TAIPEI)	577	Ortronic, Inc. (USA)	2529	Riverbed Technology (USA)	3782	Thales e-Security, Inc. (USA)	1143	Zebra Technologies Corporation (USA)
	[I]	2105	Malvern Instruments Limited (U.K.)	3913	Owl Cyber Defense Solutions, LLC (USA)	3076	Robert Bosch Taiwan Co., Ltd. (CHINESE TAIPEI)	3120	Thecus Technology Corp. (CHINESE TAIPEI)	1229	ZEBRA TECHNOLOGIES CORPORAION (USA)
3031	I/O INTERCONNECT INC. (CHINA)	3850	Manufacturing Resources International (USA)	3657	OXTI CORPORATION (CHINESE TAIPEI)	3761	ROCCAT Asia Pacific Co., Ltd. (CHINESE TAIPEI)	3719	THINKWARE CORPORATION (KOREA)	3953	Zhejiang Libiao Robotics Co., Ltd. (CHINA)
560	Identiv, Inc. (USA)	359	Matrox Electronic Systems (CANADA)		[P]	3389	RSUPPORT CO., LTD. (KOREA)	3883	Thunder Software Technology Co., Ltd. (CHINA)	3499	ZIN CORPORATION Co., Ltd. (KOREA)
1737	IEI Integration Corp. (CHINESE TAIPEI)	1090	McAfee, LLC. (USA)	3441	Palo Alto Networks Inc. (USA)	3716	Rubrik International Inc. (USA)	3005	TIBCO Software Inc. (USA)	3903	ZIONCOM ELECTRONICS (SHENZHEN) LTD. (CHINA)
3670	IGEL Technology GmbH (GERMANY)	3930	McDowell Signal Processing, LLC (dba McDSP) (USA)	3434	Panasas, Inc. (USA)	2480	Ruckus Wireless, Inc. (USA)	3466	Tigo Energy, Inc. (USA)	3729	ZPE Systems (USA)
1272	IYAMA CORPORTION (THE NETHERLANDS)	2863	Mellanox Technologies, Ltd. (ISRAEL)	2372	Panduit Corp. (USA)		[S]	3713	Tintri, Inc. (USA)	3956	ZT GROUP INT'L, INC. (USA)
2368	Imaging Business Machines, LLC (USA)	3442	Meraki, Inc. (USA)	3395	ParTech Inc. (USA)	2750	SAMPO Corporation Ltd (CHINESE TAIPEI)	3806	Tiun Yuan Technology Co., Ltd. (CHINESE TAIPEI)	3354	ZTE Corporation (CHINA)
3591	Imperva, Inc. (ISRAEL)	3921	Microchip (ISRAEL)	1808	PARTNER TECH CORP. (CHINESE TAIPEI)	271	SAMSUNG ELECTRONICS Co.,Ltd. (KOREA)	3626	Tobii Technology AB (SWEDEN)	3646	ZUNIDATA SYSTEMS INC. (CHINESE TAIPEI)
2664	Infinera Corporation (USA)	3102	Micron Technology, Inc. (USA)	3360	PC WORTH INT'L CO., LTD. (CHINESE TAIPEI)	2168	SanDisk IL (ISRAEL)	1601	Top Victory Electronics Co., Ltd. (CHINESE TAIPEI)	2596	Zylux Acoustic Corporation
2472	INFOBLOX (USA)	1639	Microsemi (ISRAEL)	2869	PEGATRON CORPORATION (CHINESE TAIPEI)	3627	Sanmina Corp (USA)				
3421	Ingenico Inc. (USA)	3786	Microsemi Frequency & Time Corporation (USA)	3851	PERVASIVE DISPLAYS INC. (CHINESE TAIPEI)	3707	Savvius, Inc. (USA)	3652	TP-LINK Technologies Co., Ltd. (CHINA)		
3831	Ingrasys Technology Inc. (CHINESE TAIPEI)	768	MICROSOFT CORPORATION (USA)	2614	Philips & Lite-On Digital Solutions Corp. (CHINESE TAIPEI)	1416	Seagate Cloud Systems, Inc. (USA)	3542	TransAct Technologies Incorporated (USA)		
3460	Interconnect System Inc. (USA)	1573	Micro-Star International Co., Ltd. (CHINESE TAIPEI)			3046	Seagate Technology (USA)	3695	Trenton Systems (USA)		
3519	Interface Masters Technologies, Inc. (USA)	3632	Milestone Systems A/S (DENMARK)	2181	PIOLINK, Inc. (KOREA)	2552	SEH Computertechnik GmbH (GERMANY)	3781	Trustwave Holdings, Inc. (USA)		
378	Inventec Corporation (CHINESE TAIPEI)	1433	MITAC COMPUTING TECHNOLOGY CORPORATION (CHINESE TAIPEI)	3492	piQx Imaging Pte. Ltd. (SINGAPORE)	3239	SendTek Corporation (CHINESE TAIPEI)	3565	Twinhead International Corp. (CHINESE TAIPEI)		
2947	IPEVO Corp (CHINESE TAIPEI)	1896	MitraStar Technology Corporation (CHINESE TAIPEI)	3925	Pismo Labs Technology Limited (HONG KONG)	481	SerComm Corporation (CHINESE TAIPEI)		[U]		
	[J]	3961	MONITORAPP Co., Ltd. (KOREA)	3878	PixMob (CANADA)	3760	Shenzhen 3NOD Information Technology Co., Ltd. (CHINA)	3609	UGREAT ELECTRONIC CO., LTD. (CHINESE TAIPEI)		
3779	JiranSecurity Co., Ltd. (KOREA)	754	MONTEREY INTERNATIONAL CORP. (CHINESE TAIPEI)	2524	Plantronics Inc. (USA)	3219	Shenzhen Bitland Information Technology Co., Ltd. (CHINA)	886	Universal Global Scientific Industrial Co., Ltd. (CHINESE TAIPEI)		
1164	Juniper Networks, Inc. (USA)	3529	MOXA INC. (CHINESE TAIPEI)	3635	Plexxi, Inc. (USA)	3618	Shuttle Inc. (CHINESE TAIPEI)	3875	UPG Company LLC (USA)		
	[K]		[N]	3642	PNY TECHNOLOGIES Asia Pacific Limited (CHINESE TAIPEI)	2306	Silicom Ltd. (ISRAEL)		[V]		
3754	Kaga (H.K.) Electronics Limited (HONG KONG)	3002	NDS Surgical Imaging (USA)	578	Polycom, Inc. (U.K.)	2535	Silver Peak Systems, Inc. (USA)	3730	Velocloud Networks, Inc. (USA)		
3683	Kaonmedia Co., LTD. (KOREA)	3374	Pride Tech Corporation (CHINESE TAIPEI)	3559	Portwell, Inc. (CHINESE TAIPEI)	3131	SK hynix Inc. (KOREA)	585	Vertiv IT Systems, Inc. (USA)		
		851	Primax Electronics Ltd. (CHINESE TAIPEI)	3146	Power Quotient International Co., Ltd. (CHINESE TAIPEI)	1960	SMART Modular Technologies, Inc. (USA)	3918	VEXATA, INC. (USA)		
		1910	PROMISE TECHNOLOGY, INC. (CHINESE TAIPEI)			3805	SMC Networks, Inc. (USA)	3003	ViaSat, Inc. (USA)		
		3726	PSI Laser GmbH (GERMANY)	2062	POWERCOM CO., LTD. (CHINESE TAIPEI)	3384	SMEC CO., LTD. (KOREA)	2595	ViaScope Inc. (KOREA)		
				3279	Solarflare Communicaitons Inc. (U.K.)	3631	SoftBank Robotics Europe (FRANCE)	3613	ViewSonic International Corporation (CHINESE TAIPEI)		
				3880	SolarEdge Technologies Ltd. (ISRAEL)	2597	Solace Corporation (CANADA)	3194	Vigilent Corporation (USA)		
				3279	Solarflare Communicaitons Inc. (U.K.)	3880	SolarEdge Technologies Ltd. (ISRAEL)	3439	Virtual Instruments Corporation (USA)		
				794	SOLID YEAR CO.,LTD. (CHINESE TAIPEI)	3279	Solarflare Communicaitons Inc. (U.K.)	2443	VIVOTEK INC. (CHINESE TAIPEI)		
				3158	SOLiD, Inc. (KOREA)	794	SOLID YEAR CO.,LTD. (CHINESE TAIPEI)				
						3158	SOLiD, Inc. (KOREA)				

Supporting Members

<Japanese>

No. Company Name

	[A]		
3740	AKITA Industrial Technology Center		
3196	ANRITSU CUSTOMER SUPPORT CO., LTD.		
	[C]		
1192	Chiba Industry Advancement Center Tokatsu Techno Plaza		
1846	Chokuan Information and Industry Development Association		
755	COSMOS CORPORATION		
	[D]		
3807	DENSO EMC ENGINEERING SERVICE CORPORATION		
	[E]		
997	E & C Engineering K.K.		

1263	Ehime Institute of Industrial Technology	[N]	1257	AUDIX Technology (Shanghai) Co., Ltd. (CHINA)	[E]		[J]	2218	Shenzhen Huatongwei International Inspection Co., Ltd. (CHINA)	
259	EMC Japan Corporation	352	Nagano Prefectural General Industrial Technology Center Precision. Electronics & Aviation Technology Department	638	Audix Technology (Shenzhen) Co., Ltd. (CHINA)	3756	East China Institute of Telecommunications (CHINA)	3863	Shenzhen Huaxia Testing Technology Co., Ltd. (CHINA)	
300	e-OHTAMA, LTD.			2653	Audix Technology (WuJiang) Co., Ltd. (CHINA)	3561	EKTOS Testing & Reliability Services A/S (DENMARK)	3951	Shenzhen Microtest Co., Ltd. (CHINA)	
1906	ETS-Lindgren Japan, Inc.	3592	NIPPON SEIKI CO., LTD.	237	Audix Technology Corporation (CHINESE TAIPEI)			3884	Shenzhen Morlab Communications Technology Co., Ltd. (CHINA)	
	[F]	3562	NISSEI ELECTRIC CO., LTD.		[B]	1607	Electrical and Electronics Institute (EEI), Thailand (THAILAND)	1980	KCTL Inc. (KOREA)	
2865	FUJIFILM Techno Products Co., Ltd.	684	NOISE LABORATORY CO., LTD.	981	Bay Area Compliance Laboratories Corp. (USA)	922	ELECTRO MAGNETIC TEST, INC. (USA)	3669	KES Co., Ltd. (KOREA)	
1115	FUJITSU GENERAL EMC LABORATORY LIMITED	2689	Noritz Corporation	3929	Bay Area Compliance Laboratories Corp. (Kunshan) (CHINA)	2870	ElectroMagnetic Investigations, LLC (USA)	3465	Keystone Compliance, LLC (USA)	
3893	Fukushima medical device industry promotion agency		[O]	3776	Bay Area Compliance Laboratories Corp. (Taiwan) (CHINESE TAIPEI)	277	Electronics Testing Center, Taiwan (CHINESE TAIPEI)	2005	KOSTEC Co., Ltd. (KOREA)	
575	Fukushima Technology Centre	3568	OHTAMA CALIBRATION SERVICE Co., Ltd.	3387	Bay Area Compliance Labs Corp., (ShenZhen) (CHINA)	564	Element Materials Technology Portland-Evergreen Inc. (USA)		[L]	
	[G]	3862	Oita Industrial Research Institute	3329	BEC Incorporated (USA)	657	Element Materials Technology Warwick Ltd. (U.K.)	3376	Laboratoria De Nayer VZW (BERGIUM)	
1007	GE Healthcare Japan Corporation	898	OKI ENGINEERING CO., LTD.	3940	Beijing Boomwave Test Service Co., Ltd. (CHINA)	785	EMC Technologies Pty Ltd. (AUSTRALIA)	3656	Lab-T, Inc. (KOREA)	
	[H]		[P]	672	BTL Inc. (CHINESE TAIPEI)	1409	EMCCons DR. RASEK GmbH & Co. KG (GERMANY)	3533	LCIE Bureau Veritas (FRANCE)	
423	HIROSHIMA-TECHNOPLAZA CORPORATION	2024	Panasonic Smart Factory Solutions Co., Ltd.	2709	BTL Inc. (CHINA)	2210	EMITECH Angers (FRANCE)	2411	LTA Co., Ltd. (KOREA)	
1823	Hitachi High-Technologies Corporation	608	Panasonic System Networks Evaluation Technology Co., Ltd.	3859	BTL Inc. (CHINA)	2893	EMTEK (shenzhen) Co.,Ltd. (CHINA)		[M]	
2207	Hitachi Information & Telecommunication Engineering, Ltd. EMC Center	2923	PFU TECHNOCONSUL Limited	818	Bureau Veritas Consumer Products Services (USA)	719	EMV TESTHAUS GMBH (GERMANY)	757	MET Laboratories, Inc. (USA)	
3937	Hokkaido Research Organization, Industrial Research Institute		[R]	2213	Bureau Veritas Consumer Products Services Germany GmbH (GERMANY)	3270	EST Technology Co., Ltd. (CHINA)	2959	MiCOM Labs (USA)	
	[I]	2285	Radio Engineering & Electronics Association	395	Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch (CHINESE TAIPEI)	3470	ESTECH Co., Ltd. (KOREA)	3575	MRT Technology (Suzhou) Co., Ltd. (CHINA)	
3234	Industrial Research Institute of Niigata Prefecture	1398	RAKURYOU TECHNICA CO., LTD.	2115	Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch (CHINA)	1474	ETL Inc. (KOREA)		[N]	
397	Industrial Research Institute of Shizuoka Prefecture Hamamatsu Technical Support Center	485	RIKEN ENVIRONMENTAL SYSTEM Co., Ltd	3772	BV 7Layers Communications Technology (Shenzhen) Co., Ltd. (CHINA)	1062	Eurofins York (U.K.)	1211	National Technical Systems (USA)	
742	Industrial Technology Center of OKAYAMA Pref.	2759	Rohde & Schwarz Japan K.K.		[C]		[F]	3220	Nemko AS (NORWAY)	
2264	Industrial Technology Center of Tochigi Prefecture		[S]	1847	Central Research Technology Co. (CHINESE TAIPEI)	2778	Global Certification Corp. (CHINESE TAIPEI)	642	Nemko Canada Inc. (CANADA)	
1213	Industrial Technology Institute, Miyagi Prefectural Government	3446	Samoto & Associates, Ltd.	3177	Centre Testing International Group Co., Ltd. (CHINA)	708	Global EMC Standard Tech. Corp. (CHINESE TAIPEI)	2118	Nemko Korea Co., Ltd. (KOREA)	
999	Intertek Japan K.K.	2906	SELA Corporation	2216	Cerpass Technology Corporation (CHINESE TAIPEI)	2752	Global Testing Laboratories (USA)	720	Nemko USA Inc. (USA)	
579	IPS Corporation	2563	SGS Japan Inc.	2783	CETECOM GmbH (GERMANY)	3647	GRG Metrology & Test (Shenzhen) Co., Ltd. (CHINA)	3928	NTREE Co., Ltd. (KOREA)	
2227	ISHIKAWA Co., Ltd.	3274	Shimane Insutitute Industrial Technology	3944	CETECOM, Inc. (USA)	3677	Guangzhou Quality Supervision And Testing Institute (GQT) (CHINA)		[O]	
3649	Iwate Industrial Research Institute	1849	Sony Global Manufacturing & Operations Corporation	3812	China Academy of Information and Communications Technology (CHINA)	2092	Gumi University EMC Center (KOREA)	782	ONETECH Corp. (KOREA)	
	[J]		[T]	555	Chomerics Test Services (USA)		[H]		[P]	
3619	Japan Automobile Research Institute	346	TDK-Lambda Corporation	2765	CHUNGBUK TECHNOPARK (KOREA)		3606	Hangzhou TDT Technologies Co., Ltd. (CHINA)	656	PCTEST Engineering Laboratory, Inc. (USA)
792	JAPAN ELECTRICAL SAFETY & ENVIRONMENT TECHNOLOGY LABORATORIES	996	Tokin EMC Engineering Co., Ltd.	213	CKC Laboratories, Inc. (USA)		264	HCT Co., Ltd. (KOREA)	409	Professional Testing (EMI), Inc. (USA)
3891	Japan Gas Appliances Inspection Association	1098	TOKYO METROPOLITAN INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	530	Compatible Electronics, Inc. (USA)		592	Hermon Laboratories Ltd. (ISRAEL)		[Q]
140	JEL Limited	943	Toshiba Carrier Engineering & Life Support Corp.	1938	Compliance Certification Services (KunShan) Inc. (CHINA)		1814	Hong An Technology CO., LTD. (CHINESE TAIPEI)	3718	QAI Laboratories, Ltd. (CANADA)
	[K]	3283	Toyama Industrial Technology Research and Development Center	710	Compliance Certification Services Inc. (CHINESE TAIPEI)		3070	Hong Fu Jin Precision Electrons (Yantai) Co., Ltd. (CHINA)	1798	QualiTech, EMC Lab. (ISRAEL)
1251	Kagawa Industry Support Foundation (NEXT KAGAWA)	995	TOYO Corporation	3168	Compliance Worldwide, Inc. (USA)		1145	HURSLEY EMC SERVICES LTD (U.K.)		[R]
689	Kanagawa Institute of Industrial Science and Technology	3396	Toyota Industries Corporation	3330	Core Compliance Testing Services, LLC (USA)		[I]		1908	RETLIF Testing Laboratories (USA)
187	KITAGAWA INDUSTRIES CO., LTD.	811	TUV Rheinland Japan Ltd.	332	CSA Group bayern GmbH (GERMANY)		821	I.T.L. (PRODUCT TESTING) LTD (ISRAEL)		[S]
3569	KYB Corporation	240	TUV SUD Japan Ltd.	2981	CSA Group Testing & Certification Inc. (CANADA)		3452	International Certification Corp. (CHINESE TAIPEI)	2793	SGS Germany GmbH (GERMANY)
3304	Kyoritsu Electric Corporation	474	UL Japan, Inc	1208	CTK Co., Ltd. (KOREA)		243	International Standards Laboratory Corp. (CHINESE TAIPEI)	2934	SGS Korea Co., Ltd. (KOREA)
3934	KYOTO INSTITUTE OF TECHNOLOGY		[W]		[D]		1349	Interocean EMC Technology Corp. (CHINESE TAIPEI)	3300	SGS North America (USA)
	[L]	3318	YAMAHA MOTOR CO., LTD.		270	D.L.S. Electronic Systems, Inc. (USA)	3898	Intertek ETL SEMKO Korea Ltd. (KOREA)	1600	SGS Taiwan Ltd. (CHINESE TAIPEI)
1370	Labotech International Co., Ltd.	92	YOKOGAWA ELECTRIC CORPORATION		1153	DEKRA Testing and Certification Co., Ltd. (CHINESE TAIPEI)	960	Intertek Testing Services Hong Kong Ltd. (HONG KONG)	3061	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. (CHINA)
	[M]		<Overseas>		910	DELTA a part of FORCE Technology (DENMARK)		3598	SGS-CSTC Standards Technical Services Co., Ltd. (CHINA)	
1301	Minami-Shinsyu Iida Industry Center		No. Company (Country or Region Name)		3207	DSTech Co. (KOREA)		1145	SHANGHAI INSPECTION AND TESTING INSTITUTE OF INSTRUMENTS AND AUTOMATIC SYSTEMS (CHINA)	
1438	Miyazaki Prefecture Industrial Technology Center	3034	A Test Lab Techno Corp. (CHINESE TAIPEI)		1722	DT&C Co., Ltd. (KOREA)		2621	Shanghai Institute of Measurement and Testing Technology EMC Lab. (CHINA)	
2973	M-System Co., Ltd.	2186	APPLUS+ LGAI (SPAIN)					3525	Shenzhen Academy of Metrology and Quality Inspection (CHINA)	
	[N]	966	Atlas Compliance & Engineering, Inc. (USA)					3826	Shenzhen BALUN Technology Co., Ltd. (CHINA)	
	[O]							2257	Shenzhen FuGui Precision Industry Co., Ltd. (CHINA)	
	[P]									
	[Q]									
	[R]									
	[S]									
	[T]									
	[U]									
	[V]									
	[W]									
	[X]									
	[Y]									
	[Z]									

Settlement of Accounts for FY 2018

(Statement of net assets)

From April 1, 2018 to March 31, 2019

Item	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	(4,350,000)	(3,900,000)	(450,000)
Admission fees received	4,350,000	3,900,000	450,000
② Membership fees received	(240,200,000)	(237,150,000)	(3,050,000)
Membership fees received	240,200,000	237,150,000	3,050,000
③ Earning on enterprise fees	(18,555,000)	(16,255,000)	(2,300,000)
Site registration fees	13,763,000	14,325,000	△ 562,000
Seminar enrollment fees	4,792,000	1,930,000	2,862,000
④ Miscellaneous earnings	(1,160,014)	(2,634,555)	(△ 1,474,541)
Miscellaneous earnings	1,160,014	2,634,555	△ 1,474,541
Total ordinary earnings	264,265,014	259,939,555	4,325,459
(2) Ordinary expenditure			
① Enterprise expenditure	(211,841,233)	(213,099,520)	(△ 1,258,287)
Labor	55,750,180	54,363,217	1,386,963
Enterprise overhead	46,282,646	46,349,536	△ 66,890
Operating expenditure	3,370,475	5,775,272	△ 2,404,797
Standards setting	14,989,506	14,686,215	303,291
Technical education and training	4,043,408	3,507,059	536,349
Market surveillance	26,935,074	24,676,735	2,258,339
International relations operation	5,902,220	5,303,420	598,800
Public relations	16,459,684	18,450,583	△ 1,990,899
Site registration expenditure	29,600,000	31,236,000	△ 1,636,000
Transfer to bonus reserve fund	5,401,000	6,043,003	△ 642,003
Transfer to retirement allowance reserve fund	2,435,040	2,036,480	398,560
Transfer to officers' retirement bonus reserve fund	672,000	672,000	0
② Administrative expenditure	(29,437,377)	(29,264,916)	(172,461)
Labor	13,937,535	13,590,785	346,750
Housekeeping	13,373,082	13,486,260	△ 113,178
Transfer to bonus reserve fund	1,350,000	1,510,751	△ 160,751
Transfer to retirement allowance reserve fund	608,760	509,120	99,640
Transfer to officers' retirement bonus reserve fund	168,000	168,000	0
Total ordinary expenditure	241,278,610	242,364,436	△ 1,085,826
Current fiscal year ordinary increase and decrease amount	22,986,404	17,575,119	5,411,285

(Unit: Japanese yen)

Item	Current Fiscal Year	Previous Fiscal Year	Increase or Decrease
General net assets before tax	22,986,404	17,575,119	5,411,285
Corporation tax, residential tax, and enterprise tax	70,000	70,000	0
Current fiscal year general net assets	22,916,404	17,505,119	5,411,285
Balance of general net assets at the beginning of the term	361,290,751	343,785,632	17,505,119
Balance of general net assets at the end of the term	384,207,155	361,290,751	22,916,404
II. Balance of net assets at the end of the term	384,207,155	361,290,751	22,916,404

VLAC (Voluntary EMC Laboratory Accreditation Center)

VLAC was established in April 1999 by VCCI as an independent organization providing laboratory accreditation. VLAC accredits laboratories by inspecting whether they conform to international standards "ISO/IEC17025:2005/2017". The scope of accreditation covers emissions from multimedia devices demanded by VCCI, as well as laboratories focusing on: EMC testing (electrical and electronic devices, electrical devices for medical use, on-board electrical equipment for cars, railways, ships, and elevators, etc.), performance testing of telecommunications terminal equipment, electromagnetic field exposure testing, performance testing of wired communication terminals, air-conducted noise testing, power consumption testing of home-use electronic equipment, and safety testing. Laboratories accredited by VLAC are recognized anywhere in the world because VLAC is a signatory organization of ILAC MRA. Such laboratories enjoy the privilege of fast registration with VCCI free of charge simply by sending their certificate to the VCCI website. As of the end of FY 2018, 47 testing sites of 37 laboratories have been certified by VLAC. For details, see the VLAC website: <https://www.vlac.co.jp/>.



ILAC Combined MRA Mark



Certificate of Accreditation



Scope of Accreditation (Measurement Method)



Scope of Accreditation (Test Standards)

VCCI Commissioned Testing Laboratories



TELEC (Telecom Engineering Center) - EMC Laboratory

URL: <http://www.telec.or.jp/>

Street address: 5-7-2 Yashio, Shinagawa-ku, Tokyo, Japan 140-0003

TELEC is a testing and accreditation body that certifies conformity with technical standards of the Radio Law, engages in notified body work accredited through MRA with the EU, calibrates measurement instruments (as an agency designated by the Minister for Internal Affairs and Communications), tests radio and high-frequency equipment, and more. TELEC can also test EMC, wireless (RF), and weak radio equipment as required by VLAC's ISO/IEC17025 laboratory accreditation. Additionally, TELEC tests SAR and wireless power transfer facilities, various facilities using high-frequency radio, and antenna characteristics, and measures a variety of electromagnetic fields using open sites.



JQA (Japan Quality Assurance Organization) - Saito Electromagnetic Environment Testing Laboratory

URL: <http://www.jqa.jp/>

Street address: 7-3-10 Saito-Asagi, Ibaraki-shi, Osaka-fu, Japan 567-0085

JQA is a fair and neutral third-party organization providing services such as: inspection and registration of quality management systems such as ISO 9000 and environment management systems such as ISO 14001, electromagnetic environment testing, product safety certification, measurement device calibration, and certification of daily-life service robots. The Saito laboratory is the biggest of JQA's electromagnetic environment testing laboratories, and also deals with information, medical, and home appliances, and car- and ship-mounted equipment. JQA is also capable of testing radio equipment in Japan and overseas. JQA testing facilities are registered as qualified by VCCI and certified by VLAC under ISO/IEC17025.



KEC (Kansai Electronic Industry Development Center) - Testing Division

URL: <https://www.kec.jp/>

Street address: 3-2-2 Hikaridai, Seikacho, Sourakugun, Kyoto-fu, Japan 619-0237

KEC provides laboratory accreditation services in accordance with ISO/IEC 17025 (as certified by VLAC, JAB, JNLA, and A2LA). Services include EMC testing and radio equipment evaluation for home appliances, industry, medical, and railway equipment, power conditioners, WPT and EV fast chargers, vehicle- and airplane-mounted equipment, and defense-related equipment. Also offered is product safety testing for home appliances, and fast, high-quality product evaluations. KEC has various EMC testing facilities including a 10-meter radio anechoic chamber and a miniature chamber for vehicle- and airplane-mounted equipment and defense-related equipment, whose testing is supported by INARTE engineers.



Intertek Japan - Kashima Testing Laboratory

URL: <http://ew.intertek-jpn.com/>

Street address: 298-6 Sada, Kashima-shi, Ibaraki Prefecture, Japan 314-0027

Intertek Japan runs five testing sites in Japan, and is accredited by VLAC, NVLAP, and IECEE, among others. The laboratory provides EMC testing and accreditation for consumer, industry, medical, automobile, military, aviation, and telecommunications equipment, and specification and calibration services for various testing equipment. Intertek Japan also provides product safety testing, factory inspections, overseas safety certification, and various agent application and other services for telecommunications equipment. The Kashima laboratory, with its anechoic chamber and open site, has been engaged in EMC testing, mainly of consumer equipment, since 1984.

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, 2019

