



VCCI Council

VCCI

ANNUAL REPORT

2016

2016^{April}-2017^{March}

English



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

VCCI Council

The purpose of this corporation is to promote, in cooperation with related industries, the voluntary control of radio disturbances emitted from ITE on the one hand, and improvement of robustness of ITE against radio disturbances on the other hand, so that the interest of Japanese consumers are protected with respect to anxiety-free use of ITE.

Description

- | | |
|---|--|
| <p>1 Formulate basic policies on voluntary control of electromagnetic disturbances emitted by ITE</p> <p>2 Coordinate the interest of member organizations and liaise with government and related agencies</p> <p>3 Receive and file Conformity verification report with 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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Greetings



President of VCCI
Keiichi Kawakami

We are thankful for your understanding of and support to activities of VCCI. This is a report on the activities of VCCI in the fiscal year 2016 (April 2016 – March 2017).

While Japanese economy is generally on the trend of gradual recovery due to the effects of so-called “Abenomics” having brought about the easy money policy and the correction of the high-yen trend, the world economic situation is not necessarily viewed in a rosy expectation because of disquieting political movements and geopolitical risks in major countries. The information technology industry of Japan having close relationship with VCCI is facing with big innovative changes brought about by CPS (Cyber Physical System) and IoT (Internet of Things) which are expected to bring about keen global competitions necessitating innovative managerial strategies to survive in the market.

Since its inception VCCI has been engaging in activities at a broad front in Japan to protect Japanese users of electric and electronic equipment against interferences by radio disturbances caused by ITE. We are thankful that we were able to celebrate the 30th anniversary of VCCI in December 2015. We owe our 30 years activities a lot to related government agencies, industry associations and, above all, to the members of VCCI. Thank you all very much.

What has long been sustaining the activities of VCCI is the reliability of the VCCI mark. It is a symbol of efforts of VCCI members to clear the VCCI requirements made of the three pillars. Pillar 1 is the registration of EMI measuring facilities of members to VCCI, pillar 2 is conformity verification tests performed by the members with the registered measuring facilities and pillar 3 is market sampling test conducted by VCCI. It is our commitment to continue this scheme to further solidify the reliability of the VCCI mark symbolizing cleaner electromagnetic environment in Japan.

Now if we look back over the situation in Japan on CISPR 32 Ed.2, the international standard on emissions from multimedia equipment released in March 2015, it was endorsed as applicable to Japan by MIC in December 2015 as the result of the intensive review by the information communication council of the ministry. To follow this move VCCI formed a taskforce under the steering committee with a mission to develop CISPR 32 based VCCI rules. The taskforce finally completed the work in November 2016 by taking widely collected members’ opinions into consideration. The remaining efforts of VCCI will be to promote the new VCCI rules by way of running explanatory meetings, seminars, workshops in Japan and overseas.

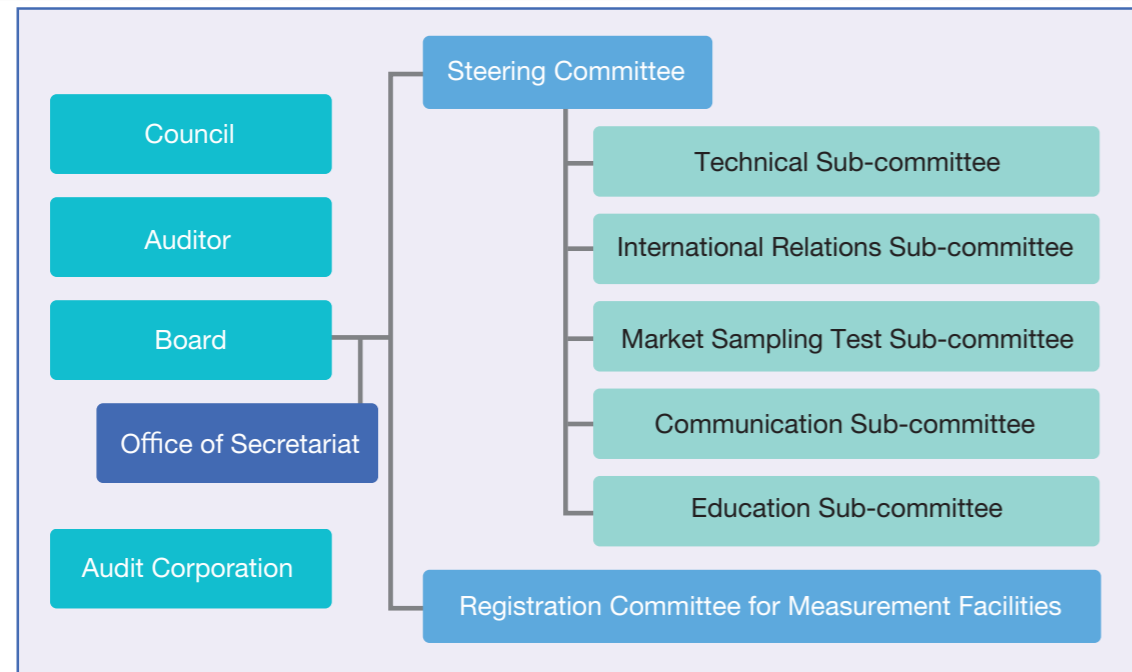
No less important is our continued efforts in contributing to the ongoing work in CISPR as well as in increasing general recognition of the VCCI mark in Japan and overseas. The list of our work to promote the application of the new rules includes convening the International Forum with invited speakers from related organizations overseas, running VCCI workshops overseas, information exchange meetings with BSMI of Chinese Taipei, and dispatching VCCI experts with technical contributions to related committees of CISPR, just to name a few. All these activities are considered to have contributed to the recent fact that the rate of recognition of VCCI in the world is getting higher.

Turning our eyes to VCCI activities in Japan domestic situations, we have regularly participated in the VCCI seminars arranged in the program of Information Communication Month sponsored by MIC, VCCI seminars in prefectural industrial technology centers in addition to regular VCCI education courses for measuring engineers of VCCI members. We also participate in major conventions covering ITEs in Japan and overseas on a regular basis to have site visitors familiarized with the VCCI mark while VCCI technical experts participate in technical sessions run in parallel to present results of their EMC related studies in VCCI. The results of all those activities are considered reflected in the increased rate of recognition of VCCI in the world.

It is our commitment that we will increase the visibility of VCCI even higher in the world where CSP/IoT will be in the forefront and background of industrial society everywhere. Activities that will realize such commitment of ours include efforts to further improve electromagnetic environment in Japan, increase the number of members of VCCI involved in CPS/IoT and other technical innovations. The bottom line will hopefully be that VCCI is recognized as an organization indispensable in highly industrialized Japan.

We would appreciate your support to and cooperation with VCCI more than ever.

Organization



Councilor

Chairman of Councilor

Eisuke Masada

Tokyo University, Railway Technical Research Institute

Councilor

Akira Ohya

Former Japan Broadcasting Corporation

Councilor

Hirofumi Ono

Former Inspector, Previous Hitachi, Ltd.

Councilor

Ryuji Koga

Okayama University, EM Consulting, Ltd.

Councilor

Masamitsu Tokuda

Tokyo City University, Tokyo University

Councilor

Tetsuro Fukushima

Previous Japan Audit and Certification Organization for Environment and Quality

Councilor

Osamu Fujiwara

Nagoya Institute of Technology, The University of Electro-Communications

Councilor

Tsuyoshi Furuya

Japan Electrical Safety & Environment Technology Laboratories

Director

President

Keiichi Kawakami

Japan Electronics and Information Technology Industries Association

Director

Yasuyoshi Katayama

Communications and Information network Association of Japan

Director

Hideo Nakanishi

Japan Business Machine and Information System Industries Association

Director

Akira Oda

VCCI Council

Inspector

Auditor

Satoshi Shibata

Previous Panasonic Corporation, Former Chairman of VCCI Steering Committee

Auditor

Hiroaki Hasegawa

Former DOCOMO Datacom, Inc.

Audit Corporation

Audit Corporation

ERNST & YOUNG ShinNihon LLC

As of March 31, 2017

Committees

Steering Committee

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



Chairman
Shinji Mine
NEC Platforms, Ltd.

Market Sampling Test Subcommittee

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



Chairman
Shin Kanno
NTT Advanced Technology Corporation

Measurement Facilities Registration Committee

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



Chairman
Hiroshi Inoue
Akita University

Technical Subcommittee

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



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

Communications Subcommittee

To promote the understanding of VCCI and its activities, through the creation and management of VCCI web site, issuance of the seasonal organ paper "VCCI Dayori" and Annual report in Japanese and in English, creation and distribution of PR brochures and calendars, to exhibit at exhibitions at home and abroad, and so on.



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

International Relations Subcommittee

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



Chairman
Yukio Uchida
Panasonic Corporation

Education Subcommittee

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



Chairman
Minoru Hirata
Hitachi, Ltd.

As of March 31, 2017

VCCI Activities

General operations

(1) Setting of the revised VCCI rules for autonomous control of electro-magnetic disturbances

Completed the implementation of the revised VCCI rules based on CISPR 32 in November 2016 for immediate application. Refer to item (5) for details.

(2) Had information exchange meetings on the proposed draft of the new VCCI rules planned to be made effective in November 2016 with the following associated overseas governments and the industry associations

- BSMI of Chinese Taipei in May, 2016
- ITI of the US in July, 2016
- ECMA in September, 2016
- RED CA in November, 2016

(3) Renewal of the MoU with overseas counterparts

Japan and the US have been engaging in the mutual recognition of conformity data measured in the US and Japan reciprocally. In 2016 VCCI had information exchange meetings with A2LA and NVLAP and agreed with them to continue the contract in the future. The next contract renewal date will be in FY2017 as the renewal is required in every two years.

(4) Running VCCI seminars

VCCI makes it a practice to run seminars every year to update members on the latest activities of VCCI and related standards applied. In FY2016 we had it in May 2016 as a part of the special program for the Information Communication Month of MIC. Also VCCI ran independent seminars for the Mie Prefectural Industry Center, the Minami Shinshu Iida Industrial Center and the Nagasaki Industrial Technology Center to update local industry people on the EMC issues VCCI is engaged in.

(5) Activities of the problem driven taskforce

In the past the operational principle of the taskforce was to tackle with specific problems outside the Steering committee, but as far as CISPR 32 is concerned, the taskforce focused on the development of the new VCCI operational rules in line with CISPR 32 to be effectuated from July 2015 onward. The basic work principle was to widely collect needs of VCCI member companies and define common needs out of them to reflect on the new VCCI rules for the final assessment by the taskforce. The deliberation was held almost at the rate of once a month and the final draft approved by the steering committee was released in November 2016 as the new VCCI operational rule for immediate application.



VCCI seminar in the Mie Industrial Research Center



Plenary meeting of RED CA

Standards setting

(1) Contribution to the setting of the Japanese EMC standards

Participated for contribution in the MIC ad hoc group in charge of the adaptation of CISPR 16 (Specification for radio disturbance and immunity measuring apparatus and methods) as Japanese standard. As a result Japanese standards equivalent to CISPR 16-1-1 and CISPR 16-1-4 were released by MIC in October 2016.

(2) Opinion exchange meetings with the Japanese industry association

Had an opinion exchange meeting with JEITA on a new proposal being discussed in CISPR to specify the test volume. It was decided in the meeting that Japan make a supplemental proposal to CISPR with the addition of practical conditions based on the evaluation done by JEITA. As a result the Japanese proposal was adopted as a CD to be circulated by CISPR.

(3) Briefing meetings on the new VCCI rules based on CISPR 32

VCCI had two briefing meetings, one in July 2016 and the other in January 2017, on the new VCCI rules based on CISPR 32 changed from CISPR 22 based on the assumption that VCCI members have many questions and comments on the significant rule changes.

(4) Convened a technical symposium

Held a symposium in Tokyo in January 2017 to brief VCCI members on the efforts made by the VCCI Technical Subcommittee on the release of the new VCCI rules based on CISPR 32. Also covered in the symposium were technical papers presented in CISPR related international conventions. The total number of audience was approximately 160.

(5) Activities of the Technical Subcommittee and working groups under it

- Developed three new guidance documents on the new VCCI rules. They cover the tips for preparation of a test report, the material of test tables and errata on CISPR 32.
- CISPR project WG
Reviewed the drafts of MIC proposal on Japanese standards based on CISPR 16-1-1 and CISPR 16-1-4 and provided VCCI comments on them. Also VCCI experts who attended CISPR meetings briefed on the meetings for information sharing with VCCI members.
- CISPR 32/JTF (Joint Task Force of the Rules WG and CISPR 32 WG)
Developed a draft of the new VCCI operational rules and a draft of the new VCCI technical requirements and interpretations of them.
- Radiated EMI WG
Had a meeting with JEITA on a new proposal made by CISPR to define the test volume. Based on the result of the meeting Japan proposed to CISPR the additional conditions reflecting real situations, which was adopted as a CD document. The WG also released a guidance on the selection of materials for the test table.
- Conducted EMI WG
Released a technical report on the effect of the status of PoE communication port on the conducted emission of mains port to be measured.
- Antenna calibration WG
Conducted a study on the antenna height which does not interfere the surrounding space from staying as free space. Also studied the method of calibration of antenna factor in the free space.
- VHF-LISN WG
Released a CD on the VHF-LISN in December 2016 to be standardized internationally. Also studied the specifications and method of calibration of VHF-LISN.



EMC EURO 2016



Technical symposium

Technical Training Seminars

Planned and executed the following technical training seminars targeted to EMC managers and measurement engineers for their better understanding of the requirements and improvement of required skills. At the same time the preparation was initiated to renew and enhance the contents of the courses to meet the new VCCI rules based on CISPR 32. Not a small number of the responses to the questionnaires asked at the end of each course addressed the need of a new course on the uncertainty of measuring apparatus. To satisfy this need the education team started the work with target initiation of the courses within FY2018.

(1) VCCI Course for Measurement Engineers

Attended by 29 trainees in two sessions held in May and October, 2016. All of them were provided with the diploma.

(2) VCCI Basic Course for Measurement Engineers

"Basic Course" is designed to prepare entry level measurement engineers for the course in (1). Two courses held in April and September were attended by 28 trainees in total.

(3) A course on Antenna Calibration/NSA Measurement for Measurement Engineers

Attended by 6 trainees in a session held in November 2016. They were all presented a diploma.

(4) A course on Radiated EMI measurement above 1GHz

Attended by 16 trainees in two sessions held in November 2016.

(5) A course on the Operation

This course is for trainees to have deeper understanding of concrete VCCI operations including conformity verification reporting and market

sampling test among other things. Attended by 18 trainees in the course held in July 2016. They were all given a diploma.

(6) Automatic and manual measurement course

This course was initiated in February 2016 to hone the skills of measurement engineers, but it was decided to cancel the course for this fiscal year due to insufficient number of enrollment.



Lecture scene



Hands-on training for antenna calibration

Market Surveillance

(1) Market Sampling Test

Carried out market sampling tests in accordance with the Rules for the Voluntary Control Measures. The number of sampled products was 100 out of personal computers, peripheral equipment, digital cameras, game machines and others, of which 45 were loaned and 55 procured. Of 100 sampled 93 were judged "passed" and 7 were judged "failed tentative" of which 2 were recovered as "passed" and 5 remained "failed" in the final judgement. Products remained "Failed" in the end were announced in the VCCI Web site with the name of suppliers, model numbers and reasons for "Failed" upon the consent obtained from the suppliers.

Quarters	Tests on loaned samples				Tests on purchased samples				Total
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	
Passed	16	10	17	0	15	9	12	16	95
Failed	1	1	0	0	2	0	0	1	5
Total	17	11	17	0	17	9	12	17	100

(2) Document inspections

Performed document inspections on 40 cases. The check is administered by scrutinizing test reports filed with conformity verification reports. As a result, the owners of 4 cases were asked to comeback with the result of retesting. Judged from the reports of retesting received all were recovered to the "passed" status.

(3) Surveillance on the VCCI mark in the market

Conducted the fact-finding surveys on the indication of the VCCI mark on ITE distributed in the market (1,734 models of 190 suppliers). The result was, VCCI marks were found on a certain number of non-VCCI members' products. Also inappropriate marking on VCCI members' products were found in several cases. We will ask non-VCCI companies which used the VCCI mark to join VCCI and make efforts to promote legitimate indication of the VCCI mark.

Overseas Situational Awareness Activities

Executed the following activities

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

Updated the table of emission and immunity standards of 25 countries including Japan, the US, Europe, China, Russia, Australia and others. It was uploaded in the Website in July 2016.

(2) International Forum

Convened a regular annual international forum as a parallel event to CEATEC on October 7, 2016. Speakers were invited from EU Commission, Australia and Russia. The number of the audience was approximately 100.

(3) Initiated the service of information provision to VCCI members on the update of the trend in EMC regulations in the world.

Created a database on the trend of EMC in the world for the reference of VCCI members. The database has been regularly updated since April 2016.

(4) Study of EMC regulatory situations overseas

Dispatched VCCI staff in March 2017 to GSO (in Saudi Arabia) which plans to start regulation on EMC. The purpose was to get updated on the regulatory information there. The resulted report is opened in the VCCI Website.



Q&A session in the VCCI International Forum



Saudi Arabia EMC study

PR Activities

(1) Participated in Techno Frontier 2016 at Makuhari Messe

Ran the VCCI booth at the convention site for April 20-22, 2016. Approximately 300 visitors responded to VCCI questionnaires.

(2) Participated in COMPUTEX TAIPEI 2016

(May 31-June 4, 2016 in Chinese Taipei)
VCCI ran a booth for improvement of the recognition rate of VCCI. Distributed VCCI brochures to approximately 500 visitors and answered their questions.

(3) Participated in CEATEC 2016 with VCCI booth

(October 4-7 2016 in Makuhari Messe)
It was first time for VCCI to participate in this event with own booth since VCCI became a corporate body. Had cooperation of approximately 250 visitors for answering questionnaires.

(4) VCCI ad with decorative illumination

Continued posting the illuminated VCCI ad boards in the JR Akihabara and JR Osaka stations for the general PR purpose.

(5) VCCI ad on the door windows of the Tokyo Metro Hibiya line

Continued this way of PR with a new design of the sticking label.

(6) VCCI ad movie in the TV sales floors of Bic Camera

Since March 2016 a 30 second movie ad on VCCI has been televised on the TV sales floor of 21 stores of Bic Camera in Japan to address sales personnel and general consumers.

(7) "VCCI Dayori" quarterly magazines in the VCCI website

Posted in the VCCI website were four issues of no.121-124 in Japanese and English language.

(8) Issued annual report 2015 edition in August 2016



COMPUTEX TAIPEI 2016



VCCI Ad in TV screens of Bic Camera sales floor

Measuring site registration operations

What follows indicate (1) registration in single year FY2016 and (2) cumulative numbers as of March 31, 2017

(1) The number of actually registered facilities in FY2016

- Registered via the inspection: 374 facilities (of which 305 facilities were those renewed)

Category of measurement facility	The number of Registered facilities	Actual in FY2015
Radiated EMI	106	(105)
Mains port conducted EMI	112	(116)
Telecommunication port conducted EMI	77	(86)
Radiated EMI above 1GHz	79	(126)

- The number of registered laboratories accredited by accreditation bodies: 84

(2) The cumulative number of the registered facilities as of March 31, 2017

- The total number of registered laboratories via inspections : 1,263

Category of measurement facility	The number of Registered facilities	Actual in FY 2015
Radiated EMI	344	(359)
Mains port conducted EMI	374	(379)
Telecommunication port conducted EMI	259	(282)
Radiated EMI above 1GHz	286	(297)

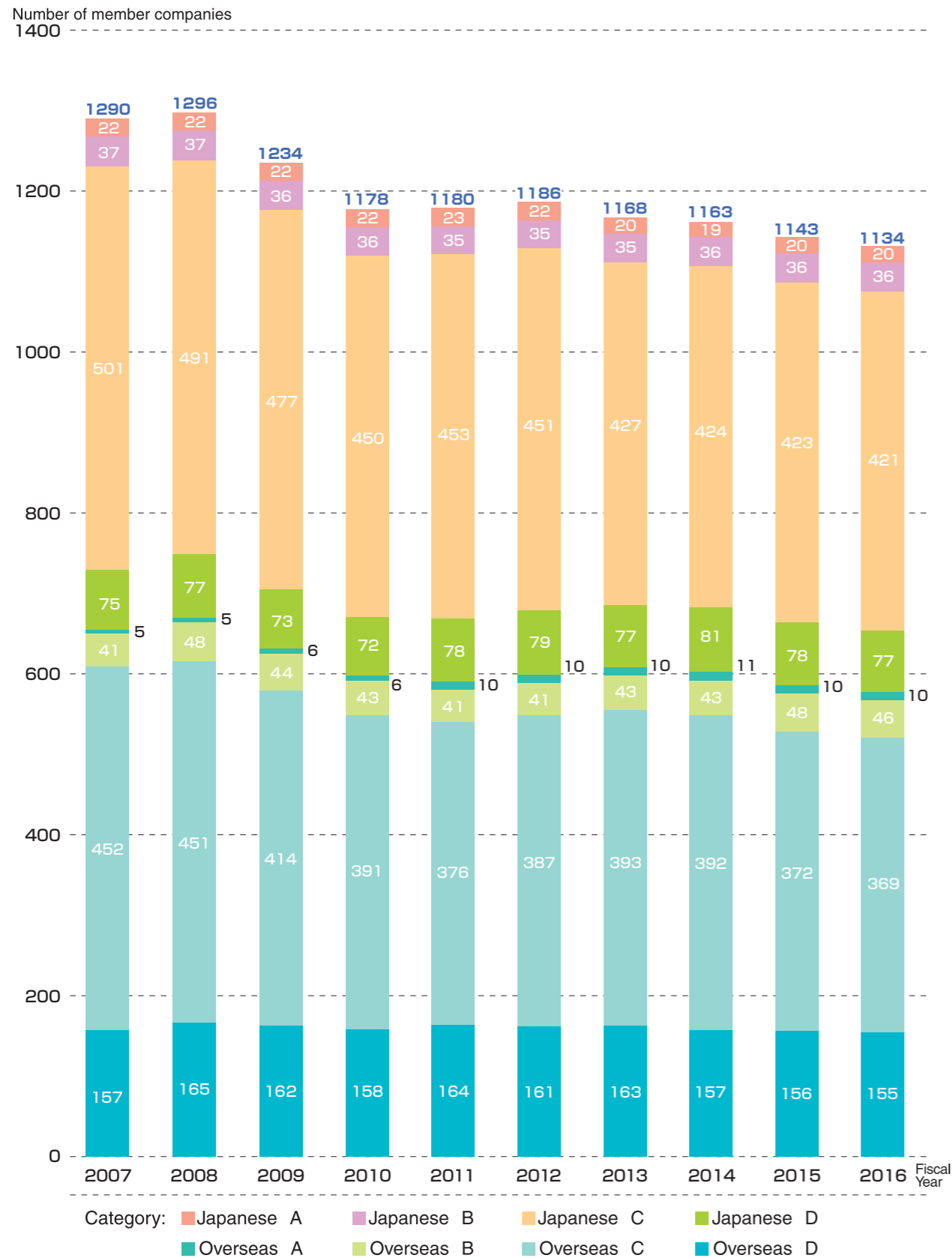
- The number of registered laboratories accredited by laboratory accreditation machineries:134

(Note)

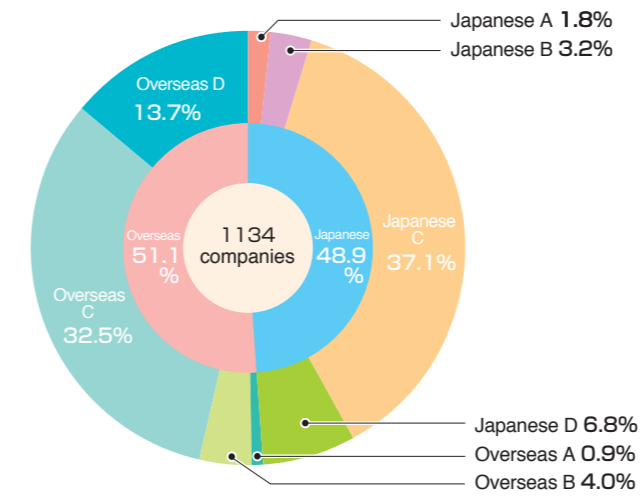
- A2LA: American Association for Laboratory Accreditation
- BSMI: Bureau of Standards, Metrology & Inspection
- CD: Committee Draft
- GSO: Gulf Standardization Organization
- NSA: Normalized Site Attenuation
- NVLAP: National Voluntary Laboratory Accreditation Program
- PoE : Power over Ethernet
- RED CA: The Radio Equipment Directive Compliance Association
- VHF-LISN: Very High Frequency - Line Impedance Stabilization Network

Transition of Membership

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

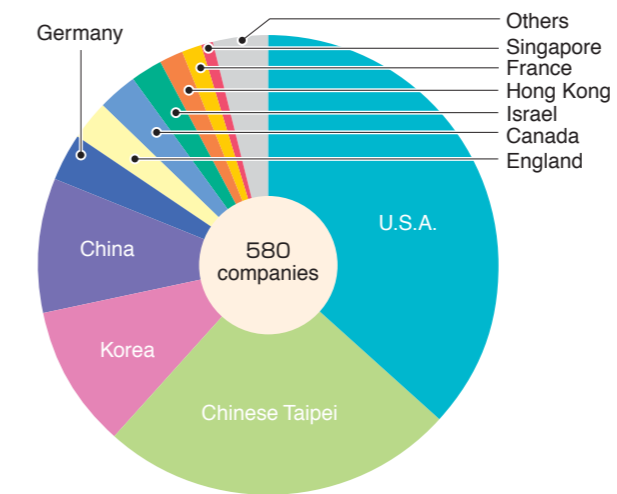


Composition of Members



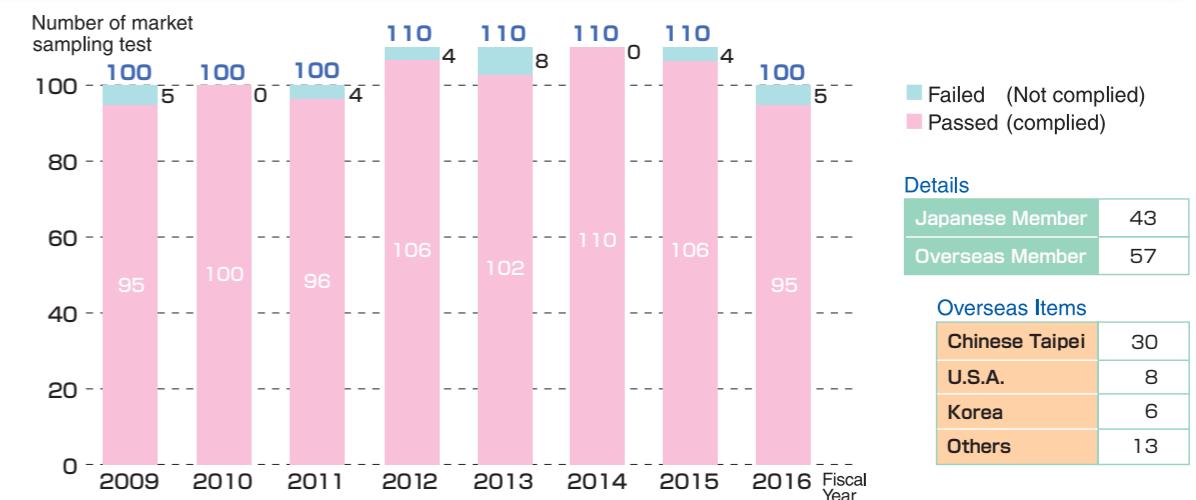
Member category	Number of Members	%
Japanese A	20	1.8%
Japanese B	36	3.2%
Japanese C	421	37.1%
Japanese D	77	6.8%
Overseas A	10	0.9%
Overseas B	46	4.0%
Overseas C	369	32.5%
Overseas D	155	13.7%
Total	1134	100%

Composition of Overseas Members



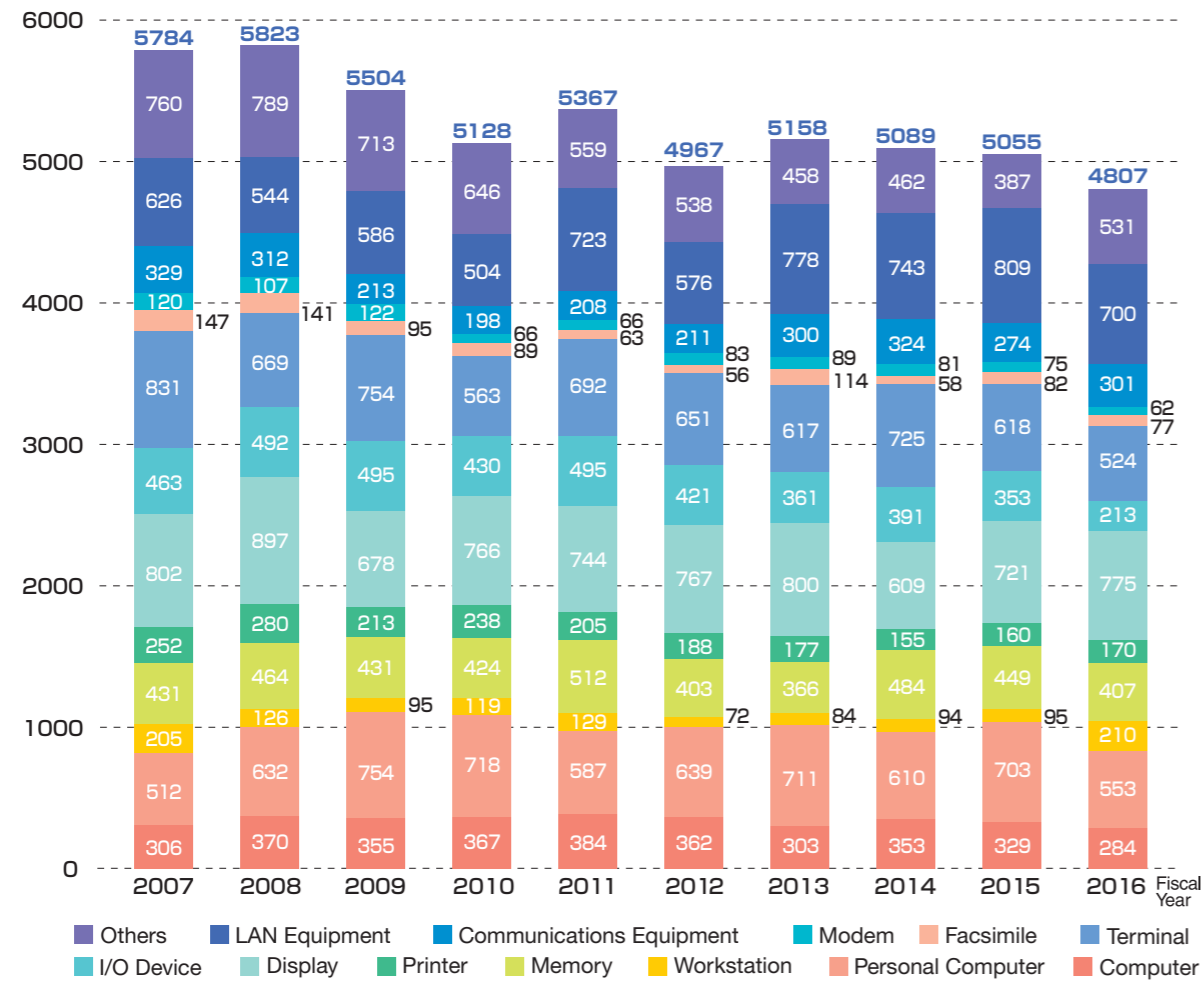
Countries	Number of Members
U.S.A.	214
Chinese Taipei	144
Korea	59
China	54
Germany	19
England	16
Canada	16
Israel	13
Hong Kong	11
France	8
Singapore	4
Others	22
Total	580

Market Sampling Test Results



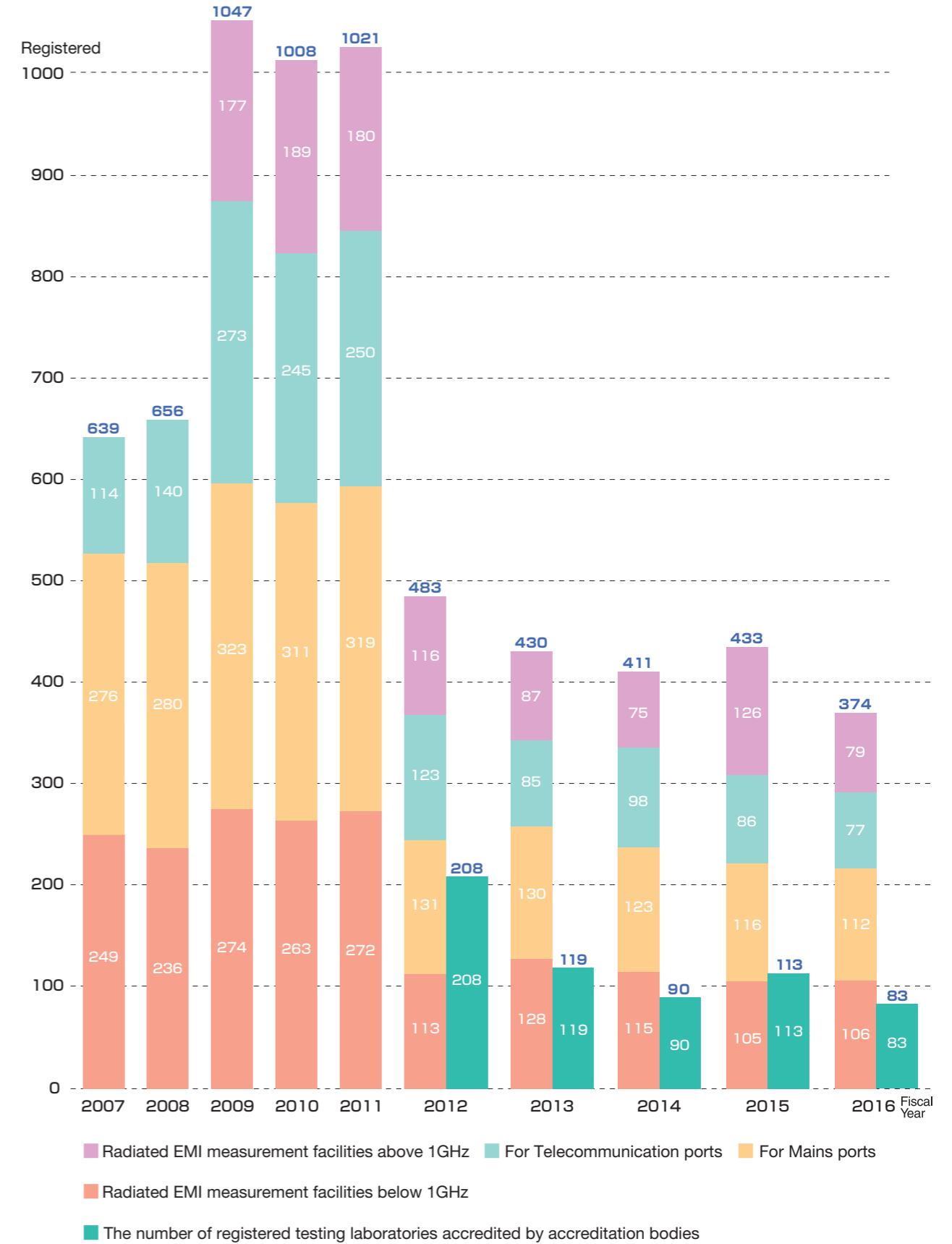
The number of filed Report of Conformance

Number of filed report of conformance submitted



Transition of the number of registered measurement facilities

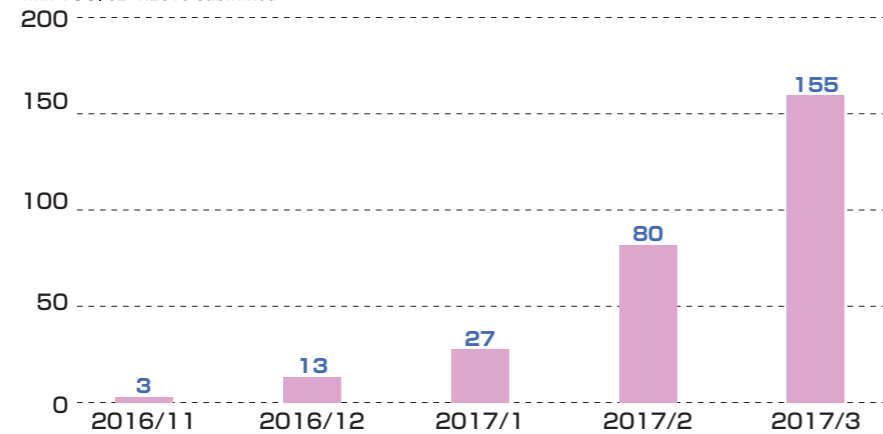
Registered



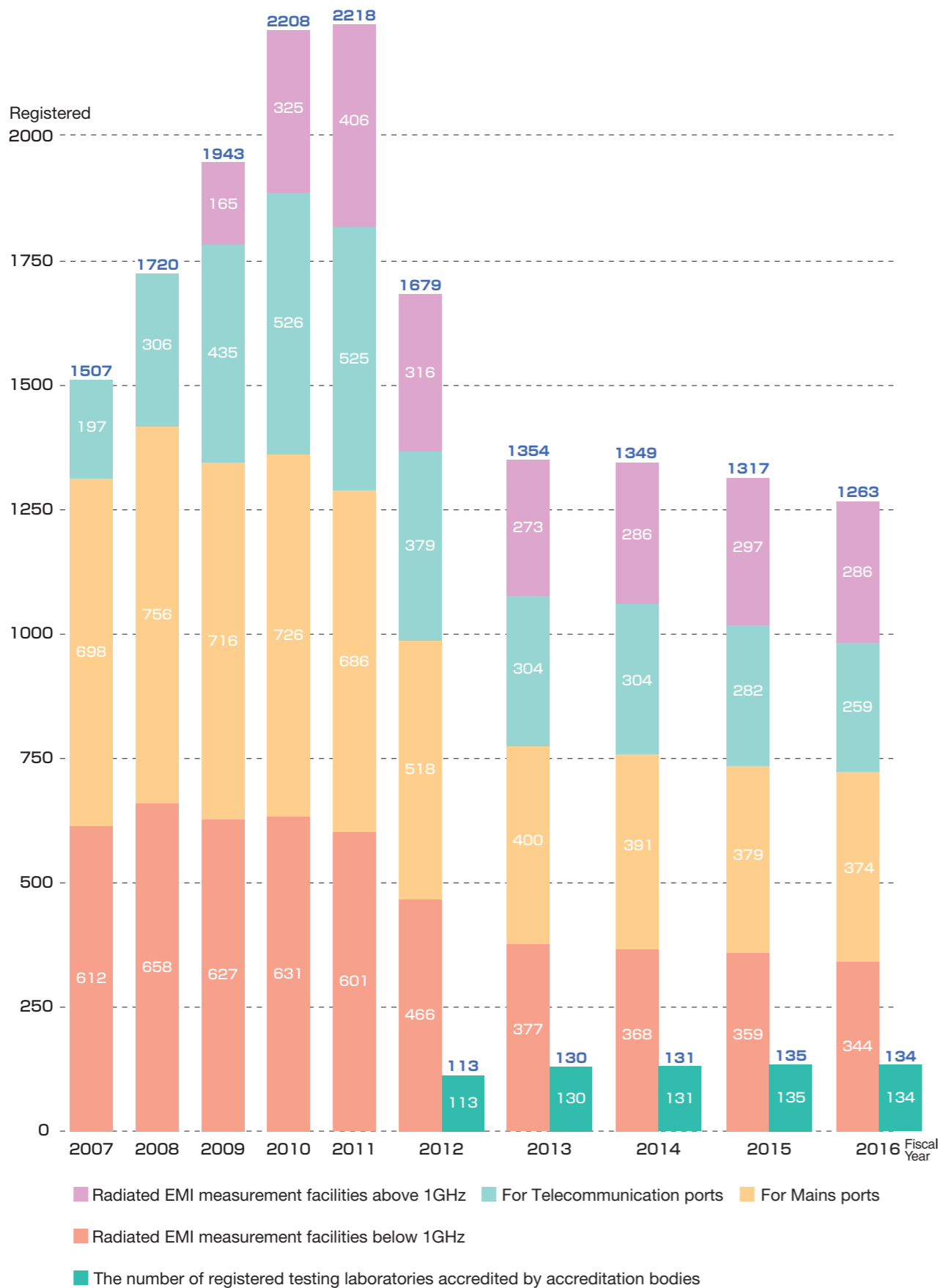
The number of filed Report of Conformance with VCCI 32-1:2016

VCCI 32-1:2016 was effectuated from November 2016

Number of filed report of conformance with VCCI 32-1:2016 submitted



The transition of the gross number of measurement facilities registered at the end of fiscal years



VLAC (Electromagnetic Environment Testing Laboratories Accreditation Center)

VLAC was established in April 1999 by VCCI as an independent organization providing services of testing laboratories accreditation based on ISO/IEC 17025:2005. VLAC accredits testing laboratories by examining their conformity with the international standard. The scope of VLAC is as broad as in the following in addition to the test of emission form ITE which is the basic domain of VCCI. They are, EMC testing of various equipment (electronic/electric equipment, medical electronic equipment, electronic on-board equipment for railway, ship and elevators, performance testing of telecommunication 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.

Testing laboratories accredited by VLAC are recognized as passable anywhere in the world because VLAC is a signatory organization of ILAC MRA. Thus testing laboratories certified by VLAC have a privilege of fast registration to VCCI free of charge by just sending the certification via the web site. The number of laboratories certified by VLAC at the end of the fiscal year 2016 is 46 testing sites of 36 laboratories.

For more details please visit VLAC website <http://www.vlac.co.jp/>.



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/certification organization providing services of certification on the clearance of technical requirement specified by the Radio Act, notified body services accredited by MRA with EU, specified calibration of measuring equipment and testing of radio/high frequency equipment. TELEC is also capable of testing EMC, RF, SAR and feeble radio equipment. Also engaged in is services of testing of wireless power transmission facilities, various facilities using high frequency radio, antenna characteristics and measurement of various open site basis electro-magnetic measurement.

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

URL: <http://www.jqa.jp/>
 Street address: 7-3-10, Saitoasagi, Ibaraki-shi, Osaka-fu, Japan 567-0085

JQA is a fair and neutral third party organization providing services ranging from inspection and registration in quality management system ISO 9000 and environmental management system ISO 14001, testing of electromagnetic environment, certification of product safety, calibration of measuring equipment, to certification of life-supporting robots among others. The Saito testing laboratory is the largest one among the electromagnetic environmental testing laboratories of JQA as it also covers information/medical/home appliances and vehicle/vessel mounted equipment. In addition JQA is capable of radio equipment testing in Japan and overseas. JQA testing facilities are registered as qualified in the VCCI and certified by VLAC as ISO/IEC 17025 compliant.

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 provides services of laboratory accreditation in accordance with ISO/IEC 17025 (as certified by VLAC, JAB, JNLA and A2LA). Covered services include high quality and speedy EMC testing for home appliances, industry/medical/railway equipment, power conditioners, automobiles, EV chargers, vehicle mounted equipment, airplane mounted equipment, defense related equipment as well as product safety evaluation testing for radio equipment and home appliances. KEC has various EMC testing facilities including a 10-meter radio anechoic chamber and vehicle/airplane mounted/defense related small size anechoic chamber supported by the iNARTE engineers.

Intertek Japan – Kashima Testing Laboratory

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

Intertek Japan running five testing sites in Japan is a testing laboratory accredited by VLAC, NVLAP and IECEE among others. The laboratory provides EMC testing services for consumer, industry, medical, automobiles, military, aviation and telecommunication equipment and calibration services for measuring instruments. It also provides agent service for applications for domestic and overseas product safety and telecommunication certification as well as factory inspections. The Kashima laboratory with an open site and anechoic chamber has been engaged in EMC testing mainly of consumer electronic equipment since 1984.

As of March 31, 2017

VCCI Member List

Regular Members

<Japanese>

No. Company Name

[A]

2323 A.T. Works, Inc.
2478 A2 Corporation
1355 ABIT CORPORATION
1882 ADVA Optical Networking 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.
3655 Allot Communications
3357 ALNETZ CO., LTD.
76 ALPS ELECTRIC CO., LTD.
43 ANRITSU CORPORATION
2676 ANRITSU NETWORKS CO., LTD.
218 AOI Development Center, Ltd.
3682 AOPEN JAPAN INC.
147 APRESIA Systems, Ltd.
3047 Array Corporation
2125 Artiza Networks, Inc.
3197 ASCON CO., LTD.
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.

[B]

950 BANDAI CO., LTD.
2321 Barracuda Networks Japan K.K.
3477 Benesse Corporation
736 BILLCON CORPORATION
2993 BIOS Corporation
3688 Bizright technology Inc
2957 Bktel Pacific Rim (Japan) Inc.
2683 BMT
913 Brains 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.
54 CASIO COMPUTER CO., LTD.
3228 Cathay Tri-Tech., Inc.
2977 CCP Co., Ltd.

2928 Cellcross Co., Ltd.
3678 Cellstar Industries 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.
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
2861 DKSH Japan K.K.
348 DMG MORI B.U.G. CO., LTD.
419 Duplo Seiko Corporation
3476 DX ANTENNA CO., LTD.
1026 Dyden Corporation

[E]

3378 e-Broad Communications Inc.
2176 Egenera, KK
137 EIZO Corporation
3254 ELECOM CO., LTD.
1870 ELECS. INDUSTRY CO., LTD.
3334 ELIY Power Co., Ltd.
3052 ELSA Japan Inc.
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.
3735 FiberLabs Inc.
3233 Fon Japan K.K.
101 FOSTER ELECTRIC CO., LTD.
51 FUJI ELECTRIC CO., LTD.
2331 Fuji Electric Co., Ltd.
67 Fuji Xerox Co., Ltd.
516 Fuji Xerox Manufacturing Co., Ltd.
118 FUJIFILM Corporation
670 FUJIFILM Imaging Systems Co., Ltd.
253 Fujikura Ltd.
704 Fujikura Solutions Ltd.
3320 FUJISOFT INCORPORATED
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
1614 Fukushima Iwatsu Co., Ltd.
34 FUNAI ELECTRONIC CO., LTD.
2722 FURUNO ELECTRIC CO., LTD.
1561 FURUNO SYSTEMS Co., Ltd.
2922 FUTECH INC
3355 FUTURE CONNECT, LTD.
1138 FXC Inc.

[G]

1526 GINGA SYSTEM CO., LTD.
3765 GLBB JAPAN
3748 GLOBAL TAX FREE., CO. LTD
707 GLORY AZ System Co., LTD.
95 GLORY LTD.
3686 Godspeed. Co., Ltd
2979 Golden Micro Systems Co.
88 GRAPTECH CORPORATION
1728 GREEN HOUSE CO., LTD.
3065 Gridmark Inc.
85 GS Yuasa International Ltd.

[H]

2242 hagiwara electric co., ltd
2837 Hagiwara Solutions co., Ltd.
3451 HAKARU PLUS CORPORATION
2791 HANDREAMNET JAPAN
2740 HARVEST CO., LTD.
2701 HighTechSystem Co., Ltd.
198 HIRAKAWA HEWTECH CORP.
2504 Hitachi Chemical Co., Ltd.
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.
3255 Hitachi Systems Techno 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
3316 HOYA CORPORATION PENTAX Life Care Division
3671 HOYA Service Corporation
3638 HP Japan Inc.
2629 HYTEC INTER Co., Ltd.

[I]

3269 iB Solution Co., Ltd.
23 IBM Japan, Ltd.
1329 ICOM Inc.
3438 iD corporation
131 IDEC AUTO-SOLUTIONS

3494 IDEC CORPORATION
3073 IDK Corporation
3153 IDX Company, Ltd.
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
3768 INNOTECK CORPORATION
338 Intel K.K.
3775 Interface Corporation
1326 I-O DATA DEVICE, INC.
3732 IOT Co., Ltd.
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.
3747 IWAYA CORPORATION

[J]

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

[K]

3769 K.K.FOVE
2381 KABUTOYAMA WORKS CO., LTD
202 KAGA ELECTRONICS CO., LTD.
3664 KAMETSU CORP.
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 CO., LTD.
908 KONICA MINOLTA JAPAN CO., LTD.
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

[L]
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
3706 LIXIL Housing Exterior Division
102 Logitec Corporation
3266 Logitec INA Solutions Co., Ltd.
3690 LVHM WATCH & JEWERY JAPAN K.K.

[M]

3594 MASPRO DENKOH CORP.
1118 MAX CO., LTD.
2955 MC SECURITY Co., Ltd.
976 MegaChips Corporation
116 MEIDENSHA CORPORATION
3308 Micro Solution Co., LTD.
2360 Miharuru 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.
3789 Mitsui Knowledge Industry Co., Ltd.
214 MITSUI ZOSEN SYSTEMS RESEARCH INC.
584 MITSUMI ELECTRIC CO., LTD.
3715 Miura Corporation
2031 MIWA LOCK CO., LTD.
282 MIYAKAWA ELECTRIC WORKS LTD.
3258 mofiria Corporation
33 MURATA MACHINERY, LTD.
123 Murata Manufacturing Co., Ltd.
204 MUTOH INDUSTRIES, LTD.

[N]

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
1901 NEC Communication Systems, Ltd.
1 NEC Corporation
1394 NEC Display Solutions, Ltd.
3296 NEC Embedded Products, Ltd.
1238 NEC Engineering, Ltd.
2729 NEC Magnus Communications

2862 NEC Nagano, Ltd.
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.
3583 NEC TOKIN Corporation
729 neix, Inc.
3701 Net One Systems Co., Ltd.
2838 NETWORK VALUE COMPONENTS LTD.
498 NEWTECH CO., LTD.
450 NHK SPRING 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
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 EAST CORPORATION
1278 NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION
186 Nisca 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
3088 NTT FIELD TECHNO CORPORATION
3643 NTTDATA INTELLILINK CORPORATION

[O]

443 OA LABORATORY 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.
1469 OKidata · Infotech Inc.
463 OLYMPUS CORPORATION
56 OMRON Corporation
2857 OMRON HEALTHCARE CO., LTD.
3663 Onkyo & Pioneer Corporation
3662 Onkyo & Pioneer Innovations Corporation
3237 ONKYO DIGITAL SOLUTIONS CORPORATION
1812 OPTOELECTRONICS Co., Ltd.
223 Oracle Information Systems (Japan) G.K.
3485 ORIENT ENTERPRISE CO., LTD.

[P]
 15 Panasonic Corporation
 1780 Panasonic Eco Solutions Networks Co., Ltd.
 138 Panasonic Healthcare Co., Ltd.
 17 Panasonic System Networks Co., Ltd
 2234 PENTEL Co., Ltd.
 144 PFU Limited
 302 PHOTRON LIMITED
 3104 PicoCELA Inc.
 11 PIONEER ELECTRONIC CORPORATION
 1448 Pixela Corporation
 1364 Planex Communications, Inc.
 3628 Plat' Home Co., Ltd.
 545 PLUS Corporation
 3605 PLUSONE MARKETING LTD.
 2661 Primagest, Inc.
 2041 Princeton Ltd.

[Q]
 3471 QUADRAC Co., Ltd.
 2651 Qualica Inc.
 2203 QUIXUN PRODUCTS CO., LTD.

[R]
 763 RATOC Systems, Inc.
 2760 Renesas Electronics Corporation
 16 Ricoh Co., Ltd.
 690 RICOH IMAGING COMPANY, LTD.
 38 RICOH INDUSTRY CO., LTD.
 3692 RION CO., LTD.
 175 RISO KAGAKU CORPORATION
 59 ROLAND DG CORPORATION
 1708 Routrek Networks, Inc.
 3573 RYOWA ELECTRONICS CO., LTD.

[S]
 3774 SAC CO., Ltd.
 3043 SANDEN ADVANCED TECHNOLOGY Corporation
 351 SANEI ELECTRIC INC.
 83 SANKEN ELECTRIC CO., LTD.
 2881 SANWA SUPPLY INC.
 293 Sanyo Chemical Co., Ltd.
 920 SANYO DENKI CO., LTD.
 19 SANYO Techno Solutions Tottori CO., Ltd.
 355 SATO CORPORATION
 127 SAXA, Inc.
 3331 SCALAR Corporation
 451 SCREEN Graphic and Precision Solutions Co., Ltd.
 940 SECURE-TECH CORPORATION
 3346 Seedsware Corporation
 55 SEIKO EPSON CORPORATION
 50 Seiko Instruments Inc.
 60 SEIKO PRECISION INC.
 3484 SEIKO Solutions Inc.
 2568 SEIKO TIME SYSTEMS INC.
 3602 SEITEC CO., LTD.
 777 SEIWA ELECTRIC MFG CO., LTD.
 292 SEKISUI CHEMICAL CO., LTD.
 514 SEKONIC CORPORATION
 13 Sharp Corporation
 3338 SHIBUTANI CO., LTD.

3167 Shin Shin Co., Ltd.
 3710 Shin Shin Tech. Co. Ltd.
 193 Shindengen Electric Manufacturing Co., Ltd.
 2074 SHINJUKU JAPANESE LANGUAGE INSTITUTE
 73 SHINKO SEISAKUSHO CO., LTD.
 3673 Shinsei Corporation
 341 SHINSEI INDUSTRIES CO., LTD.
 2868 SHOFU INC.
 1922 SIGMA CORPORATION
 434 silex technology, Inc.
 153 SINFONIA TECHNOLOGY Co., LTD.
 2093 Snet Corporation Ltd.
 3502 Smart Solution Technology, Inc.
 795 SMK CORPORATION
 3247 SoftBank Corp.
 3676 Soltec. Japan. Limited
 93 SONY CORPORATION
 856 Sony Interactive Entertainment Inc.
 3620 Sony Mobile Communications Inc.
 269 SORITON SYSTEMS K.K.
 521 SOSHIN ELECTRIC CO., LTD.
 3363 Spectronix Co., Ltd.
 180 STAR MICRONICS CO., LTD.
 2575 StoreNet Corp.
 165 SUMITOMO ELECTRIC SYSTEM SOLUTIONS CO., LTD.
 97 SUMITOMO ELECTRIC INDUSTRIES, LTD.
 3600 Sumitomo Precision Products Co., LTD.
 1197 Sumitomo Wiring Systems, Ltd.
 1001 SUN CORPORATION
 3764 SUN-WA TECHNOS CORPORATION
 3785 SYNCLAYER INC.
 3534 SYSTEM IO Co., Ltd.
 3570 Systemk Corporation

[T]
 606 TAIYO SEIKI COMPANY., LTD.
 163 TAIYO YUDEN CO., LTD.
 283 TAKACOM CORPORATION
 326 TAKAMISAWA CYBERNETICS CO., LTD.
 3400 Takara teleshops Co., Ltd.
 2847 TAKASAGO LTD.
 2691 TAKENAKA ENGINEERING CO., LTD.
 3733 Tama Electronics Industry Corp.
 1973 TAMURA CORPORATION
 206 TATSUNO CORPORATION
 18 TB GROUP INC.
 3137 TDK Corporation
 39 TDK CORPORATION
 75 TEAC CORPORATION
 3717 TECHNO BROAD, INC.
 2449 Techno Link Co., Ltd.
 3734 Techno Science Japan Co., Ltd.
 2231 Technology Link Corporation
 3267 TechnoMatryx Inc.
 174 TERAOKA SEIKO CO., LTD.
 830 THE FURUKAWA ELECTRIC CO., LTD.
 3757 The Hand Ltd.
 3516 TKR CORPORATION
 179 TOEI ELECTRONICS CO., LTD.
 2490 TOMY Company, Ltd.
 2867 TOPPAN FORMS CO., LTD.

2047 Toppan Printing Co., Ltd.
 1669 Topre Corporation
 3741 Toshiba Client Solutions CO., LTD.
 37 TOSHIBA CORPORATION
 3459 Toshiba Global Commerce Solutions Holdings Corporation
 1939 TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION
 3403 TOSHIBA LIGHTING & TECHNOLOGY CORPORATION
 5 Toshiba Platform Solution Corporation
 244 Toshiba Solutions Corporation
 48 TOSHIBA TEC CORPORATION
 164 TOTOKU ELECTRIC CO., LTD.
 797 Touch Panel Systems K.K.
 3585 TOYOTA TSUSHO CORPORATION
 3018 Transaction Media Networks Inc.
 3382 Transcend Japan Inc.
 2269 Transtron Inc.
 2309 Trend Micro Incorporated
 3344 TSUZUKI DENKI CO., LTD.

[U]
 907 UCHIDA YOKO CO., LTD.
 582 UMEZAWA TECHNICAL LABORATORY CO., LTD.
 2045 UNIADEx, Ltd.
 3202 Unipulse Corporation
 3144 Unitech Japan co., Ltd.
 2087 UNITEX Corporation
 3633 UPS Solutions Co., Ltd.

[V]
 3578 VAIO Corporation
 2109 VarioSecure Inc.
 3426 V-net Corporation Limited

[W]
 177 Wacom Co., Ltd.
 3495 Welcat Inc.
 3293 WHITE BUSINESS INITIATIVE Co.

[Y]
 22 YAMAHA CORPORATION
 3287 YAMASHITA SYSTEMS Corp.
 2292 YASUKAWA INFORMATION SYSTEMS Corporation
 150 YAZAKI CORPORATION
 103 Y-E DATA INC.
 2366 YEC, CO., LTD.
 2931 YKD CO., LTD.
 3185 Yokogawa Meters & Instruments Corporation
 12 YUTAKA ELECTRONIC MFG. CO., LTD.

[Z]
 3394 ZOOM CORPORATION

<Overseas>

No. Company Name
 [A]
 2548 A10 Networks, Inc. (USA)
 3328 AAEON Technology Inc. (CHINESE TAIPEI)
 3603 Aava Mobile Oy (FINLAND)
 3522 Acano (UK) Ltd (U.K.)

1170 AcBel Polytech Inc. (CHINESE TAIPEI)
 3314 Accedian Networks Inc. (CANADA)
 379 ACCTON Technology Corp. (CHINESE TAIPEI)
 215 Acer Incorporated (CHINESE TAIPEI)
 2353 A-DATA Technology Co., Ltd (CHINESE TAIPEI)
 3515 Adtran Inc. (USA)
 2085 ADVAN INT'L CORP. (KOREA)
 2952 Advanced Card Systems Limited (HONG KONG)
 1831 Advanced Compliance Solutions, Inc. (USA)
 3709 ADVANCED-CONNECTEK INC. (ACON) (CHINESE TAIPEI)
 1320 ADVANTECH CO., LTD. (CHINESE TAIPEI)
 3487 Aerohive Networks, Inc. (USA)
 3526 AHNLAB, INC. (KOREA)
 3566 Ai-Logix (Asia) Limited (CHINA)
 3419 AISolution (KOREA)
 3201 AJA Video Systems Inc. (USA)
 3640 Alcatel-Lucent IP R&T (USA)
 2383 Alpha Networks Inc. (CHINESE TAIPEI)
 3392 AM TECH Co., Ltd. (KOREA)
 1565 AMD c/o ATI Technologies ULC (CANADA)
 400 American Power Conversion Corp. (USA)
 2988 Amphenol Corporation - Amphenol Assemtech Division (USA)
 2873 Ampronix Inc. (USA)
 683 Amtran Technology Co., Ltd. (CHINESE TAIPEI)
 3674 Apacer Technology Inc. (CHINESE TAIPEI)
 2656 Applanix Corporation (CANADA)
 482 Apple, Incorporated (USA)
 2431 Apricorn, Inc. (USA)
 3027 Arista Networks, Inc. (USA)
 1627 ARRAY NETWORKS, INC. (USA)
 2084 Arris Group, Inc. (USA)
 2276 Artesyn Product Testing Services (USA)
 2148 Asian Power Devices Inc. (CHINESE TAIPEI)
 1285 ASKEY COMPUTER CORP. (CHINESE TAIPEI)
 3504 Aspect Software, Inc. (USA)
 3749 ASRockRack Incorporation (CHINESE TAIPEI)
 2208 Artesyn Embedded Computing, Inc. (Astec International Limited) (HONG KONG)
 1011 ASUSTek Computer Inc. (CHINESE TAIPEI)
 1149 Aten International Co., Ltd. (CHINESE TAIPEI)
 3553 Atop Technologies, Inc. (CHINESE TAIPEI)
 3124 ATP Electronics Taiwan Inc. (CHINESE TAIPEI)
 3464 Atrust Computer Corp. (CHINESE TAIPEI)
 3222 ATTO Technology, Inc. (USA)
 2097 Audiocodes LTD. (ISRAEL)
 3530 Aurora Networks, Inc., A Pace Company (USA)
 687 AVAGO Technologies (USA)
 3705 Avalue Technology Inc. (CHINESE TAIPEI)
 2888 AVer Information Inc. (CHINESE TAIPEI)
 3244 Avere Systems, Inc. (USA)
 1933 AVerMedia Technologies Inc. (CHINESE TAIPEI)
 3230 Avid Technology, Inc. (USA)
 574 Avison Inc. (CHINESE TAIPEI)
 585 Avocent Corporation (USA)
 2214 Azimuth Systems, Inc. (USA)

[B]
 3453 Bad Elf (USA)
 2995 Barco N.V. (BERGIUM)
 3708 BARUN ELECTRONICS (KOREA)

3742 Beijing Memblaze Technology Co., Ltd. (CHINA)
 2123 Belkin International, Inc. (USA)
 676 Benq Corporation. (CHINESE TAIPEI)
 3778 Bigben Interactive (HK) Ltd. (HONG KONG)
 3725 BI-Search International Inc (USA)
 2964 BizLink Technology Inc (USA)
 1130 Blue Coat Systems, Inc. (USA)
 3488 Bluebird Inc. (KOREA)
 3615 b-plus GmbH (GERMANY)
 1809 Broadcom Corporation (USA)
 2766 Brocade Communications Systems Inc. (USA)
 2856 Burroughs, Inc. (USA)
 3184 BYD Precision Manufacture Co., Ltd. (CHINA)

[C]
 3755 Cadence Design Systems, Inc. (USA)
 2135 CANON ELECTRONIC BUSINESS MACHINES (H.K.) CO., LTD. (HONG KONG)
 3630 Canon Korea Business Solutions Inc. (KOREA)
 2354 CastleNet Technology Inc. (CHINESE TAIPEI)
 3449 Castles Technology Co., Ltd. (CHINESE TAIPEI)
 3035 CCIC Southern Electronic Product Testing (Shenzhen) Co., Ltd. (CHINA)
 3679 Celestica Technology Consultancy (Shanghai) Co., Ltd. (CHINA)
 3028 Cell Technology Limited (HONG KONG)
 2015 Check Point Software Technologies Ltd. (ISRAEL)
 2974 Chelsio Communications, Inc. (USA)
 1638 Cheng Uei Precision Industry Co., Ltd. (CHINESE TAIPEI)
 2462 Cherry Americas, LLC (USA)
 636 Cherry GmbH (GERMANY)
 882 CHICONY ELECTRONICS CO., LTD. (CHINESE TAIPEI)
 3305 CHRISTIE DIGITAL SYSTEMS CANADA INC. (CANADA)
 2846 Ciena (USA)
 2163 Cisco Systems Norway AS (Cisco Systems International BV) (THE NETHERLANDS)
 493 Cisco Systems G.K (USA)
 3190 Citrix Systems, Inc. (USA)
 3687 Cleversafe, Inc. (USA)
 702 CLEVO CO. (CHINESE TAIPEI)
 989 Clientron Corp. (CHINESE TAIPEI)
 3634 CognitiveTPG, LLC. (USA)
 3770 Cohesity, Inc (USA)
 3588 Coho Data, Inc. (USA)
 3659 COLEBROOK BOSSON SAUNDERS LTD (U.K.)
 297 Compal Electronics, Inc. (CHINESE TAIPEI)
 3486 CONTEC DTx INC. (USA)
 2240 Contela, Inc. (KOREA)
 779 Coretronic Corporation (CHINESE TAIPEI)
 3483 Coriant Operations Inc (USA)
 3622 Coriant Oy (FINLAND)
 3780 Cradlepoint, Inc (USA)
 3458 Cray Inc. (USA)
 3551 Crestron Electronics, Inc. (USA)
 2669 CS Corporation (KOREA)
 2871 CTC Union Technologies Co., Ltd. (CHINESE TAIPEI)
 2499 Cyber Power Systems, Inc. (CHINESE TAIPEI)

[D]
 2486 D&T Inc. (KOREA)
 3693 Darfon Electronics Corp. (CHINESE TAIPEI)

2033 DASAN Network Solutions, Inc. (KOREA)
 3767 DASAN Networks, Inc. (KOREA)
 339 DASAN Zhone Solutions, Inc. (USA)
 3704 Data Ltd Inc (CHINESE TAIPEI)
 3251 DataDirect Networks, Inc. (USA)
 527 Dell Inc. (USA)
 1322 Dell Inc. (USA)
 2804 Delphi Display Systems, Inc. (USA)
 568 DELTA ELECTRONICS, Inc. (CHINESE TAIPEI)
 3045 Delta Networks, INC. (CHINESE TAIPEI)
 2754 Delta Logic (US) Inc. (USA)
 671 Digi International Inc (USA)
 3777 Digital Check Corp. (USA)
 3422 DIGITAL VIEW LTD. (HONG KONG)
 1461 DIVA Laboratories, Ltd. (CHINESE TAIPEI)
 448 D-Link Corporation (CHINESE TAIPEI)
 3326 DMX, LLC. d/b/a Mood Media (USA)
 3723 dnp denmark as (DENMARK)

[E]
 2628 Edgewater Networks, Incorporated (USA)
 1482 Edimax Technology Co., Ltd. (CHINESE TAIPEI)
 3672 Elatec GmbH (GERMANY)
 537 Electronics for Imaging, Inc. (USA)
 3608 Elgato Systems GmbH (GERMANY)
 877 Elitegroup Computer Systems Co., Ltd. (CHINESE TAIPEI)
 1068 Emulex Corporation (USA)
 3457 Ergotron, Inc. (USA)
 1080 EtherWAN Systems Inc. (CHINESE TAIPEI)
 2732 EVOLIS (FRANCE)
 3787 Exablaze (AUSTRALIA)
 2889 ExaGrid Systems, Inc. (USA)
 1406 Extreme Networks, Inc. (USA)
 3524 Extron Electronics (USA)
 2969 Eye-Fi, Inc. (USA)

[F]
 1440 F5 Networks, Inc. (USA)
 1926 FIMI s.r.l. (ITALY)
 3661 FireEye, Inc. (USA)
 1925 FIRICH ENTERPRISES CO. LTD. (CHINESE TAIPEI)
 2823 Flextronics International (Taiwan) Ltd. (CHINESE TAIPEI)
 3589 FLIR COMMERCIAL SYSTEMS, INC. (USA)
 1977 Fortinet, Inc. (USA)
 2247 Foxlink Technology Ltd (HONG KONG)
 3294 Fujian Centerm Information co., Ltd. (CHINA)
 3739 FUJIFILM Visual Sonics, Inc. (CANADA)
 1468 Fujitsu Technology Solutions GmbH (GERMANY)

[G]
 1524 GEMALTO SA (FRANCE)
 3475 GENBAND US LLC (USA)
 3743 Genew Technologies Co., Ltd. (CHINA)
 3596 GES CO., LTD. (KOREA)
 1559 GIGA-BYTE TECHNOLOGY CO., LTD. (CHINESE TAIPEI)
 2945 Global Scanning Denmark A/S (DENMARK)
 3443 Global Scanning UK Ltd. (U.K.)

2630 GlobTek, Inc. (USA)	3454 LC Future Center Limited Taiwan Branch (CHINESE TAIPEI)	3703 Nextbit Systems Inc. (USA)	1012 Quantum Corporation (USA)	2173 SUNNY COMPUTER TECHNOLOGY CO., LTD. (CHINA)	3125 Vuzix Corporation (USA)
2419 GOOD WAY TECHNOLOGY CO., LTD. (CHINESE TAIPEI)	740 LEADTEK RESEARCH INC (CHINESE TAIPEI)	3033 NEXTLINK Co., LTD (KOREA)	[R]	2933 Sunrex Technology Corp (CHINESE TAIPEI)	[W]
3179 GS Instech Co., Ltd. (KOREA)	1342 LEICA CAMERA AG (GERMANY)	3448 Nimble Storage (USA)	3430 RAD Data Communications Ltd. (ISRAEL)	1880 SUPER MICRO COMPUTER INC. (USA)	1281 WatchGuard Technologies, Inc. (USA)
3720 G-SMATT Co., Ltd. (KOREA)	674 Lexmark International, Inc. (USA)	308 Nokia-Global Product Compliance Laboratory (USA)	2956 RadiSys Corporation (USA)	3085 Symantec Corporation (USA)	3699 Waterfall Security Solutions LTD (ISRAEL)
3225 Guillemot Corporation S.A (FRANCE)	256 LG Electronics Inc. (KOREA)	3139 NT-ware Systemprogrammierung GmbH (GERMANY)	3371 Rakuten Kobo Inc. (CANADA)	[T]	3666 Weifang GoerTek Electronics Co., Ltd (CHINA)
[H]	3497 Linear Technology (USA)	1904 NueTeq Technology, Inc. (CHINESE TAIPEI)	1895 Raritan International B.V. Taiwan Branch (CHINESE TAIPEI)	3271 TA Technology (Shanghai) Co.,Ltd (CHINA)	3763 Weihai Daewoo Electronics Co., Ltd.(CHINA)
3599 HappyOrNot Ltd. (FINLAND)	495 Lite On Technology Corp. (CHINESE TAIPEI)	3336 Nutanix, Inc. (USA)	3437 RF IDeas, Inc. (USA)	3175 Taiwan BOE Vision-electronic Technology Co., Ltd. (CHINESE TAIPEI)	2432 Western Digital Technologies, Inc. (USA)
1918 HARMONIC INC. (USA)	3214 Lite-On Technology Corporation (CHINESE TAIPEI)	1423 NVIDIA CORPORATION (USA)	2715 RF Window Co., Ltd (KOREA)	1078 Tandberg Data GmbH (GERMANY)	1718 WIBU-SYSTEMS Aktiengesellschaft (GERMANY)
6 Hewlett-Packard Japan, Ltd. (JAPAN)	532 Logitech Inc. (USA)	[O]	2377 Rimage Corporation (USA)	2469 TDK Hong Kong Co., Ltd. - EMC Department (HONG KONG)	2418 WIDE CORPORATION (KOREA)
3759 HFR, Inc. (KOREA)	3398 Lookingglass Cyber Solutions (USA)	3261 Oce Technologies B.V. (THE NETHERLANDS)	3421 ROAM Data Inc. (USA)	3727 Technicolor(China) Technology Co., Ltd. (CHINA)	2912 Wins Co., Ltd. (KOREA)
3736 HGST Inc. (USA)	2757 Lumentum Operations LLC (USA)	3550 Opegear Inc (USA)	3076 Robert Bosch Taiwan Co., Ltd.(CHINESE TAIPEI)	3408 TECO Image Systems Co., Ltd (CHINESE TAIPEI)	3377 WinSpeed Co., Ltd (CHINESE TAIPEI)
3059 HID Global Corporation (USA)	[M]	2559 Optica Technologies Inc. (USA)	3761 ROCCAT Asia Pacific Co., Ltd. (CHINESE TAIPEI)	3771 TECO SMART TECHNOLOGIES CO. LTD. (CHINESE TAIPEI)	1767 Wistron Corporation (CHINESE TAIPEI)
3372 Hitachi Data Systems Corporation (U.K.)	3133 Mad Catz Interactive Asia Limited Inc. (USA)	241 Oracle America, Inc. (USA)	3753 Royole Corporation (CHINA)	3771 TECO SMART TECHNOLOGIES CO. LTD. (CHINESE TAIPEI)	3145 Withings (FRANCE)
1724 HON HAI PRECISION IND. CO., LTD. (CHINESE TAIPEI)	1133 Magic Control Technology Corporation (CHINESE TAIPEI)	3062 Orion Technology Co., Ltd. (KOREA)	3389 RSUPPORT CO., LTD. (KOREA)	3771 TECO SMART TECHNOLOGIES CO. LTD. (CHINESE TAIPEI)	3423 Wiwynn Corporation (CHINESE TAIPEI)
3235 Honeywell Scanning & Mobility (USA)	2105 Malvern Instruments Limited (U.K.)	577 Overland Storage Inc. (USA)	3716 Rubrik International Inc. (USA)	[X]	3667 Wurdtech Security Technologies (CANADA)
3385 Hon-Kwang Electric Co., Ltd. (CHINESE TAIPEI)	359 Matrox Electronic Systems (CANADA)	3657 OXTI CORPORATION (CHINESE TAIPEI)	2480 Ruckus Wireless, Inc. (USA)	3758 Tembo Systems, Inc (USA)	3359 XAC Automation Corporation (CHINESE TAIPEI)
1968 Huawei Technologies CO., LTD. (CHINA)	3639 Matterport, Inc. (USA)	[P]	[S]	2943 Teradata Corporation (USA)	2827 Xerox Corporation (USA)
3625 HUMAX Co., Ltd. (KOREA)	3278 MBX Systems (USA)	3441 Palo Alto Networks Inc (USA)	927 Samji Electronics Co., Ltd. (KOREA)	3782 Thales e-Security, Inc. (USA)	3538 XYZprinting, Inc. (CHINESE TAIPEI)
3365 HYUNDAI MEDIA Co., Ltd. (KOREA)	2863 Mellanox Technologies, Ltd. (ISRAEL)	3434 Panasas, Inc. (USA)	2750 SAMPO Corporation Ltd (CHINESE TAIPEI)	3120 Thecus Technology Corp. (CHINESE TAIPEI)	[Y]
3595 Hyve Solutions Corporation (USA)	3442 Meraki, Inc. (USA)	2372 Panduit Corp. (USA)	271 SAMSUNG ELECTRONICS Co.,Ltd.(KOREA)	3719 THINKWARE CORPORATION (KOREA)	3229 YOUNG Lighting Technology Inc. (CHINESE TAIPEI)
[I]	2694 Micron Consumer Products Group, Inc. (USA)	3395 ParTech Inc. (USA)	3122 SanDisk Corp. (USA)	2645 Thomson Video Networks (FRANCE)	
3031 I/O INTERCONNECT INC. (CHINA)	3102 Micron Technology, Inc. (USA)	1808 PARTNER TECH CORP. (CHINESE TAIPEI)	2168 SanDisk IL (ISRAEL)	3005 TIBCO Software Inc. (USA)	
560 Identiv, Inc. (USA)	1639 Microsemi (ISRAEL)	3360 PC WORTH INT'L CO., LTD. (CHINESE TAIPEI)	3627 Sanmina Corp (USA)	3466 Tigo Energy, Inc. (USA)	
1737 IEI Integration Corp. (CHINESE TAIPEI)	3786 Microsemi Frequency & Time Corporation (USA)	2869 PEGATRON CORPORATION (CHINESE TAIPEI)	1416 Seagate Systems (UK) Ltd (U.K.)	3713 Tintri, Inc. (USA)	
3670 IGEL Technology GmbH (GERMANY)	748 Microsemi Storage Solutions Inc. (USA)	3536 Pen Generations, Inc. (KOREA)	3046 Seagate Technology (USA)	1601 Top Victory Electronics Co., Ltd. (CHINESE TAIPEI)	
1272 IYAMA CORPORTION (THE NETHERLANDS)	768 MICROSOFT CORPORATION (USA)	2614 Philips & Lite-On Digital Solutions Corp. (CHINESE TAIPEI)	2552 SEH Computertechnik GmbH (GERMANY)	3652 TP-LINK Technologies Co., Ltd. (CHINA)	
2368 Imaging Business Machines, LLC (USA)	1573 Micro-Star International Co., Ltd. (CHINESE TAIPEI)	2181 PIOLINK, Inc. (KOREA)	3239 SendTek Corporation (CHINESE TAIPEI)	3401 TPV-INVENTA TECHNOLOGY CO., LTD. (CHINESE TAIPEI)	
3591 Imperva, Inc. (ISRAEL)	3632 Milestone Systems A/S (DENMARK)	3492 piQx Imaging Pte. Ltd. (SINGAPORE)	481 SerComm Corporation (CHINESE TAIPEI)	3542 TransAct Technologies Incorporated (USA)	
2664 Infinera Corporation (USA)	1433 MITAC COMPUTING TECHNOLOGY CORPORATION (CHINESE TAIPEI)	2524 Plantronics Inc. (USA)	3760 Shenzhen 3NOD Information Technology Co., Ltd. (CHINA)	3695 Trenton Systems (USA)	
3192 INFINITT Healthcare Co., Ltd. (KOREA)	1896 MitraStar Technology Corporation (CHINESE TAIPEI)	3635 Plexxi, Inc. (USA)	3219 Shenzhen Bitland Information Technology Co., Ltd. (CHINA)	3781 Trustwave Holdings, Inc. (USA)	
2472 INFOBLOX (USA)	754 MONTEREY INTERNATIONAL CORP. (CHINESE TAIPEI)	1017 Plustek Inc. (CHINESE TAIPEI)	3618 Shuttle Inc. (CHINESE TAIPEI)	3565 Twinhead International Corp. (CHINESE TAIPEI)	
3745 Innoreless Co., Ltd. (KOREA)	3529 MOXA CONNECTIVITY CO., LTD (CHINESE TAIPEI)	3642 PNY TECHNOLOGIES Asia Pacific Limited (CHINESE TAIPEI)	1591 SIIG, Inc. (USA)	[U]	
3460 Interconnect System Inc. (USA)	2062 POWERCOM CO., LTD. (CHINESE TAIPEI)	578 Polycom, Inc (U.K.)	2306 Silicom Ltd. (ISRAEL)	3609 UGREAT ELECTRONIC CO., LTD (CHINESE TAIPEI)	
378 Inventec Corporation (CHINESE TAIPEI)	3374 Pride Tech Corporation (CHINESE TAIPEI)	3559 Portwell, Inc. (CHINESE TAIPEI)	286 Silicon Graphics International Corporation (USA)	3784 U-HAN PRESEN Co., LTD (KOREA)	
2947 IPEVO corp (CHINESE TAIPEI)	851 Primax Electronics Ltd. (CHINESE TAIPEI)	3146 Power Quotient International Co., Ltd. (CHINESE TAIPEI)	2535 Silver Peak Systems, Inc. (USA)	2901 Ulticom Inc. (USA)	
2246 Isilon Systems Inc. (USA)	3766 Primera Technology, Inc. (USA)	2062 POWERCOM CO., LTD. (CHINESE TAIPEI)	3131 SK hynix Inc. (KOREA)	886 Universal Global Scientific Industrial Co., Ltd. (CHINESE TAIPEI)	
[J]	1910 PROMISE TECHNOLOGY, INC. (CHINESE TAIPEI)	3374 Pride Tech Corporation (CHINESE TAIPEI)	2835 Sling Media, Inc. (USA)	[V]	
3779 JiranSecurity Co., Ltd. (KOREA)	3002 NDS Surgical Imaging (USA)	851 Primax Electronics Ltd. (CHINESE TAIPEI)	1960 SMART Modular Technologies, Inc. (USA)	3730 Velocloud Networks, Inc. (USA)	
3737 Jogtek Corp (CHINESE TAIPEI)	3535 Neophotonics (China) Co., Ltd. (CHINA)	3766 Primera Technology, Inc. (USA)	2501 SMART Technologies ULC (CANADA)	3668 Veritas Technologies Corp. (USA)	
1164 Juniper Networks, Inc. (USA)	1687 NetApp, Inc (USA)	3726 Psi Laser GmbH (GERMANY)	3607 SMAX Technology Co., Ltd. (CHINESE TAIPEI)	3003 ViaSat, Inc. (USA)	
[K]	1418 NETGEAR, Inc. (USA)	3658 Pulse Secure, LLC (USA)	3384 SMEC CO., LTD (KOREA)	2595 ViaScope Inc. (KOREA)	
3754 Kaga(H.K.) Electronics Limited (HONG KONG)	1533 Netronix Inc. (CHINESE TAIPEI)	[Q]	3631 SoftBank Robotics Europe (FRANCE)	2963 Vidyo, Inc. (USA)	
3339 Katron Technologies Inc. (CHINESE TAIPEI)	3712 Netronome Systems, Inc. (USA)	2841 Qisda Corporation (CHINESE TAIPEI)	2597 Solace Corporation (CANADA)	3613 ViewSonic International Corporation (CHINESE TAIPEI)	
3325 Kent Displays, Inc. (USA)	667 NetScout Systems, Inc. (USA)	1182 Qlogic a Cavium company (USA)	3279 Solarflare Communicaitons Inc (U.K.)	3194 Vigilent Corporation (USA)	
2845 Kingston Digital, Inc. (USA)	3023 NetScout Systems Texas, LLC (USA)	3162 QNAP Systems, Inc. (CHINESE TAIPEI)	794 SOLID YEAR CO.,LTD. (CHINESE TAIPEI)	3277 Violin Memory, Inc. (USA)	
3788 KISAN TELECOM Co., LTD (KOREA)	1316 Network Engines Inc, DBA "NEI", & DBA "Unicom Engineering Inc." (USA)	2261 Qualys, Inc. (USA)	3158 SOLiD, Inc. (KOREA)	3698 Virtium LLC (USA)	
3574 Konftel AB (SWEDEN)	2608 New H3C Technologies Co., Ltd. (CHINA)	3623 Quanta Cloud Technology Inc. (CHINESE TAIPEI)	3773 Sonicwall, Inc. (USA)	3439 Virtual Instruments Corporation (USA)	
3041 Kontron America (USA)	3362 Newline Interactive Inc. (CHINESE TAIPEI)	726 QUANTA COMPUTER INC. (CHINESE TAIPEI)	1558 Sonus Networks, Inc. (USA)	2443 VIVOTEK INC. (CHINESE TAIPEI)	
3317 KOSTEC Co., Ltd. (KOREA)	1961 NEXCOM International Co., LTD. (CHINESE TAIPEI)	2039 Quanta Storage Asia Limited (Quanta Storage Inc.) (CHINESE TAIPEI)	3249 Sophos Ltd (U.K.)	3291 Voyetra Turtle Beach, Inc. (USA)	
861 KYE SYSTEMS CORPORATION (CHINESE TAIPEI)			3783 Sound and Light Co. Ltd (CHINESE TAIPEI)	3752 VT iDirect, Inc. (USA)	
[L]			3650 Spectra Logic Corporation (USA)		
2152 Lantronix Inc. (USA)			3447 SteelSeries APs (CHINESE TAIPEI)		
3500 Lastar Inc. (USA)			1498 Stratus Technologies, Inc. (USA)		
			3243 SUNIX Co., Ltd. (CHINESE TAIPEI)		

Supporting Members

<Japanese>

No. Company Name

[A]	3740 AKITA Industrial Technology Center
	3196 ANRITSU CUSTOMER SUPPORT CO., LTD.
[C]	884 Canon Imaging Systems Inc.
	1192 Chiba Industry Advancement Center Toukatsu Techno Plaza
	1846 Chokuan Information and Industry Development Association
	755 COSMOS CORPORATION
[E]	997 E & C Engineering K.K.
	1263 Ehime Institute of Industrial Technology
	259 EMC Japan Corporation
	300 e-OHTAMA, LTD.
	1906 ETS-Lindgren Japan, Inc.
[F]	2865 FUJIFILM Techno Products Co., Ltd.

1115 FUJITSU GENERAL EMC LABORATORY LIMITED	[P]	3329 BEC Incorporated (USA)	2210 EMITECH Angers (FRANCE)	3656 Lab-T, Inc. (KOREA)	842 Spectrum Research & Testing Laboratory Inc. (CHINESE TAIPEI)
575 Fukushima Technology Centre	2024 Panasonic Factory Solutions Co., Ltd.	672 BTL Inc. (CHINESE TAIPEI)	2893 EMTEK (shenzhen) Co., Ltd. (CHINA)	3533 LCIE Bureau Veritas (FRANCE)	
	608 Panasonic System Networks Evaluation Technology Co., Ltd.	2709 BTL Inc. (CHINA)	719 EMV TESTHAUS GMBH (GERMANY)	1132 Liberty Labs, Inc. (USA)	466 Sporton International Inc. (CHINESE TAIPEI)
[G]	2923 PFU TECHNOCONSUL Limited	818 Bureau Veritas Consumer Products Services (USA)	3270 EST Technology Co., Ltd (CHINA)		3096 Standard Bank Co., Ltd (KOREA)
1007 GE Healthcare Japan Corporation			3470 ESTECH Co., Ltd. (KOREA)	[M]	
2586 GIKENKOGYO CO., LTD. TECHNOSHIELD BUSINESS DIVISION	[R]	2213 Bureau Veritas Consumer Products Services (GERMANY)	1474 ETL Inc. (KOREA)	757 MET LABORATORIES, INC. (USA)	[T]
	2285 Radio Engineering & Electronics Association			2959 MiCOM Labs (USA)	658 Test Site Services (USA)
[H]	1398 RAKURYOU TECHNICA CO., LTD.	395 Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch (CHINESE TAIPEI)	[F]	3575 MRT Technology (Suzhou) Co., Ltd (CHINA)	3379 The Compliance Management Group (CMG)(USA)
423 HIROSHIMA-TECHNOPLAZA CORPORATION	485 RIKEN ENVIRONMENTAL SYSTEM Co., Ltd	2115 Bureau Veritas Shenzhen Co., Ltd.	3636 F Squared Engineering Corp dba F2 Labs (USA)		3587 The First Research Institute of Telecom. Tech. TFTX Laboratory (CHINA)
1823 Hitachi High-Technologies Corporation	2759 Rohde & Schwarz Japan K.K.	Dongguan Branch (CHINA)	2003 Flextronics Canada Design Services Inc. (CANADA)	[N]	
2207 Hitachi Information & Telecommunication Engineering, Ltd. EMC Center	1337 Roland Corporation	3772 BV 7Layers Communications Technology (Shenzhen) Co., Ltd. (CHINA)		1211 National Technical Systems (USA)	1328 The Hong Kong Standards and Testing Centre Ltd. (HONG KONG)
3356 Hyogo Prefectural Institute of Technology	[S]	1818 BWS TECH, INC. (KOREA)	[G]	3702 Nebraska Center for Excellence in Electronics (NCEE Labs) (USA)	831 The Standards Institution of Israel (SII) (ISRAEL)
	3446 Samoto & Associates, Ltd.		2778 Global Certification Corp. (CHINESE TAIPEI)	3220 Nemko AS (NORWAY)	916 3C Test Ltd (U.K.)
[I]	2906 SELA Corporation	[C]	708 Global EMC Standard Tech. Corp. (CHINESE TAIPEI)	642 Nemko Canada Inc. (CANADA)	3241 TPV Display Technology (Xiamen) Co., Ltd. (CHINA)
3234 Industrial Research Institute of Niigata Prefecture	2563 SGS RF Technologies Inc.	1847 Central Research Technology Co. (CHINESE TAIPEI)	2752 Global Testing Laboratories (USA)	2118 Nemko Korea Co., Ltd. (KOREA)	2697 TUV Rheinland (Guangdong) Ltd. (CHINA)
397 Industrial Research Institute of Shizuoka Prefecture Hamamatsu Technical Support Center	3274 Shimane Insutitute Industrial Technology	3517 Centre of Testing Service Co., Ltd.(CHINA)	3498 Guangdong Keyway Testing Technology Co., Ltd. (CHINA)	720 Nemko USA, Inc. - San Diego EMC Division (USA)	639 TUV Rheinland Nederland BV (THE NETHERLANDS)
742 Industrial Technology Center of OKAYAMA Pref.	1849 Sony Global Manufacturing & Operations Corporation	3177 Centre Testing International Group Co., Ltd. (CHINA)	3677 Guangzhou Quality Supervision And Testing Institute(GQT) (CHINA)		1097 TUV Rheinland of North America (USA)
2264 Industrial Technology Center of Tochigi Prefecture	[T]	2216 Cerpass Technology Corporation (CHINESE TAIPEI)	2092 Gumi University EMC Center (KOREA)	[O]	3252 TUV Rheinland Taiwan Ltd. (CHINESE TAIPEI)
1213 Industrial Technology Institute, Miyagi Prefectural Government	346 TDK-Lambda Corporation	2783 CETECOM GmbH (GERMANY)		782 ONETECH Corp. (KOREA)	129 TUV SUD America Inc. (USA)
999 Intertek Japan K.K.	996 Tokin EMC Engineering Co., Ltd.	555 Chomerics Test Services (USA)	[H]		2718 TUV SUD Canada Inc. (CANADA)
579 IPS Corporation	1098 TOKYO METROPOLITAN INDUSTRIAL TECHNOLOGY RESEARCH INSTITUTE	2765 CHUNGBUK TECHNOPARK (KOREA)	3606 Hangzhou TDT Technologies Co., Ltd (CHINA)	[P]	433 TUV SUD Product Service Ltd. (U.K.)
2227 ISHIKAWA Co., Ltd.	943 Toshiba Carrier Engineering & Life Support Corp.	213 CKC Laboratories, Inc. (USA)	3026 HCL TECHNOLOGIES LTD. (INDIA)	656 PCTEST Engineering Laboratory, Inc. (USA)	542 TUV SUD PSB Pte Ltd (SINGAPORE)
3649 Iwate Industrial Research Institute	3283 Toyama Industrial Technology Center	530 Compatible Electronics, Inc. (USA)	264 HCT Co., Ltd (KOREA)	3418 PEP Certification Corp. (CHINESE TAIPEI)	
	995 TOYO Corporation	1938 Compliance Certification Services (KunShan) Inc. (CHINA)	592 Hermon Laboratories Ltd. (ISRAEL)	2670 Precision Machinery Research & Development Center (CHINESE TAIPEI)	[U]
[J]	3396 Toyota Industries Corporation	3647 Compliance Certification Services (Shenzhen) Inc. (CHINA)	1814 Hong An Technology CO., LTD. (CHINESE TAIPEI)	409 Professional Testing (EMI), Inc. (USA)	3148 UL International Singapore Pte Ltd (SINGAPORE)
3619 Japan Automobile Research Institute	811 TUV Rheinland Japan Ltd.	710 Compliance Certification Services Inc. (CHINESE TAIPEI)	3070 Hong Fu Jin Precision Electrons (Yantai) Co., Ltd. (CHINA)		596 UL LLC (USA)
792 JAPAN ELECTRICAL SAFETY & ENVIRONMENT TECHNOLOGY LABORATORIES	620 TUV SUD Japan Ltd.	3330 Core Compliance Testing Services, LLC (USA)	2257 Hong Fu Jin Precision Ind. (Shenzhen) Co., Ltd. (CHINA)	[Q]	376 UL Verification Services Inc. (USA)
140 JEL Limited	240 TUV SUD Zacta Ltd.	332 CSA Group bayern GmbH (GERMANY)		3718 QAI Laboratories, Ltd. (CANADA)	1309 Ultratech Engineering Labs Inc. (CANADA)
	[U]	2981 CSA International (CANADA)	1145 HURSLEY EMC SERVICES LTD (U.K.)	1798 QualiTech, EMC Lab. (ISRAEL)	3648 UniLab (Shanghai) Co., Ltd. (CHINA)
[K]	474 UL Japan, Inc	1208 CTK Co., Ltd. (KOREA)			892 Universal Compliance. Labs dba EMCE Engineering (USA)
1251 Kagawa Industry Support Foundation (NEXT KAGAWA)	[W]		[I]	[R]	
689 Kanagawa Industrial Technology Center	260 WAVE CORPORATION		821 I.T.L. (PRODUCT TESTING) LTD (ISRAEL)	3604 Radiometrics Midwest Corporation (USA)	935 VDE Testing and Certification Institute (GERMANY)
187 KITAGAWA INDUSTRIES CO., LTD.			3452 International Certification Corp.(CHINESE TAIPEI)	1908 RETLIF Testing Laboratories (USA)	
3569 KYB Corporation	[Y]	[D]	243 International Standards Laboratory Corp. (CHINESE TAIPEI)		[W]
3304 Kyoritsu Electric Corporation	3318 YAMAHA MOTOR CO., LTD.	270 D.L.S. Electronic Systems, Inc. (USA)	1349 Interocean EMC Technology Corp. (CHINESE TAIPEI)	[S]	3581 Wendell Industrial Co., Ltd. (CHINESE TAIPEI)
	911 Yashima Denki Co., LTD.	1153 DEKRA Testing and Certification Co., Ltd. (CHINESE TAIPEI)	960 Intertek Testing Services Hong Kong Ltd. (HONG KONG)	3707 Savvius, Inc. (USA)	3750 WH Technology Corp. (CHINESE TAIPEI)
[L]	92 YOKOGAWA ELECTRIC CORPORATION	910 DELTA a part of FORCE Technology (DENMARK)	3598 Intertek Testing Services Ltd., Shanghai (CHINA)	2793 SGS Germany GmbH (GERMANY)	2450 Worldwide Testing Services (Taiwan) Co., Ltd. (CHINESE TAIPEI)
1370 Labotech International Co., Ltd.		715 DNB Engineering, Inc. (USA)	334 Intertek Testing Services NA Inc. (USA)	2934 SGS Korea Co., Ltd. (KOREA)	
	<Overseas>	3207 DSTech Co. (KOREA)	1253 Intertek Testing Services Taiwan Ltd. (CHINESE TAIPEI)	3300 SGS North America (USA)	
[M]	No. Company Name	1722 DT&C Co., Ltd. (KOREA)		1600 SGS Taiwan Ltd. (CHINESE TAIPEI)	[Y]
1301 Minami-Shinsyu Iida Industry Center	[A]		3685 ITC Engineering Services, Inc. (USA)	3061 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. (CHINA)	1006 YORK EMC SERVICES LTD. (U.K.)
1438 Miyazaki Prefecture Industrial Technology Center	3034 A Test Lab Techno Corp. (CHINESE TAIPEI)	[E]		1937 SGS-CSTC Standards Technical Services Co., Ltd. (CHINA)	1062 York EMC Services, Grangemouth (U.K.)
2973 M-System Co., Ltd.	2186 APPLUS+ LGAI (SPAIN)	3756 East China Institute of Telecommunications (CHINA)	[J]	3738 Shanghai Inspection and Testing Institute of Instruments and Automatic Systems (CHINA)	
	966 Atlas Compliance & Engineering, Inc. (USA)		2746 Jiangsu Electronic Information Product Quality Supervision & Inspection Institute (CHINA)	2621 Shanghai Institute of Measurement and Testing Technology EMC Lab. (CHINA)	
[N]	1257 AUDIX Technology (Shanghai) Co., Ltd. (CHINA)	1607 Electrical and Electronics Institute (EEI), Thailand (THAILAND)		3525 Shenzhen Academy of Metrology and Quality Inspection (CHINA)	
352 Nagano Prefectural General Industrial Technology Center Precision and Electronics Technology Department	638 Audix Technology (Shenzhen) Co., Ltd. (CHINA)	922 ELECTRO MAGNETIC TEST, INC. (USA)	[K]	2218 Shenzhen Huatongwei International Inspection Co., Ltd. (CHINA)	
3592 NIPPON SEIKI CO., LTD.	2653 Audix Technology (WuJiang) Co., Ltd. (CHINA)	2870 ElectroMagnetic Investigations, LLC (USA)	1980 KCTL Inc. (KOREA)	3641 Shenzhen TCT Testing Technology Co., Ltd. (CHINA)	
3562 NISSEI ELECTRIC CO., LTD.	237 Audix Technology Corporation (CHINESE TAIPEI)	3322 Electromagnetic Testing Services Ltd (U.K.)	3669 KES Co., Ltd. (KOREA)	3081 SIEMIC INC. (USA)	
684 NOISE LABORATORY CO., LTD.		277 Electronics Testing Center, Taiwan (CHINESE TAIPEI)	3465 Keystone Compliance, LLC (USA)	3071 SINGAPORE EPSON INDUSTRIAL PTE LTD (SINGAPORE)	
2689 Noritz Corporation	[B]	564 Element Materials Technology Portland-Evergreen Inc. (USA)	2005 KOSTEC Co., Ltd. (KOREA)		
	981 Bay Area Compliance Laboratories Corp. (USA)	657 Element Materials Technology Warwick Ltd. (U.K.)		1411 SK Tech Co., Ltd. (KOREA)	
[O]	3776 Bay Area Compliance Laboratories Corp. (Taiwan) (CHINESE TAIPEI)	785 EMC Technologies Pty Ltd (AUSTRALIA)	[L]	3561 SP Technical Research Institute of Sweden (SWEDEN)	
3577 OG GIKEN CO., LTD.	3387 Bay Area Compliance Labs Corp.,(ShenZhen) (CHINA)	1409 EMCCons DR. RASEK GmbH & Co. KG (GERMANY)	3376 Laboratoria De Nayer VZW (BERGIUM)		
3568 OHTAMA CALIBRATION SERVICE Co., Ltd.					
898 OKI ENGINEERING CO., LTD.					

As of March 31, 2017

Settlement of account for FY2016

(Statement of net assets)

From April 1, 2016 to March 31, 2017

(unit: Japanese yen)

Items	Current fiscal year	Previous fiscal year	Increase or decrease
I. Statement of general net assets			
1. Ordinary increase and decrease			
(1) Ordinary earnings			
① Admission fees received	(3,300,000)	(3,950,000)	(△ 650,000)
Admission fees received	3,300,000	3,950,000	△ 650,000
② Membership fees received	(235,100,000)	(237,450,000)	(△ 2,350,000)
Membership fees received	235,100,000	237,450,000	△ 2,350,000
③ Earning on enterprise fees	(14,935,000)	(17,642,000)	(△ 2,707,000)
Site registration fees	11,520,000	13,742,000	△ 2,222,000
Seminar enrollment fees	3,415,000	3,900,000	△ 485,000
④ Miscellaneous earnings	(2,556,312)	(2,039,949)	(516,363)
Miscellaneous earnings	2,556,312	2,039,949	516,363
Total ordinary earnings	255,891,312	261,081,949	△ 5,190,637
(2) Ordinary expenditure			
① Enterprise expenditure	(212,239,775)	(228,405,446)	(△ 16,165,671)
Labor	52,153,585	56,694,971	△ 4,541,386
Enterprise overhead	44,803,262	49,331,382	△ 4,528,120
Operating expenditure	3,604,872	3,253,383	351,489
Standards setting	14,343,379	17,647,345	△ 3,303,966
Technical education and training	5,708,701	7,249,398	△ 1,540,697
Market surveillance	25,460,774	26,999,211	△ 1,538,437
International relations operation	5,073,051	6,328,306	△ 1,255,255
Public relations	19,545,794	17,312,517	2,233,277
Site registration expenditure	32,880,000	34,800,000	△ 1,920,000
Transfer to bonus reserve fund	5,590,437	5,550,133	40,304
Transfer to retirement allowance reserve fund	2,403,920	2,062,800	341,120
Transfer to officers retirement bonus reserve fund	672,000	1,176,000	△ 504,000
② Administrative expenditure	(27,626,075)	(31,250,224)	(△ 3,624,149)
Labor	13,038,377	14,173,731	△ 1,135,354
Housekeeping	12,421,109	14,879,260	△ 2,458,151
Transfer to bonus reserve fund	1,397,609	1,387,533	10,076
Transfer to retirement allowance reserve fund	600,980	515,700	85,280
Transfer to officers retirement bonus reserve fund	168,000	294,000	△ 126,000
Total ordinary expenditure	239,865,850	259,655,670	△ 19,789,820
Current fiscal year ordinary increase and decrease amount	16,025,462	1,426,279	14,599,183

Items	Current fiscal year	Previous fiscal year	Increase or decrease
General net assets before TAX	16,025,462	1,426,279	14,599,183
Corporation tax, residential tax and enterprise tax	70,000	70,000	0
Current fiscal year general net assets	15,955,462	1,356,279	14,599,183
Balance of general net assets at the beginning of the term	327,830,170	326,473,891	1,356,279
Balance of general net assets at the end of the term	343,785,632	327,830,170	15,955,462
II. Balance of net assets at the end of the term	343,785,632	327,830,170	15,955,462

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Participating organizations

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Japan Business Machine and Information
System Industries Association (JBMA)
Communications and Information network
Association of Japan (CIAJ)

As of March 31, 2017

