VCCI Council
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VCCI

VCCI Council

2022

April 2022 - March 2023

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

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

» INDEX

» Greetings

VCCI Council President:
HIRAI Atsuo

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

At the Council and Board of Directors meeting held on June 27 this year, I was appointed President of VCCI Council. I am humbled by this decision and look forward to fulfilling my new responsibilities. Here, I would like to deliver a report on our FY 2022 activities, and I look forward to your continued support.

VCCI is currently taking the COVID-19 pandemic as an opportunity to accelerate social digitalization initiatives. In addition to pandemic-related measures such as introducing work from home at VCCI Council, we have been working hard to develop work environments and improve work efficiency by using digital technologies. I would like to extend my appreciation to all VCCI members for their understanding and support during this time. Now that we are finally transitioning to post-COVID life, human interaction is returning to pre-COVID levels. In FY 2022, VCCI Council did its best to resume activities that had to be canceled or postponed in the period from FY 2020 to 2021. Meanwhile, however, we are facing ever-accelerating digital socioeconomic transformation due to rapid advances in digital technologies such as AI and robotics. I believe it will become increasingly important to provide communication environments to support this transformation.

In October 2022, the world's largest CPS and IoT Exhibition, CEATEC 2022, was held face to face for the first time in three years, using a hybrid online-offline format. The purpose of CEATEC is to bring together people, technologies, and information from a variety of industries and occupations to 'co-create' our envisioned future with the aim of building "Society 5.0", a two-pronged solution to economic-development and social issues. This will involve no less than a full-scale collaborative effort to build our new social and economic visions emerging in the post-COVID-19 era. It could be said that the key to achieving Society 5.0 will be digital technologies such as carbon neutrality to prevent climate change and the realization of the national vision of a "Digital Garden City". In turn, the foundation for these technologies will consist of communication infrastructure and devices such as semiconductors. For example, the next-generation communication standard "5G", for which services were launched in Japan in April 2020, is expected to see wider coverage and increasing numbers of compatible terminals. 5G, whose features include increased speeds and capacities, ultra-low latency, and multiple simultaneous connections, is expected to serve as the backbone of mobile networks. Not only that; local 5G networks are expected to be used across a wide range of fields such as monitoring and control at factories, and sports events and concerts at stadiums.

Needless to say, the wireless and radio technologies essential to realizing Society 5.0 will require a clean electromagnetic environment. I believe VCCI's roles and responsibilities in this area will grow increasingly important in the future. Since the 1985 founding of our predecessor, the Voluntary Control Council for Interference by Information Technology Equipment, VCCI Council has been working to prevent interference caused by information technology devices. VCCI Council has also been engaged in activities to protect the interests of users and consumers of electrical and electronic devices. Compared to those early days, CPU operating frequencies have improved from the order of MHz to the order of GHz, and advancements in the internet have popularized the use of LANs not just in offices, but also in the home. Over-the-air television broadcasting has also gone digital, a transition that was completed by 2011. 2015 saw the publication of CISPR 32 Edition 2, an international standard for electromagnetic emissions from multimedia equipment. These standards are being increasingly applied within Japan based on a recommendation submitted to the Information and Communications Council of the Ministry of Internal Affairs and Communications held in December of that year. VCCI Council's new Rules for Voluntary Control Measures, based on these new multimedia EMC standards, were published and enforced from November 2016. I know that our members have been diligent about understanding and enforcing the current Rules for Voluntary Control Measures, and I am thankful to you all. In recent years, the number of new "Registration of Product Conformity" submissions has remained steady at about 5,000 per year. Additionally, we are seeing more and more new members from countries overseas that previously had no members at all. Our membership now spans 30 countries and regions.

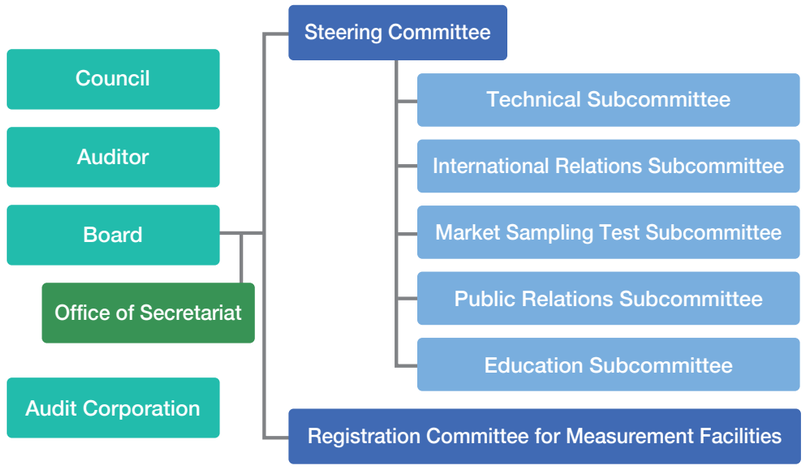
VCCI Council's activities are driven by the trust inspired by the VCCI mark. Specifically, our operation is underpinned by our three "pillars" of regulation: our system for registering measurement facilities, our system of self-declaration by member-filed registration of product conformity, and our fair 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. Improving awareness of the VCCI mark worldwide and contributing to the enactment of international standards for electromagnetic interference are an important part of VCCI Council's promotion of voluntary control. In FY 2022, as in prior fiscal years, an international forum was held by inviting speakers from overseas electromagnetic interference regulatory authorities, with video and documents distributed on demand. Annually, we compile research results obtained through our membership activities into papers for presentation at relevant conferences in Europe, the USA, and the Asia-Pacific. We believe that these kinds of activities have improved awareness of VCCI Council not only in Japan, but also overseas.

Meanwhile, in Japan, VCCI Council holds on-demand seminars at the Info-Communication Promotion Month event hosted by the Ministry of Internal Affairs and Communications, and online educational and awareness-raising sessions on electromagnetic interference by the VCCI educational and training business. VCCI also continues to provide technical training to engineers working with electromagnetic interference, and improved awareness of the VCCI mark through promotion of 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 Society 5.0. We will make sure these kinds of activities prove meaningful to our members, and in turn to Japanese consumers.

I hope you will continue to support our activities going forward.

» Organization



Board of councilors

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HIRAI Atsuo (from June 27, 2023)
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Communications and Information Network Association of Japan

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ODA Akira
VCCI Council

■ Auditor

HASEGAWA Hiroaki
Formerly of DOCOMO Datacom, Inc.

Accounting Auditor

Miogi Audit Corporation

» VCCI Council Committees and Activities

Steering Committee

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

General operations

(1) Establishment of the new "Rules for Voluntary Control Measures" based on CISPR 32 Edition 2.0

The new "Rules for Voluntary Control Measures" based on CISPR 32 Edition 2.0 (which is most recent) were enacted and enforced in November 2016. Acceptance of registration of product conformity based on the old V-2 "Rules for Voluntary Control Measures" terminated at the end of March 2019. This fiscal year is the fourth year since the period allowing overlap between the new and old rules ended. Judging from the volume of registration of product conformity and other documents, we can assume that VCCI members have made a smooth transition to the new rules, which are now firmly established.

(2) Dissemination and awareness-raising activities on the new "Rules for Voluntary Control Measures" based on CISPR 32 Edition 2.0

This fiscal year, two guidance documents were published. "Guidance for Registration of Product Conformity" (VCCI 32-1-G:2022), a revision of "Guidance for Registration of Product Conformity" (VCCI 32-1-G:2021), became effective on December 22, 2022. In addition, the new "Guidance for Rules for Voluntary Control Measures" (VCCI 32-1-J:2022) was enacted in December 2022.

The year before last, as in the previous fiscal year, the VCCI seminar was held on demand (by granting IDs and passwords to 73 applicants to view the video) through the VCCI Council website from June 6 to 10. This seminar is usually held at our conference room every May as the Info-Communication Promotion Month event hosted by the Ministry of Internal Affairs and Communications. Based on the content of this seminar, we hosted VCCI Seminar 2022 on our website from September 5 to 16 to introduce the activities of VCCI and offer the latest news to our overseas members. 38 members (including 13 from China, 11 from Taiwan, 4 from the U.S. and South Korea respectively, 2 from Slovenia, and 1 from the UK, Canada, the Czech Republic, and Hong Kong respectively) participated in the Seminar.

(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 2023, the numbers of laboratories registered using this system have reached 68 in the U.S., and 53 in Japan. For the first time in three years, we held face-to-face meetings to exchange information with A2LA and NVLAP, two of the three U.S. laboratory accreditation bodies (A2LA, NVLAP, and ANAB). In May and November 2022, we also participated in the REDCA meetings (held online), where we collected reference information on trends in market sampling tests and on international standard setting.

(4) Enhancement of IT infrastructure security and compliance

Regarding mission-critical system restructuring (to build a new integrated system), we first validated the overall requirements (phase 2) based on the requirements defined in the previous fiscal year (phase 1) and built a user interface (phase 3). The basic design work was commenced in October. As in the previous year, we took thorough measures to prevent the spread of COVID-19 within the office and to ensure readiness in the event of an earthquake.

NOTE ・A2LA : American Association for Laboratory Accreditation
・NVLAP : National Voluntary Laboratory Accreditation Program
・ANAB : ANSI National Accreditation Board

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 proposing international standardization

VCCI Council participated in EMC-related committees in Japan and overseas, promoting activities to reflect its opinions in the short-term and long-term challenges raised for next term's revisions to the CISPR 32 standard (July 2025). VCCI Council also promoted activities to propose international standardization of power cable termination conditions at the CISPR, SC-A&I, and JAHG6 conferences.

First, we submitted Japan's proposal for power cable termination conditions for radiated-emission measurement in the 1st CD document for CISPR 32 Ed. 3.0. Then, we suggested how the change in measurement method for radiated emissions above 1 GHz in Ed. 2.1 might relate to or impact scanning of absorber placement and height as described in CISPR16. We submitted 10 contributed documents on the addition of power cable termination condition devices to CISPR/SC-A&I/JAHG6 for publication in CISPR 16-1-4 Ed. 5.0. The 3rd CD document was published in April 2022, and a draft CDV document has been created and is awaiting feedback. For radiated emission measurement in CISPR 16-2-3, we created a draft CD using power cable termination devices, which is currently under review by CISPR/SC-A&I/JAHG6.

We also addressed important issues relating to future revisions to standards. Specifically, we added AANs used to measure wired network ports as described in CISPR 32 from CISPR/SC-A&I/JTF (which integrates the CISPR 32 and CISPR 16 series) to CISPR 16-1-2. We raised the maximum frequency for radiated emission measurements in CISPR/SC-A/AHG7 (measurement devices from 18 GHz to 40 GHz) and conducted standardization activities for introducing conducted emissions below 150 kHz in CISPR/SC-H/WG1 (which revises the common standards).

Finally, we participated in the standardization activities of national standards, and submitted our feedback in a CISPR deliberation document.

(2) Hosting of the Technical Symposium

To share information on the results achieved by the Technical Subcommittee with VCCI members, we held the Technical Symposium on February 10, 2023 (Fri) face to face for the first time in three years. 41 members participated. Afterwards, Chris Harvey, who had to cancel his trip to Japan due to the COVID-19 pandemic, held an on-demand stream including a special lecture from March 6 to 10, 2023 viewed by 48 participants. Theses released by international academic associations were also explained at the Symposium.

(3) Main activities of the Technical Subcommittee and each working group

(a) Technical Subcommittee

We created a document about the international standardization of power cable termination conditions and a contributed document about the addition of power cable termination conditions to the 1st CD document for CISPR 32 Ed. 3.0.

(b) CISPR Project Working Group

The working group discussed revisions to the CISPR 32 standard for Edition 3.0 and a contributed document and work documents for CISPR SC-A/I JAHG6. Based on the result of the deliberations, VCCI Council submitted comments. In addition, experts who attended CISPR conferences reported to members on what was discussed, and shared relevant information at the Symposium.

(c) Radiated EMI Working Group

In CISPR 32 Ed. 2.1, the height scan and limits for receiving antennas in measurement of radiated emissions above 1 GHz were revised. In response to this revision, we considered how to accommodate the CISPR 32 Ed. 3.0 CD changes to the limits for above 1 GHz and the measurement method. The contributed documents were also considered. To consider the measurement method for radiated emissions below 30 MHz (CISPR/A/1344/CDV), verification was performed using multiple EUTs, and the result was reported to members at the Technical Symposium.

(d) Conducted EMI Working Group

Resistance-dividing AANs that were used until CISPR 32 Ed. 2.0 had a voltage/current conversion ratio that varied significantly depending on the common-mode impedance of the EUT, affecting measurement variation and uncertainty. To remedy this, a modified resistance-dividing AAN was added in CISPR 32 Ed. 2.1. The same issue existed with shunt-type transformer-coupled AANs, and the fact that the improved transformer-type AANs have an almost constant voltage/current conversion ratio even when the common-mode impedance of the EUT changes was considered. The WG reported to members at the Technical Symposium on the results of additional verification of whether uncertainty due to the mounting of CMAD at the AE side could be improved in measurements where both CVP and CP are used.

(e) Antenna Calibration and Site Validation Working Group

The latest international standard CISPR 32 Ed. 2.1 specifies standards on radiated emissions above 30 MHz. Next term's CISPR 32 Ed. 3.0 considers evaluation methods for measurement site validity in the measurement of radiated emissions below 30 MHz. In FY 2021, evaluations of measurement site validity in light of differences among facilities such as in OATS, 10-meter SAC, and 3-meter SAC were considered. The result showed that for 5-meter and 10-meter SAC, results exceeded the tolerance specified in the standards. In FY 2022, this exceeding of the tolerance was presumed to be caused by the effects of measurement-facility size, and verification was performed using the largest anechoic chamber in Japan. In a report to members at the Technical Symposium, the WG clarified the issues and potential issues in evaluation methods.

(f) VHF-LISN Working Group

The working group reported, to VCCI members at the technical symposium, on its activities in the Joint Ad Hoc Group (JAHG6) (consisting of CISPR SC-A and SC-I) for promoting VHF-LISN standardization, including addition of devices to CISPR 16-1-4 Ed.5.0 initiated by VCCI Council and proposal for measurement using power cable termination devices for radiated disturbance measurements to CISPR 16-2-3. The working group also reported on content of papers posted to international EMC symposiums in 2022.

(4) Activities with academic associations (adoption and posting of two papers)

(Each asterisk (*) denotes the head author (main author).)

(a) 2022 IEEE EMC & SIPI, USA (August 2022)

・"Justification of Balanced VHF-LISN Termination," Technical Subcommittee: Osabe*, Kuwabara, and Muramatsu

(b) EMC Europe 2022 (September 2022)

・"Verification of the Voltage/Current Conversion Factor of Transformer type-AAN for Conducted Emissions on Unscreened Balanced Pairs," Technical Subcommittee: Miyake*, Haraguchi, Amemiya, Kuwabara, and Muramatsu

Presentation at the 2022 IEEE EMC & SIPI

Online Q&A at the EMC Europe 2022 poster session

NOTE ・CD : Committee Draft ・CDV : Committee Draft for Vote
・EUT : Equipment Under Test ・SAC : Semi-Anechoic Chamber
・AAN : Asymmetric Artificial Network
・FSOATS : Free Space Open Area Test Site
・OATS : Open Area Test Site
・VHF-LISN : Very High Frequency – Line Impedance Stabilization Network
・JAHG6 : Joint ad hoc group 6

International Relations Subcommittee

Through the promotion of cooperation and collaboration with related organizations around the world, the subcommittee contributes to the proper operation of the VCCI Council and provides highly accurate information to our members by investigating standards and operational rules in various countries and regions.

Overseas situational awareness activities

(1) Hosting of the International Forum

From March 27 to 31, 2023, the VCCI International Forum 2023 was held in on-demand format. The EU Commission, ANSI 63.4WG (USA), CQCIntime Testing Technology Co,.Ltd (China), GSO (Gulf states), and NRRA (South Korea) held on-demand speeches on the latest news from each country. The Forum was accessed about 1200 times.

(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, and Australia, and results were published on the website in July 2022.

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

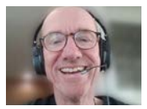
Survey information on world EMC trends was entered into a database, for provision to members. Updates were made as needed, starting from April 2016. "Survey of Trends in World EMC Regulations" was updated in April, May, June, October, December 2022, and February 2023.

(4) Overseas surveys

This fiscal year's survey was postponed due to the COVID-19 pandemic.

NOTE ・ANSI : American National Standards Institute
・CQC : China Quality Certification
・GSO : GCC Standardization Organization
・NRRA : National Radio Research Agency

Mr. Gwenole Cozigou (EU)



Mr. Andy GRIFFIN (USA)

Mr. Jesse HUANG (China)

Mr. Basem Salameh (GSO)

Mr. Myung Bong-sik (South Korea)

International Forum

Market Sampling Test Subcommittee

Checks if registration of product conformity filed to VCCI Council are conducted properly. Pass or fail is determined 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 35 were loaned and 65 were purchased), and products included personal computers, peripheral terminals, digital cameras, and LAN-related devices. Of the 100 products, registration of product conformity were filed based on the VCCI 32-1 new rules for 97 products. The test results are shown in the table below. In the first round of judgment, 93 of 100 products passed, and 7 products were "Failed-tentative". Of the 7 "Failed-tentative" products, 1 product responsible VCCI member admitted to failing after detailed investigation into the product's conformity with the rules. 5 "Failed-tentative" product subsequently passed after detailed investigation. The remaining 1 "Failed-tentative" product is being investigated in detail by the members.

As of the end of March 2023, the results show that 98 products passed, 1 product failed, and 1 product underwent an additional detailed survey by a member in FY 2023. Furthermore, 3 products that were "Failed-tentative" in FY 2021 and underwent additional detailed surveys in FY 2022 eventually resulted in passing judgments. As a result, a total of 101 products passed in FY 2022. Information on failed products such as company name, model name, and other details were published in "VCCI Dayori" No. 148 (April 2023) with consent from the members in question.

Sampling tests found no serious violations. In the course of the tests, all VCCI members were very cooperative in complying with our requests such as submitting test reports. We believe our members are observing the rules diligently as always.

Table Market sampling test results

	Tests on loaned samples				Tests on purchased samples				
Quarter	Ⅰ	Ⅱ	Ⅲ	Ⅳ	Ⅰ	Ⅱ	Ⅲ	Ⅳ	Total
Passed	6	12	10	7	20	9	13	24	101
Failed	0	1	0	0	0	0	0	0	1
Pending ("Failed-tentative" survey in progress)	0	0	0	0	0	1	0	0	1
Total	6	13	10	7	20	10	13	24	103

(2) Document Inspection

From members, we obtained 40 test reports at the time of registration of product conformity. As a result of examination, 95 issues were identified. Among these, for 3 products where test conditions were insufficient, we requested that the members themselves perform additional tests. The results of these tests are currently being re-examined. New test reports for 2 products were re-examined and confirmed to satisfy the standard. The remaining product will be reported on in FY 2023. Additionally, for 5 products with inappropriate VCCI marks or warning statements displayed on the equipment, and 11 products with inappropriate warning statements in instruction manuals, the members in question were notified and asked to take corrective measures. The corrections have been confirmed.

(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 (1,224 models from 81 members) by checking store shelves of mass retailers. 976 products (79.7%) were confirmed to have the VCCI mark, while 248 products (20.3%) could not be confirmed to have the mark in stores because the products were mockups or electronically displayed.

In regard to VCCI-member products with VCCI marks, we identified 24 products from 12 companies with VCCI marks which were not supposed to be on the products according to the filed information. Those that could not be matched with the submitted information were 9 companies that failed to file registration and 3 companies that could be confirmed that they had already filed registration. Of the 9 companies that failed to file registration, 7 companies have already completed their filings, and we are currently following up on the remaining 2 companies.

We also found a survey on the display of the VCCI mark on a non-member product. The company in question was invited to become a member of VCCI.

(4) Improvement activities

At the VCCI seminar held at the Info-Communication Promotion Month event, we talked about the status of sampling tests, document inspections and surveys on display of the VCCI mark in regard to market surveys.

The FY 2021 survey on display of the VCCI mark found cases of products on the market that displayed the VCCI mark, but whose information was difficult to match to registered data. For this reason, "Guidance for Registration of Product Conformity - How to Input the Model Number" was revised with additional concrete examples that were easier to understand.

Additionally, the new "Guidance for Rules for Voluntary Control Measures" was published in December 2022. At the Technical Symposium held in February 2023, a speech was held on these two guidance documents to disseminate this information to members.

Public Relations Subcommittee

Promotes awareness of VCCI Council and its activities, for example by working as creator and admin of the VCCI Council 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.

Public relations activities

(1) TECHNO-FRONTIER 2022 held online and offline (face-to-face exhibition held at Tokyo Big Sight from July 20 to 22, 2022; online exhibition held from July 25 to 29, 2022)

TECHNO-FRONTIER was held for a second time in a mixed online-and-offline (face-to-face) format. At the face-to-face exhibition, care was taken to prevent the spread of the COVID-19 pandemic, and the exhibition duration was shortened. At the online exhibition, relevant VCCI materials were published.

(2) CEATEC 2022 (face-to-face exhibition at Makuhari Messe held from October 18 to 21, 2022; online exhibition held from October 1 to 31)

The exhibition was held at Makuhari Messe for the first time in three years. At the online exhibition, relevant VCCI materials were published.

VCCI Council's booth

(3) Illuminated billboard advertising

To improve awareness of the VCCI mark, a new advertisement was displayed in FY 2022 at the baggage-claims area of Haneda Airport Terminal 1. Advertisements continued to be displayed in JR Osaka Station as in prior years.

Haneda Airport

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

We continued to post door-window stickers in Tobu Railway's 70000-series train cars which also run on the Tokyo Metro Hibiya line. The design of the advertisement was changed for FY 2022.

(5) 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 20 Bic Camera stores across Japan, as PR for general users and mass retailer staff.

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

VCCI Council issued "VCCI Dayori" (Japanese and English versions) No.144 to No.147, and published them on the VCCI Council website. The 2021 annual report (Japanese and English versions) was also issued in August 2022 and posted on the website.

(7) Creation of 2023 desktop calendars, and wall calendars for overseas members

We created desktop calendars for distribution at future exhibitions and for visitors. We also created wall calendars and sent them to overseas members.

(8) Website translation into multiple languages

Parts of our website were translated into multiple languages (Chinese, Taiwanese, and Korean).

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

As part of the environmental improvements and awareness-raising activities to establish the "Rules for Voluntary Control Measures" (VCCI 32-1), five education and training seminars were held according to the "Technical Requirements" (VCCI-CISPR 32). To prepare for these seminars, COVID-19 prevention measures were implemented at training institutions and textbooks were revised.

Training seminars consisting only of classroom lectures were held in online (livestream) format. Training seminars including hands-on training were conducted in in-person groups for the first time in three years, with a greater number of sessions. Regarding COVID-19 prevention measures in particular, we worked with the three testing laboratories (JQA, TELEC, KEC) that would host the hands-on training sessions to promote measures according to the government's and municipalities' COVID-19 prevention initiatives.

Textbook revisions for each training seminar were made based on the guidance documents published in FY 2021 (VCCI 32-1-G:2021, VCCI 32-1-H:2022) and results of the FY 2021 questionnaire. We also included comprehension checks at the end of each training seminar as a trial initiative. The trial was well-received, so we plan to incorporate these into regular training seminars from FY 2023. Additionally, we considered revising the content of training seminars. Three task forces were established and activities were launched for the purposes of this consideration. These activities will continue in FY 2023.

(1) Details of education and training courses held in FY 2022

(a) The basic technique of EMI measurement (1 day: Classroom lectures): Held twice a year

This was a training course for beginner measurement engineers to acquire basic knowledge. Two sessions were held in April and September 2022, with certificates of attendance given to a total of 23 attendees.

(b) The basic of electromagnetic waves, EMI measurement technique below 1 GHz (4 days: Classroom lectures + hands-on training): Held four times a year

The purpose of this training seminar was to teach techniques for measuring conducted emissions and EMI below 1 GHz, and for evaluating test sites. COVID-19 prevention measures were implemented at hands-on training venues. Two sessions were held in May and November 2022 respectively, with completion certificates given to a total of 29 attendees.

(c) EMI measurement technique above 1 GHz (2 days: Classroom lectures + hands-on training): Held four times a year

The purpose of this training seminar was to teach techniques for measuring EMI above 1 GHz and evaluating test sites. COVID-19 prevention measures were implemented at hands-on training venues. Two sessions were held in June and December 2022 respectively, with completion certificates given to a total of 19 attendees.

(d) The level up of the EMI measurement technique (1 day: Classroom lectures): Held once a year

The purpose of this training seminar was to deepen understanding of correct emission measurement for both automatic and manual measurement. One session was held in February 2023, with certificates of attendance given to 7 attendees.

(e) EMI measurement instrumentation uncertainty (MIU) (1 day: Classroom lectures): Held twice a year

The purpose of this training seminar was to teach how to perform tests based on the "Technical Requirements" (VCCI-CISPR 32), and calculate measurement instrumentation uncertainty (MIU), which must be included in test reports. One session was held in June 2022 and February 2023 respectively, with certificates of attendance given to a total of 20 attendees.

NOTE ・JQA: Japan Quality Assurance Organization
・TELEC: Telecom Engineering Center
・KEC: Kansai Electronic Industry Development Center
・MIU: Measurement Instrumentation Uncertainty

Hands-on training

Classroom lecture at the hands-on training venue

Registration Committee for Measurement Facilities

Inspects registered measurement facilities against the VCCI requirements, and determines the validity of their registration 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 in FY 2022 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 2022

・Number of facilities registered via inspections: 414 (of which 317 were those renewed)

Category of Measurement Facility	Number of Registered Facilities	(FY 2021)
Radiated emissions (below 1 GHz)	121	(101)
Mains port conducted emissions	107	(108)
Telecommunication (wired network) port conducted emissions	83	(102)
Radiated emissions (above 1GHz)	103	(126)

・Number of registered laboratories accredited by accreditation bodies: 61

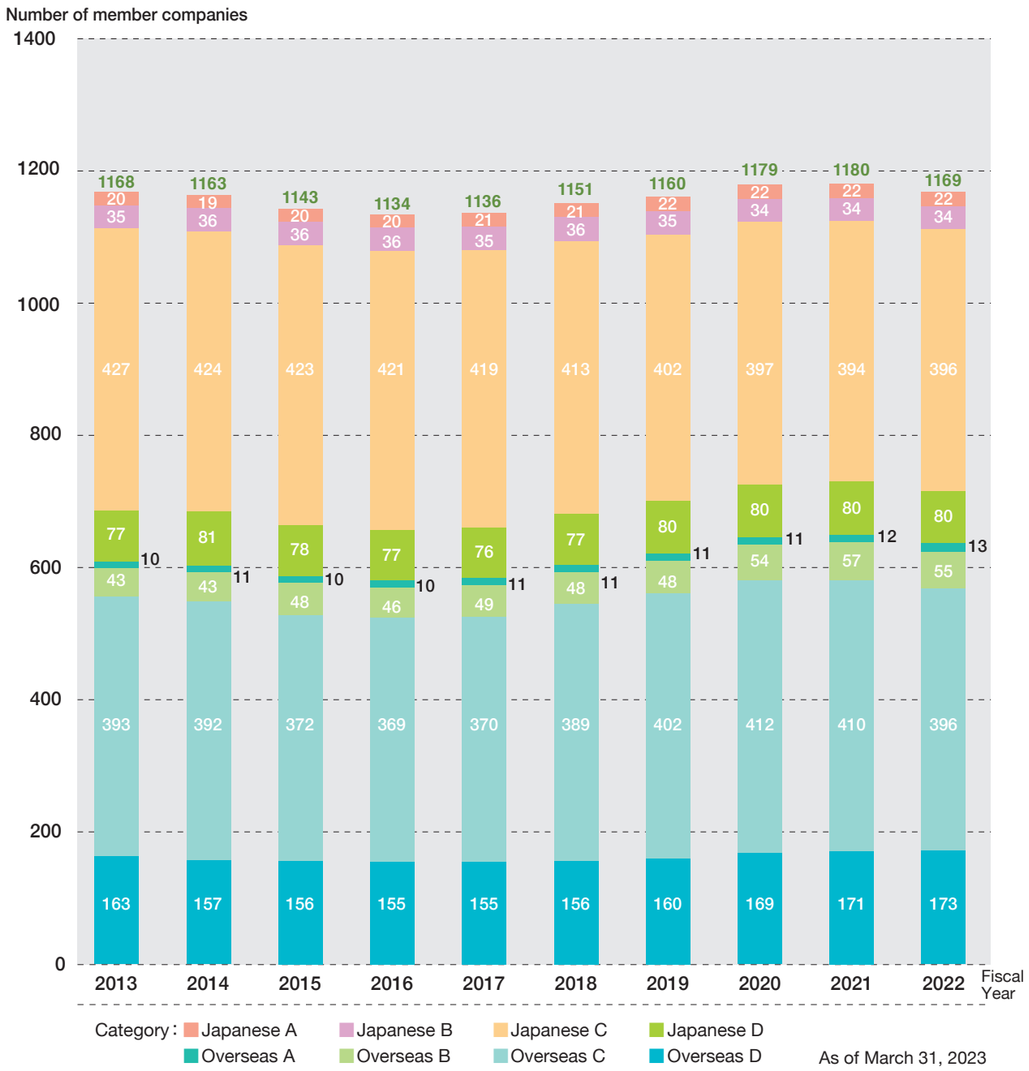
(2) Total number of registered facilities (as of March 31, 2023)

・Total number of facilities registered via inspections: 1,281

Category of Measurement Facility	Number of Registered Facilities	(FY 2021)
Radiated emissions (below 1 GHz)	350	(337)
Mains port conducted emissions	326	(308)
Telecommunication (wired network) port conducted emissions	281	(269)
Radiated emissions (above 1GHz)	324	(304)

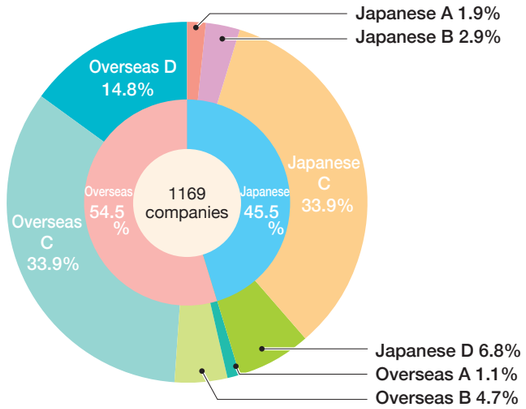
・Number of registered laboratories accredited by accreditation bodies: 121

» Trends in Membership



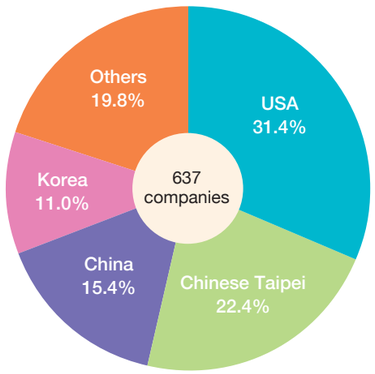
Category	Applicable to -
A members (regular members)	Chairmen and Vice Chairmen of the three groups constituting VCCI (JEITA, JBMIA, CIAJ) and equivalent companies (companies that file 70 or more conformity reports a year)
B members (regular members)	Companies that file 10 or more conformity reports 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

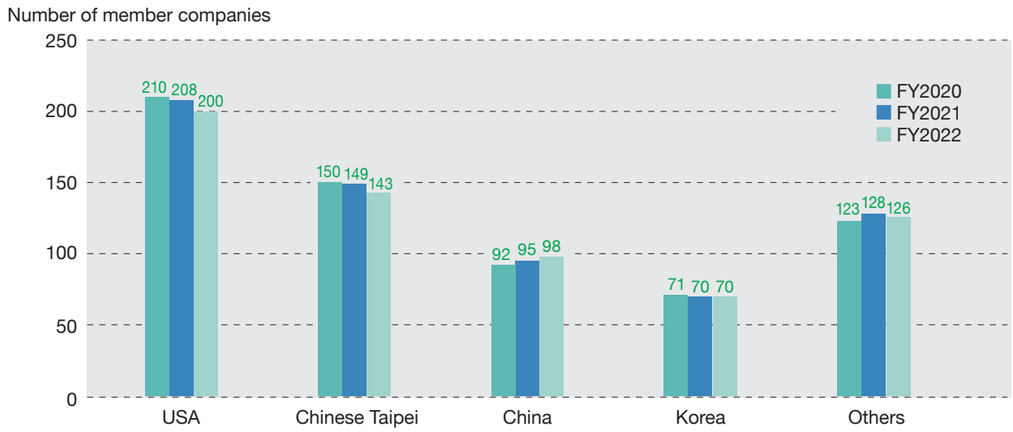


Member category	Number of Members	%
Japanese A	22	1.9%
Japanese B	34	2.9%
Japanese C	396	33.9%
Japanese D	80	6.8%
Overseas A	13	1.1%
Overseas B	55	4.7%
Overseas C	396	33.9%
Overseas D	173	14.8%
Total	1169	100%

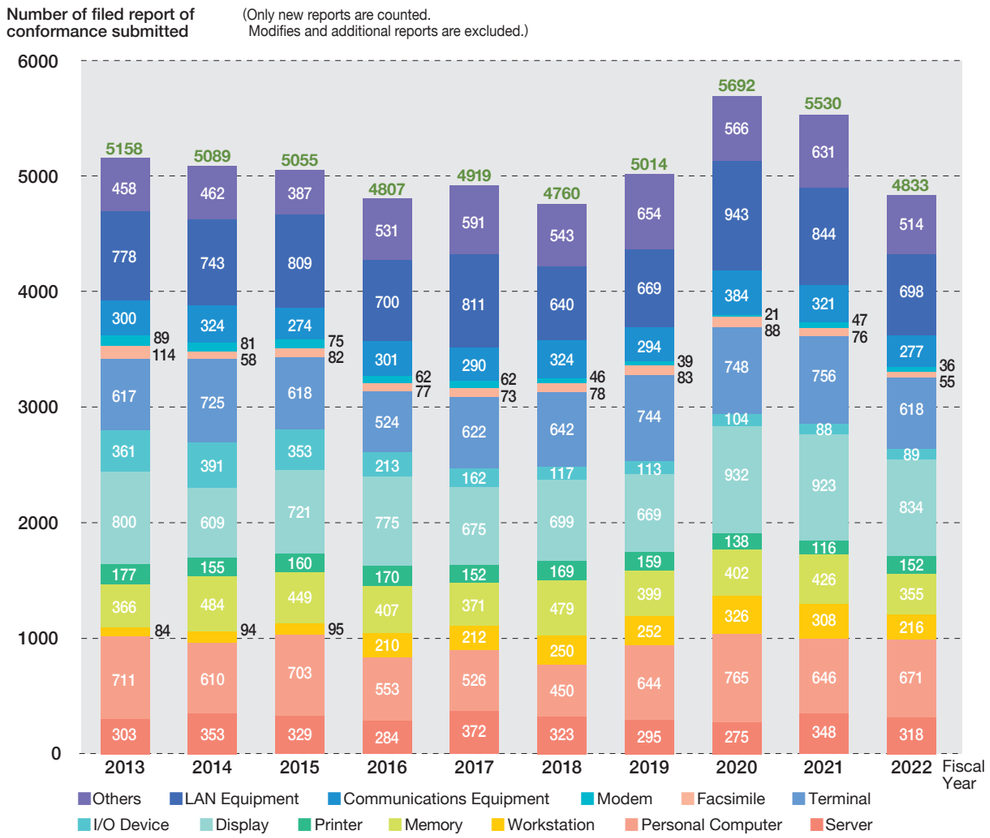
» Composition of Overseas Members



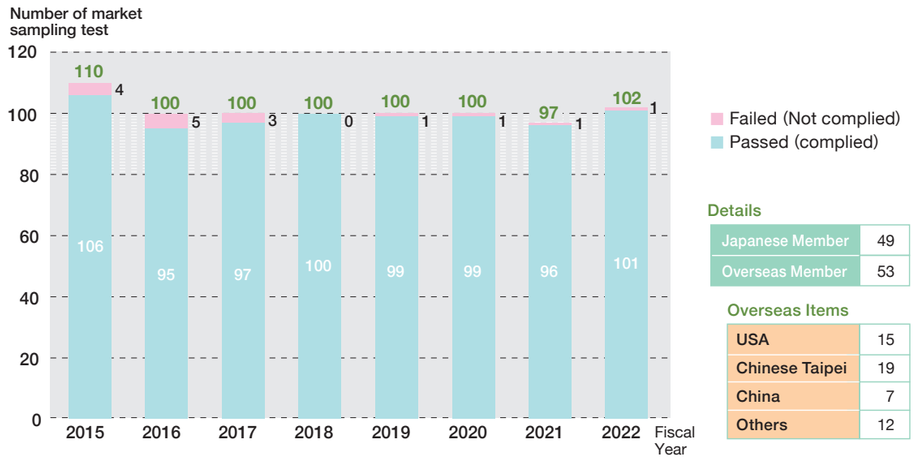
Country or Region Name	Number of Members	%
USA	200	31.4%
Chinese Taipei	143	22.4%
China	98	15.4%
Korea	70	11.0%
Others (26 countries)	126	19.8%
Total	637	100%



» Trends in Number of Filed Conformity Reports, by Product



» Trends in Market Sampling Test Results



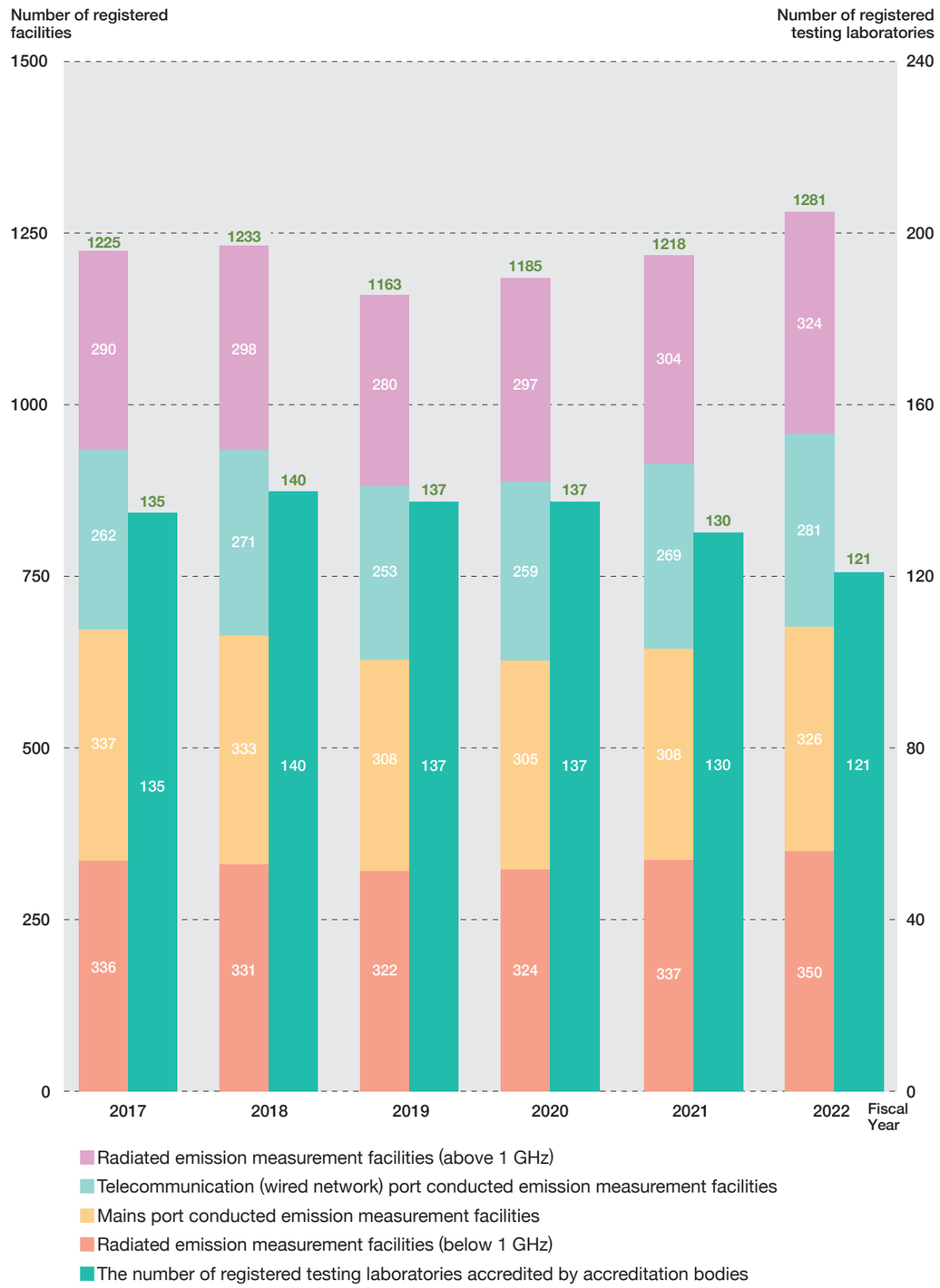
Details

Japanese Member	49
Overseas Member	53

Overseas Items

USA	15
Chinese Taipei	19
China	7
Others	12

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



» VCCI Council Member List

Regular Members

<Japanese>

No. Company Name

[A]
2323 A.T. Works, Inc.
2478 A2 Corporation
1355 ABIT CORPORATION
3873 Acco Brands Japan K.K.
1882 ADVA Optical Netwoking Corp.
35 ADVANTEST CORPORATION
3950 Aggregate., co. ltd
4169 AhnLab, Inc.
47 AIPHONE CO., LTD.
222 AISIN CORPORTION
2335 ALAXALA Networks Corporation
459 ALEXON CO., LTD.
1317 ALF INC.
231 Allied Telesis K.K.
3357 ALNETZ CO., LTD.
76 ALPS ALPINE CO., LTD.
43 ANRITSU CORPORATION
3682 AOPEN JAPAN INC.
147 APRESIA Systems, Ltd.
3047 Array Corporation
4051 Asuka Solution Company Limited
2655 Atmark Techno, Inc.
3532 AUI Co., Ltd.
1478 Avaya Japan Ltd.
1147 Axis Communications K.K.

[B]
2321 Barracuda Networks Japan K.K.
3477 Benesse Corporation
736 BILLCON CORPORATION
2993 BIOS Corporation
130 BIPROGY Inc.
2957 Bktel Pacific Rim (Japan) Inc.
2683 BMT Co., LTD.
913 Brains Corporation
21 Brother Industries, Ltd.
933 BUFFALO INC.

[C]
4293 C.T.MACHINERY CO., LTD.
3910 Canare Electric Co., Ltd.
441 CANON ELECTRONICS INC.
1386 CANON FINETECH NISCA INC.
49 Canon Inc.
883 Canon Marketing Japan Inc.
3129 Cansystem Co., Ltd.
54 CASIO COMPUTER CO., LTD.
3810 CASO Inc.
3678 Cellstar Industries Co., Ltd.
2395 Central Engineering Corporation
3555 CENTURY SYSTEMS Co., Ltd.
64 CHUO ELECTRONICS CO., LTD.
220 CITIZEN SYSTEMS JAPAN CO., LTD.
71 Comota Co., Ltd.
1206 CONTEC CO., LTD.
3232 CPI Technologies, Inc.
3881 Crafty Co., Ltd.

[D]
178 D&M Holdings Inc.
2803 Dai Nippon Printing Co., Ltd.
3800 DAIKIN INDUSTRIES, LTD.
2839 Data Controls Inc.
1978 Datacard Japan Ltd.
2496 DDS, Inc.
1758 DENSO WAVE INCORPORATED
3879 DGSHAPE Corporation
3346 DMC Co., Ltd.
4167 DREAM MAKER CO., LTD.
419 Duplo Seiko Corporation
3848 DUX Inc.
3476 DX ANTENNA CO., LTD.
1026 DYDEN CORPORATION
3741 Dynabook Inc.

[E]
3378 e-Broad Communications Inc.
4181 Eaton Electric Japan KK
3922 Ecomott Inc.
137 EIZO Corporation
3254 ELECOM CO., LTD.
3052 ELSA Japan Inc.
3593 Empathy Co., Ltd.
1525 EPSON DIRECT CORPORATION
1091 EXCEL CO., LTD.

[F]
2680 Fanatic Computers Inc.
4212 FG-Lab Inc.
3576 Fibergate Inc.
3769 FOVE Co., Ltd.
4119 FS JAPAN CO., LTD.
51 Fuji Electric Co., Ltd.
2331 Fuji Electric Co., Ltd.
67 FUJIFILM Business Innovation Corp.
118 FUJIFILM Corporation
3671 FUJIFILM Digital Solutions Co., Ltd.
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
1500 FUJITSU FRONTECH LIMITED
20 FUJITSU ISOTEC LIMITED
65 Fujitsu Limited
1650 FUJITSU NETWORK SOLUTIONS
3696 FUJITSU SOCIAL LIFE SYSTEM LIMITED
34 FUNAI ELECTRONIC CO., LTD.
1561 FURUNO SYSTEMS Co., Ltd.
3355 FUTURE CONNECT, LTD.
1138 FXC Inc.

[G]
3802 G-Printec Inc.
4070 GES Japan Co., Ltd.
3765 GLBB JAPAN
4165 GLEAN CORPORATION
707 GLORY AZ System Co., LTD.
95 GLORY LTD.
4116 GLSolutions Inc.
3686 Godspeed. Co., Ltd
88 GRAPHTEC CORPORATION
1728 GREEN HOUSE CO., LTD.
3065 Gridmark Inc.
4209 GS Yuasa Infrastructure Systems Co., Ltd.
85 GS Yuasa International Ltd.

[H]
2837 Hagiwara Solutions co., Ltd.
2242 HAGIWARA TECHNO SOLUTIONS CO., LTD
3451 HAKARU PLUS CORPORATION
2740 HARVEST CO., LTD.
6 Hewlett-Packard Japan, G.K.
198 HIRAKAWA HEWTECH CORP.
2347 Hitachi Channel Solutions, Corp.
2549 Hitachi IE System Co., Ltd.
4005 Hitachi Industrial Product, Ltd.
3273 Hitachi Industry & Control Solutions, Ltd.
1083 Hitachi Information & Communication Engineering, Ltd.
1596 Hitachi KE Systems, Ltd.
52 Hitachi Kokusai Electric Inc.
371 Hitachi Solutions Technology, Ltd.
3255 Hitachi Systems Field Services, LTD
2692 Hitachi Terminal Mechatronics, Corp
1850 Hitachi-LG Data Storage, Inc.
2 Hitachi, Ltd.
3079 HOCHIKI CORPORATION
606 Horizon Inc.
1518 Hosiden Corporation
4219 HOUSEI Inc.
3706 Housing Exterior Division LIXIL Co., Ltd.
4024 HOYA CORPORATION MD DIVISION
3638 HP Japan Inc.
2629 HYTEC INTER Co., Ltd.

[I]
1326 I-O DATA DEVICE, INC.
4190 I-PEX Inc.
4022 i-PRO Co., Ltd.
3269 iB Solution Co., Ltd.
4267 IBIS Inc.
23 IBM Japan, Ltd.
1329 ICOM Inc.
3438 iD corporation
3495 IDEC AUTO-ID SOLUTIONS CO., LTD.
3494 IDEC CORPORATION
3073 IDK Corporation
151 Ikegami Tsushinki Co., Ltd.
4019 Illumina K.K.
1191 IMAGENICS. CO., LTD.
4248 iMercury
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
826 IRIICHI TECHNOLOGIES INC.
4254 IRIS OHYAMA Inc.
946 ISA Co., Ltd.
3942 ITC Co., Ltd.
2978 ITUS Japan Co., Ltd
14 IWATSU ELECTRIC CO., LTD.

[J]
4137 J-Mobile Corporation
375 Janome Sewing Machine Co., Ltd.
262 Japan Aviation Electronics Industry, Limited
436 JAPAN CASH MACHINE CO., LTD.
4270 Japan Display Inc.
874 Japan Electronics Ind., Inc.
96 Japan Radio Co., Ltd.
1836 Japan Telegartner Limited
460 JB Advanced Technology Corporation
3980 JOLED Inc.
30 JVC KENWOOD Corporation
3751 JVC KENWOOD Public & Industrial Systems Corporation

[K]
2381 KABUTOYAMA WORKS CO., LTD
202 KAGA ELECTRONICS CO., LTD.
3849 KANAI ELECTRONIC APPLIANCE Co., Ltd.
1488 Kanematsu Electronics Ltd.
1609 Kawamura Electric Inc.
841 KDDI Corporation
1339 KEYENCE CORPORATION
1651 Keysight Technologies Japan K.K.
3256 KING TSUSHIN KOGYO CO.,LTD
865 KINGJIM CO., LTD.
3804 Kioxia 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, INC.
172 KONICA MINOLTA, INC.
2506 KOSHIN DENKI KOGYO CO., LTD.
3762 Kpnetworks Ltd.
4288 KS Corporation
2265 KUBOTEK CORPORATION
2537 Kumahira Co., Ltd.
1390 KUZUMI Electronics, Inc.
209 KYOCERA Document Solutions Inc.
2394 KYOKKO SEIKO CO., LTD.
4263 Kyokuto Trading Inc.
2138 KYOWA TECHNOLOGIES CO., LTD
4232 KYUSHU TEN LIMITED

[L]
136 LAUREL BANK MACHINES CO., LTD.
2573 Laurel Intelligent Systems Co., Ltd.
3611 Lenovo Enterprise Solutions LLC
2420 Lenovo Japan LLC
3004 LET's corporation
19 LIMNO Co., Ltd.
3797 LINE Corporation
4077 LIVING ROBOT INC.
3266 Logitec INA Solutions Co., Ltd.

[M]
3594 MASPRO DENKOH CORP.
3983 Matsumura Engineering Co., Ltd.
1118 MAX CO., LTD.
210 Maxell, Ltd.
2955 MC SECURITY Co., Ltd.
116 MEIDENSHA CORPORATION
3296 Meiko Embedded Products, Ltd.
2360 Miharu Communications Inc.
311 MIMAKI ENGINEERING CO., LTD.
344 MintWave Co., Ltd.
4129 MIS Corporation
1932 MITACHI CO., LTD.
4276 Mitsubishi Electric Building Solutions Corporation
8 Mitsubishi Electric Corpration
594 MITSUBISHI Electric Engineering Co., Ltd.
1646 Mitsubishi Electric Information Network Corporation
2044 MITSUBISHI ELECTRIC SYSTEM & SERVICE CO., LTD.
3050 Mitsubishi Paper Mills Limited
214 Mitsui E&S Systems Research Inc.
3789 Mitsui Knowledge Industry Co., Ltd.
584 MITSUMI ELECTRIC CO., LTD.
282 MIYAKAWA ELECTRIC WORKS LTD.
4017 MOBILE COMMERCE SOLUTION Inc.
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.
146 NAKAYO, INC.
3546 NANABOSHI ELECTRIC MFG. CO., LTD.
126 NCR Japan, Ltd.
2196 NCR Services Japan, Ltd
3870 NEC Communication Systems, Ltd.
1 NEC Corporation
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.
3886 Netgen, Inc.
498 NEWTECH CO., LTD.
4133 Nextorage Corporation
450 NHK SPRING CO., LTD.
3836 NICHIEI INTEC CO., LTD
1566 Nichigaku Co., Ltd.
356 NIKON CORPORATION
1671 NIKON VISION CO., LTD.
1363 NIKON-TRIMBLE CO., LTD.
119 Nintendo Co., Ltd.
621 NIPPON CONLUX CO., LTD.
844 Nippon Printer Eng. Inc.
279 NIPPON TELEGRAPH AND TELEPHONE CORPORATION(NTT)
1303 NIPPON TELEGRAPH AND TELEPHONE EAST CORPORATION
1278 NIPPON TELEGRAPH AND TELEPHONE WEST CORPORATION
4271 NITTO KOGYO CORPORATION
3895 NMR Corporation
3511 Nokia Solutions and Networks Japan GG
3506 NORITAKE ITRON CORPORATION
394 NTT Advanced Technology Corporation
1275 NTT Communications Corporation
329 NTT DATA CORPORATION
457 NTT Electronics Corporation
4210 NTT PC Communications Incorporated
4245 NTT Sonority Inc.
4107 NTT TechnoCross Corporation
3643 NTTDATA INTELLILINK CORPORATION

[O]
443 OA LABORATORY CO., LTD.
3237 ODS Corporation
4206 OHASHI SANGYO & CO., LTD.
197 Oi Electric Co., Ltd.
9 Oki Electric Industry Co., Ltd.
4131 OM Digital Solutions Corporation
56 OMRON Corporation
2857 OMRON HEALTHCARE CO., LTD.
3939 OMRON SOCIAL SOLUTIONS CO., LTD.
1812 OPTOELECTRONICS Co., Ltd.
223 Oracle Information Systems (Japan) G.K.

[P]
4032 P3, Inc.
4241 Panasonic Automotive Systems Co., Ltd.
17 Panasonic Connect Co., Ltd.
4242 Panasonic Corporation
1780 Panasonic Electric Works Networks Co., Ltd.
4240 Panasonic Entertainment & Communication Co., Ltd.
15 Panasonic Holdings Corporation
4239 Panasonic Industry Co., Ltd.
144 PFU Limited
138 PHC Corporation
3104 PicoCELA Inc.
3977 PiNON Corp.
11 PIONEER ELECTRONIC CORPORATION
1448 Pixela Corporation
1364 PLANEX COMMUNICATIONS, Inc.
3628 Plat' Home Co., Ltd.
545 PLUS Corporation
2661 Primagest, Inc.
4172 PRIMETECH ENGINEERING CORP.
2041 Princeton Ltd.
3840 Project Ryukyu Co., Ltd

[Q]
4029 QD Laser, Inc.
3471 QUADRAC Holdings Co., Ltd.
2651 Qualica Inc.
2203 QUIXUN PRODUCTS CO., LTD.

[R]
763 RATOC Systems, Inc.
4213 Rhino Products Co .,Ltd.
4231 Richemont Japan Ltd.
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.
3716 Rubrik Japan KK
3573 RYOWA ELECTRONICS CO., LTD.

[S]
3995 SAKAKI CORPORATION
351 SANEI ELECTRIC INC.
3909 Sangikyo Corporation
83 SANKEN ELECTRIC CO., LTD.

2881 SANWA SUPPLY INC.
920 SANYO DENKI CO., LTD.
4088 SANYO Electric Co., Ltd.
355 SATO CORPORATION
3799 SATSUKI CO., LTD.
127 SAXA, Inc.
4110 SCALA K.K.
451 SCREEN Graphic Solutions Co., Ltd.
55 SEIKO EPSON CORPORATION
50 Seiko Instruments Inc.
3484 SEIKO Solutions Inc.
3602 SEITEC CO., LTD.
777 SEIWA ELECTRIC MFG CO., LTD.
514 SEKONIC CORPORATION
4253 SGST CO., LTD
13 Sharp Corporation
1394 Sharp NEC Display Solutions, Ltd.
3167 Shin Shin Co., Ltd.
3710 Shin Shin Tech. Co. Ltd.
193 Shindengen Electric Manufacturing Co., Ltd.
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.
3854 SINKA Corporation
2093 Sknet Corporation Ltd.
3502 Smart Solution Technology, Inc.
795 SMK Corporation
3872 SNK CORPORATION
1489 SocioFuture, Ltd.
3247 SoftBank Corp.
3880 SolarEdge Technologies Japan Co., Ltd.
3620 Sony Corporation
93 Sony Group Corporation
856 Sony Interactive Entertainment Inc.
5 SORD CORPORATION
269 SORITON SYSTEMS K.K.
521 SOSHIN ELECTRIC CO., LTD.
4015 Square K.K.
180 STAR MICRONICS CO., LTD.
2575 StoreNet Corp.
97 Sumitomo Electric Industries, Ltd.
165 Sumitomo Electric System Solutions Co., Ltd.
1197 Sumitomo Wiring Systems, Ltd.
1001 SUN CORPORATION
4222 SUN ELECTRONICS CO., LTD.
3764 SUN-WA TECHNOS CORPORATION
3785 SYNCLAYER INC.
637 SystemGear Co., Ltd.
3570 Systemk Corporation

[T]
163 TAIYO YUDEN CO., LTD.
283 TAKACOM CORPORATION
326 TAKAMISAWA CYBERNETICS CO., LTD.
2847 TAKASAGO, ltd
1973 TAMURA CORPORATION
206 TATSUNO CORPORATION
4294 TCL JAPAN ELECTRONICS Co., Ltd
39 TDK CORPORATION
3137 TDK Corporation
75 TEAC CORPORATION
3727 Technicolor Japan K.K.
3717 TECHNO BROAD, INC.
2231 Technology Link Corporation
4250 TEKWIND Co., Ltd.
174 TERAOKA SEIKO CO., LTD.
830 THE FURUKAWA ELECTRIC CO., LTD.
4063 TJ Japan Co., Ltd.
3516 TKR CORPORATION
3952 Tobila Systems Inc.
179 TOEI ELECTRONICS CO., LTD.
1399 TOKYO ELECTRON DEVICE NAGASAKI LIMITED
2490 TOMY Company, Ltd.
2867 TOPPAN FORMS CO., LTD.
2047 Toppan Printing Co., Ltd.
1669 Topre Corporation
244 TOSHIBA DIGITAL SOLUTIONS CORPORATION
3825 Toshiba Electronic Device & Storage Corporation
3459 Toshiba Global Commerce Solutions Holdings Corporation
37 Toshiba Infrastructure Systems & Solutions Corporation
1939 TOSHIBA LIFESTYLE PRODUCTS & SERVICES CORPORATION
3403 Toshiba Lighting & Technology Corporation
48 TOSHIBA TEC CORPORATION
797 Touch Panel Systems K.K.
3018 Transaction Media Networks Inc.
2269 Transtron Inc.
2309 Trend Micro Incorporated

[U]
907 UCHIDA YOKO CO., LTD.
4076 UCOS Co., Ltd.
582 UMEZAWA TECHNICAL LABORATORY CO., LTD.
2045 UNIADEX, Ltd.
3144 Unitech Japan co., Ltd.
2087 UNITEX Corporation
3633 UPS Solutions Co., Ltd.

[V]
3426 V-net AAEON Corporation Limited
3578 VAIO Corporation
3284 VALTEC CO., LTD.
2109 VarioSecure Inc.

[W]
3976 WA HOLDINGS Co., Ltd.
177 Wacom Co., Ltd.
3889 WATEX CO., LTD.
4089 Weber-Stephen Products Japan GK.

[X]
4023 Xacti Corporation

[Y]
22 YAMAHA CORPORATION
3287 YAMASHITA SYSTEMS Corp.
2931 YDK CO., LTD.
2366 YEC, CO., LTD.
12 YUTAKA ELECTRONIC MFG. CO., LTD.

[Z]
3394 ZOOM CORPORATION

<Overseas>

No.	Company	(Country or Region Name)
	[A]	
2353	A-DATA Technology Co., Ltd.	(CHINESE TAIPEI)
4141	A.W.Chesteron Company	(USA)
2548	A10 Networks, Inc.	(USA)
3955	AAEON Technology Inc.	(CHINESE TAIPEI)
3603	Aava Mobile Oy	(FINLAND)
4040	AB Circle Limited	(HONG KONG)
1170	AcBel Polytech Inc.	(CHINESE TAIPEI)
3314	Accedian Networks Inc.	(CANADA)
3945	Access Limited	(U.K.)
379	ACCTON Technology Corp.	(CHINESE TAIPEI)
215	Acer Incorporated	(CHINESE TAIPEI)
4226	Acroname Inc.	(USA)
4060	Actions Microelectronics Co., Ltd.	(CHINA)
2952	Advanced Card Systems Limited	(HONG KONG)
1320	ADVANTECH CO., LTD.	(CHINESE TAIPEI)
4093	AHA INC CO., LTD.	(KOREA)
4204	Airspan Networks Inc.	(USA)
3419	AISolution	(KOREA)
3201	AJA Video Systems Inc.	(USA)
3631	ALDEBARAN	(FRANCE)
3949	ALE International	(FRANCE)
2383	Alpha Networks Inc.	(CHINESE TAIPEI)
3504	Alvaria, Inc.	(USA)
3972	Amazon Web Services, Inc.	(USA)
1565	AMD	(CANADA)
4042	Amino Communications Ltd.	(U.K.)
2988	Amphenol Corporation - Amphenol AssembleTech Division	(USA)
683	Amtran Technology Co., Ltd.	(CHINESE TAIPEI)
3674	Apacer Technology Inc.	(CHINESE TAIPEI)
400	APC by Schneider Electric	(USA)
4039	Appcessori Corporation	(USA)
2656	Applanix Corporation	(CANADA)
482	Apple, Incorporated	(USA)
3858	Applied Medical Resources Corporation	(USA)
2431	Apricorn, Inc.	(USA)
3027	Arista Networks, Inc.	(USA)
3946	Arlo Technologies, Inc.	(USA)
3530	ARRIS	(USA)
2084	ARRIS International PLC	(USA)
4251	Asian Power Devices Inc.	(CHINA)
1285	ASKEY COMPUTER CORP.	(CHINESE TAIPEI)
4211	ASROCK Incorporation	(CHINESE TAIPEI)
2208	Astec International Limited	(HONG KONG)
3911	Astro HQ LLC	(USA)
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)
4136	Augury Systems Ltd.	(ISRAEL)
4159	AUO Corporation	(CHINESE TAIPEI)
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)
574	Avision Inc.	(CHINESE TAIPEI)
	[B]	
3615	b-plus technologies GmbH	(GERMANY)
3453	Bad Elf, LLC	(USA)
2085	BARCO, INC.	(USA)
4176	Baytec Limited	(HONG KONG)
4274	Beijing Orion Star Technology Co., Ltd.	(CHINA)
676	BenQ Corporation.	(CHINESE TAIPEI)
2964	BizLink Technology Inc.	(USA)
4115	Bloomberg LP	(USA)
3076	Bosch Security Systems	(THE NETHERLANDS)
4161	Bosch Sensortec GmbH	(GERMANY)
1809	Broadcom Corporation	(USA)
2766	Brocade Communications Systems LLC	(USA)
	[C]	
3085	CA Inc.	(USA)
3755	Cadence Design Systems, Inc.	(USA)
3985	CalDigit Inc.	(USA)
3993	Cambricon Technologies Corporation Limited	(CHINA)
2135	佳能電産香港有限公司	(HONG KONG)
3630	Canon Korea Inc.	(KOREA)
3261	Canon Production Printing Netherlands B.V.	(THE NETHERLANDS)
3957	Carl Zeiss AG	(GERMANY)
3449	Castles Technology Co., Ltd.	(CHINESE TAIPEI)
3035	CCIC Southern Testing 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)
4280	Cherry Americas, LLC	(USA)
636	Cherry Europe GmbH	(GERMANY)
882	CHICONY ELECTRONICS CO., LTD.	(CHINESE TAIPEI)
2846	Ciena	(USA)
2163	Cisco Systems International BV	(THE NETHERLANDS)
493	Cisco Systems, Inc.	(USA)
3190	Citrix Systems, Inc.	(USA)
3816	Clavister AB	(SWEDEN)
702	CLEVO CO.	(CHINESE TAIPEI)
989	Clientron Corp.	(CHINESE TAIPEI)
4287	COCOAENT Co., LTD.	(KOREA)
3770	Cohesity, Inc.	(USA)
297	Compal Electronics, Inc.	(CHINESE TAIPEI)
2715	CONBUZZ Co., Ltd.	(KOREA)
2240	Contela, Inc.	(KOREA)
3908	Corero Network Security Inc.	(USA)
779	Coretronic Corporation	(CHINESE TAIPEI)
4174	Cornelis Networks, Inc.	(USA)
3966	Corsair Memory Inc.	(CHINESE TAIPEI)
3780	Cradlepoint, Inc.	(USA)
3551	Crestron Electronics, Inc.	(USA)
4054	CRU Inc.	(USA)
4122	CS Corporation	(KOREA)
3978	CTL	(USA)
2499	Cyber Power Systems, Inc.	(CHINESE TAIPEI)
3809	Cyviz AS	(NORWAY)
	[D]	
448	D-Link Corporation	(CHINESE TAIPEI)
2486	D&T Inc.	(KOREA)
3693	Darfon Electronics Corp.	(CHINESE TAIPEI)
2033	DASAN Network Solutions, Inc.	(KOREA)
3251	DataDirect Networks, Inc.	(USA)
131	Datalogic Srl	(ITALY)
4109	Datecs Ltd.	(BULGARIA)
527	Dell Inc.	(USA)
568	DELTA ELECTRONICS, Inc.	(CHINESE TAIPEI)
3045	Delta Electronics, Inc.	(CHINESE TAIPEI)
4069	DERA Co., Ltd.	(CHINA)
3989	DIGIEVER Corporation	(CHINESE TAIPEI)
4283	DIGILIFE TECHNOLOGIES CO., LTD.	(CHINESE TAIPEI)
3777	Digital Check Corporation	(USA)
1461	DIVA Laboratories, Ltd.	(CHINESE TAIPEI)
3868	DupliCALL Co., Ltd.	(CHINA)
339	DZS Inc.	(USA)
	[E]	
3791	EDGECORE NETWORKS CORPORATION	(CHINESE TAIPEI)
1482	Edimax Technology Co., Ltd.	(CHINESE TAIPEI)
537	Electronics for Imaging, Inc.	(USA)
877	Elitegroup Computer Systems Co., Ltd.	(CHINESE TAIPEI)
4000	Endace Limited	(NEW ZEALAND)
3457	Ergotron, Inc.	(USA)
3823	ESSENCORE LIMITED	(HONG KONG)
1080	EtherWAN Systems Inc.	(CHINESE TAIPEI)
3608	Eve Systems GmbH	(GERMANY)
2732	EVOLIS	(FRANCE)
2889	ExaGrid Systems, Inc.	(USA)
1406	Extreme Networks, Inc.	(USA)
3524	Extron Electronics	(USA)
3936	eze System, Inc.	(USA)
	[F]	
1440	F5 Inc.	(USA)
4290	FADU INC	(KOREA)
1926	FIMI s.r.l.	(ITALY)
3661	FireEye, Inc.	(USA)
4038	Fitogether, Inc.	(KOREA)
3589	FLIR COMMERCIAL SYSTEMS, INC.	(USA)
4247	Formerica OptoElectronics Inc.	(CHINESE TAIPEI)
1977	Fortinet, Inc.	(USA)
4175	Framework Computer Inc.	(USA)
3739	FUJIFILM Visual Sonics, Inc.	(CANADA)
1468	Fujitsu Technology Solutions GmbH	(GERMANY)
4188	Fun Technology Innovation Inc.	(CHINESE TAIPEI)
	[G]	
4234	G-Youth TECHNOLOGIES (Shenzhen) CO. LTD	(CHINA)
4237	G.Tech Technology Ltd.	(CHINA)
3352	Gechic Corporation	(CHINESE TAIPEI)
3954	Genew Technologies Co., Ltd.	(CHINA)
4295	Giga Computing Technology Co., Ltd.	(CHINESE TAIPEI)
1559	GIGA-BYTE TECHNOLOGY CO., LTD.	(CHINESE TAIPEI)
3890	Gigamon Inc.	(USA)
3720	GLAAM Co., Ltd.	(KOREA)
3443	Global Scanning UK Ltd.	(U.K.)
2630	GlobTek, Inc.	(USA)
2419	GOOD WAY TECHNOLOGY CO., LTD.	(CHINESE TAIPEI)
3078	Google LLC	(USA)
3824	Goomedi Laboratories, Ltd.	(CHINESE TAIPEI)
3905	Gosuncn Technology Group Co., Ltd.	(CHINA)
3920	Guangdong Chuntex Elite Electronic Technology Co., Ltd	(CHINA)
	[H]	
4285	H2VR HOLDCO INC	(USA)
2791	Handreamnet, CO., LTD	(KOREA)
4208	Hefei Huntkey Display Technology Co., Ltd.	(CHINA)
3759	HFR, Inc.	(KOREA)
3059	HID Global Corporation	(USA)
4126	Hisense Commercial Display Co., Ltd.	(CHINA)
4127	Hisense Visual Technology Co., Ltd.	(CHINA)
4195	HKC OVERSEAS LIMITED	(CHINA)
1724	Hon Hai Precision Industry Co., Ltd.	(CHINESE TAIPEI)
3235	Honeywell Safety and Productivity Solutions (SPS)	(USA)
3837	Hong Kong Colorful Yugong Technology Limited	(CHINA)
578	HP Inc. UK Limited	(U.K.)
4001	Huaqin Telecom Technology Co., Ltd.	(CHINA)
4008	Huawei Device Co., Ltd.	(CHINA)
4220	Huawei Digital Power Technologies Co., Ltd.	(CHINA)
1968	Huawei Technologies Co., Ltd.	(CHINA)
3625	HUMAX Co., Ltd.	(KOREA)
4125	HUMAX NETWORKS	(KOREA)
3595	Hyve Solutions	(USA)
	[I]	
560	Identiv, Inc.	(USA)
3670	IGEL Technology GmbH	(GERMANY)
1272	IIYAMA CORPORTION	(THE NETHERLANDS)
2368	Imaging Business Machines, LLC	(USA)
2664	Infinera Corporation	(USA)
2472	INFOBLOX	(USA)
3421	Ingenico Inc.	(USA)
3831	Ingrasys Technology Inc.	(CHINESE TAIPEI)
4149	INNORS Co., Ltd.	(KOREA)
4068	Innowireless Co., Ltd.	(KOREA)
3519	Interface Masters Technologies, Inc.	(USA)
378	Inventec Corporation	(CHINESE TAIPEI)
4049	InVue Security Products, Inc.	(USA)
4080	iodyne	(USA)
2947	IPEVO Corp	(CHINESE TAIPEI)
4259	IPVideo Corporation	(USA)
3658	Ivanti	(USA)
	[J]	
4244	JAASOFT Co., Ltd.	(KOREA)
4047	Jabil Inc.	(USA)
4178	JMA Wireless Limited	(IRELAND)
1164	Juniper Networks, Inc.	(USA)
	[K]	
4193	K-NETZ Co., Ltd.	(KOREA)
3754	Kaga(H.K.) Electronics Limited	(HONG KONG)
4186	Kaijet Technology International Corporation	(CHINESE TAIPEI)
4097	Kaonbroadband CO., LTD.	(KOREA)
3683	Kaonmedia Co., LTD.	(KOREA)
3339	Katron Technologies Inc.	(CHINESE TAIPEI)

3325 Kent Displays, Inc. (USA)
2845 Kingston Digital, Inc. (USA)
3788 KISAN TELECOM Co., LTD. (KOREA)
3574 Konftel AB (SWEDEN)
4056 Kontron Canada Inc. (CANADA)

[L]
3924 Lanner Electronics Inc. (CHINESE TAIPEI)
2152 Lantronix, Inc. (USA)
3454 LCFC (Hefei) Electronics Technology Co., Ltd. (CHINA)
740 LEADTEK RESEARCH INC. (CHINESE TAIPEI)
4266 LEDGER SAS (FRANCE)
3500 Legrand AV (C2G A Brand of Legrand) (USA)
1342 LEICA CAMERA AG (GERMANY)
4205 LEWITT GmbH (AUSTRIA)
674 Lexmark International, Inc. (USA)
4105 LG Display (KOREA)
256 LG Electronics Inc. (KOREA)
3926 LINKFLOW Co., Ltd. (KOREA)
4279 Linxee(Beijing) Technology Co., Ltd (CHINA)
4095 Lionic Corporation (CHINESE TAIPEI)
495 Lite On Technology Corp. (CHINESE TAIPEI)
532 Logitech Inc. (USA)
3965 Luxshare Precision Industry Company Limited (CHINA)

[M]
1133 Magic Control Technology Corporation (CHINESE TAIPEI)
2105 Malvern Instruments Limited (U.K.)
1182 Marvell Semiconductor Inc. (USA)
4114 Matrixed Reality Technology Co., Ltd. (CHINA)
359 Matrox Electronic Systems (CANADA)
3639 Matterport, Inc. (USA)
4292 MaxLinear, Inc. (USA)
3930 McDowell Signal Processing, LLC (dba McDSP) (USA)
4256 Mech-Mind Robotics Technolgies Ltd. (CHINA)
2863 Mellanox Technologies, Ltd. (ISRAEL)
1573 Micro-Star International Co., Ltd. (CHINESE TAIPEI)
3921 Microchip (ISRAEL)
3102 Micron Technology, Inc. (USA)
1639 Microsemi (ISRAEL)
768 MICROSOFT CORPORATION (USA)
3632 Milestone Systems A/S (DENMARK)
1433 MITAC COMPUTING TECHNOLOGY CORPORATION (CHINESE TAIPEI)
1896 MitraStar Technology Corporation (CHINESE TAIPEI)
4229 MJLINK Co., Ltd. (KOREA)
4230 Montblanc-Simplo GmbH (GERMANY)
3529 Moxa Inc. (CHINESE TAIPEI)
1090 Musarubra US LLC (Trellix) (USA)

[N]
3778 Nacon (HK) Ltd (HONG KONG)
3002 NDS Surgical Imaging, LLC (USA)
1687 NetApp, Inc. (USA)
1418 NETGEAR, Inc. (USA)
1533 Netronix Inc. (CHINESE TAIPEI)
3712 Netronome Systems, Inc. (USA)
667 NetScout Systems, Inc. (USA)
1316 Network Engines Inc, DBA "NEI", & DBA "Unicom Engineering Inc." (USA)
3865 Network Integrity Systems, Inc. (USA)
2608 New H3C Technologies Co., Ltd. (CHINA)
1961 NEXCOM International Co., LTD. (CHINESE TAIPEI)
3798 NextDrive Co., LTD. (CHINESE TAIPEI)
4289 Nile Global Inc (USA)
4199 Nix Sensor Ltd. (CANADA)
3640 Nokia of America Corporation (USA)
308 Nokia-Global Product Compliance Laboratory (USA)
3997 Nozomi Networks Inc. (USA)
3139 NT-ware Systemprogrammierung GmbH (GERMANY)
1904 NueTeq Technology, Inc. (CHINESE TAIPEI)
3336 Nutanix, Inc. (USA)
1423 NVIDIA CORPORATION (USA)
4273 NZXT Inc. (CHINESE TAIPEI)

[O]
4225 Octane Biotech Inc. -A Lonza Company (CANADA)
3827 One Stop Systems (USA)
3813 OnLogic Inc. DBA Logic Supply (USA)
3550 Opengear Inc. (USA)
241 Oracle America, Inc. (USA)
4135 Origin Wireless Taiwan Corp. (CHINESE TAIPEI)
3062 Orion Technology Co., Ltd. (KOREA)
577 Overland Storage, Inc. (USA)
3657 OXTI PTE LTD (SINGAPORE)

[P]
3904 PAKERS CO., LTD (KOREA)
3441 Palo Alto Networks Inc. (USA)
3434 Panasas, Inc. (USA)
2372 Panduit Corp. (USA)
4156 PARTECH INC (USA)
1808 PARTNER TECH CORP. (CHINESE TAIPEI)
3974 PAX Computer Technology (Shenzhen) Co., Ltd. (CHINA)
2869 PEGATRON CORPORATION (CHINESE TAIPEI)
3996 Pensando Systems, Inc. (USA)
4272 People & Technology (KOREA)
3851 PERVASIVE DISPLAYS INC. (CHINESE TAIPEI)
2614 Philips & Lite-On Digital Solutions Corp. (CHINESE TAIPEI)
2181 PIOLINK, Inc. (KOREA)
3925 Pismo Labs Technology Limited (HONG KONG)
2524 Plantronics Inc. (USA)
4258 Plasmapp Co., Ltd. (KOREA)
4180 Pliops Inc. (ISRAEL)
3642 PNY TECHNOLOGIES Asia Pacific Limited (CHINESE TAIPEI)
3998 Polaroid Film B.V. (THE NETHERLANDS)
3146 Power Quotient International Co., Ltd. (CHINESE TAIPEI)
2062 POWERCOM CO., LTD. (CHINESE TAIPEI)
3374 Pride Tech Corporation (CHINESE TAIPEI)
851 Primax Electronics Ltd. (CHINESE TAIPEI)
4249 Prime Computer AG (SWITZERLAND)
1910 PROMISE TECHNOLOGY, INC. (CHINESE TAIPEI)
4018 Protempis LLC. (USA)
3726 PSi Laser GmbH (GERMANY)
3818 Pure Storage Inc. (USA)

[Q]
4281 QANBA USA, LLC (USA)
4011 Qbic Technology Co., Ltd. (CHINESE TAIPEI)
2841 Qisda Corporation (CHINESE TAIPEI)
3162 QNAP Systems, Inc. (CHINESE TAIPEI)
2261 Qualys Inc. (USA)
726 QUANTA COMPUTER INC. (CHINESE TAIPEI)
1012 Quantum Corporation (USA)
3842 Qucell Networks Co., Ltd. (KOREA)

[R]
2407 Radware Ltd. (ISRAEL)
3371 Rakuten Kobo Inc. (CANADA)
4262 Rakuten Symphony Singapore (SINGAPORE)
4118 Ramaxel Technology (Shenzhen) Co., Ltd (CHINA)
1895 Raritan International B.V. Taiwan Branch (CHINESE TAIPEI)
3888 Rein Medical GmbH (GERMANY)
3947 REMOTEC TECHNOLOGY LTD. (HONG KONG)
3931 RetailNext, Inc. (USA)
3437 rf IDEAS, Inc. (USA)
1558 Ribbon Communications Inc. (USA)
2628 Ribbon Communications Operating Company, Inc. (USA)
2377 Rimage Corporation (USA)
2529 Riverbed Technology (USA)
3389 RSUPPORT CO., LTD. (KOREA)
2480 Ruckus Wireless, Inc. (USA)
4269 RuggON Corporation (CHINESE TAIPEI)
4062 Ruijie Networks Co., Ltd. (CHINA)

[S]
4075 SambaNova Systems, Inc. (USA)
2750 SAMPO Corporation Ltd (CHINESE TAIPEI)
271 SAMSUNG ELECTRONICS Co., Ltd. (KOREA)
3627 Sanmina Corp (USA)
1416 Seagate Cloud Systems, Inc. (USA)
3046 Seagate Technology (USA)
2552 SEH Computertechnik GmbH (GERMANY)
3239 SendTek Corporation (CHINESE TAIPEI)
3986 Sequent AG (SWITZERLAND)
481 SerComm Corporation (CHINESE TAIPEI)
4059 SGM, Co., Ltd. (KOREA)
4140 SHANGHAI CHINGMU VISION TECHNOLOGY CO., LTD (CHINA)
4298 Shenzhen Horn Audio Co., Ltd. (CHINA)
4079 Shenzhen Longsys Electronics Co., Ltd. (CHINA)
4261 Shenzhen Samoon Technology Co., Ltd (CHINA)
4200 Shenzhen Unionmemory Information System Limited (CHINA)
4196 Shopify Inc. (CANADA)
3618 Shuttle Inc. (CHINESE TAIPEI)
2306 Silicom Ltd. (ISRAEL)
2535 Silver Peak Systems, Inc. (USA)
3131 SK hynix Inc. (KOREA)
4233 SK hynix NAND Product Solutions Corp. (USA)
2276 SMART Embedded Computing, Inc. (USA)
1960 SMART Modular Technologies, Inc. (USA)
2501 SMART Technologies ULC (CANADA)
2597 Solace Corporation (CANADA)
4050 SOLID STATE STORAGE TECHNOLOGY CORPORATION (CHINESE TAIPEI)
794 SOLID YEAR CO.,LTD. (CHINESE TAIPEI)
3158 SOLiD, Inc. (KOREA)
3773 SonicWall Inc. (USA)
4134 Sonnet Technologies, Inc. (USA)
3808 Sonos, Inc. (USA)
3249 Sophos Ltd. (U.K.)
3650 Spectra Logic Corporation (USA)
3752 ST Engineering iDirect, Inc. dba iDirect (USA)
3447 SteelSeries ApS (CHINESE TAIPEI)
1498 Stratus Technologies, Inc. (USA)
3243 Sunix Co., Ltd. (CHINESE TAIPEI)
2933 Sunrex Technology Corp (CHINESE TAIPEI)
4086 Sunwoda Electronic Co., Ltd. (CHINA)
1880 SUPER MICRO COMPUTER INC. (USA)
3792 Suzhou Lehui Display Co., Ltd. (CHINA)
4275 Suzhou Pseakin Electronics Technology (CHINA)
3815 Synology Inc. (CHINESE TAIPEI)

[T]
3838 T.I.T. ENG Co., Ltd. (KOREA)
3271 TA Technology (Shanghai) Co., Ltd. (CHINA)
3175 Taiwan BOE Vision-electronic Technology Co., Ltd. (CHINESE TAIPEI)
4177 TAIWAN CONTEC CO., LTD. (CHINESE TAIPEI)
1078 Tandberg Data GmbH (GERMANY)
3962 Tatung Technology Inc. (CHINESE TAIPEI)
4203 Technologies Humanware (CANADA)
3901 Telestream, LLC (USA)
4215 Teradata Operations, Inc. (USA)
3782 Thales DIS CPL USA, Inc. (USA)
1524 Thales DIS France SAS (FRANCE)
3719 THINKWARE CORPORATION (KOREA)
3626 Tobii AB (SWEDEN)
1601 Top Victory Electronics Co., Ltd. (CHINESE TAIPEI)
3652 TP-Link Corporation Limited (CHINA)
4120 TQ-Systems GmbH (GERMANY)
3542 TransAct Technologies Incorporated (USA)
3695 Trenton Systems (USA)
3761 Turtle Beach Europe, Ltd., Taiwan Branch (CHINESE TAIPEI)
3565 Twinhead International Corp. (CHINESE TAIPEI)
4252 2N TELEKOMUNIKACE a.s. (Czech Republic)

[U]
4216 Ubiquoss Inc. (KOREA)
4045 Ufi Space Co., Ltd. (CHINESE TAIPEI)
886 Universal Global Scientific Industrial Co., Ltd. (CHINESE TAIPEI)
3875 UPG Company LLC (USA)
4164 Utimaco, Inc. subsidiary of Utimaco GmbH (USA)

[V]
4160 VALTEC TECHNOLOGY CO., LTD. (CHINESE TAIPEI)
3984 VC Inc. (KOREA)
4187 Vecima Networks Inc. (CANADA)
4235 Veo Technologies ApS (DENMARK)
3988 Verico International Co., LTD. (CHINESE TAIPEI)
3668 Veritas Technologies LLC (USA)
4221 Verkada Inc. (USA)
3969 VERSA NETWORKS (USA)
585 Vertiv IT Systems, Inc. (USA)
2595 ViaScope Inc. (KOREA)
3613 ViewSonic International Corporation (CHINESE TAIPEI)
4228 ViGEM GmbH (GERMANY)
3194 Vigilent Corporation (USA)
4162 Vinpower Inc. (USA)
3439 Virtual Instruments Corporation, DBA Virtana Corp (USA)
2443 VIVOTEK INC. (CHINESE TAIPEI)
3730 Vmware, Inc. (USA)
3291 Voyetra Turtle Beach, Inc. (USA)
3125 Vuzix Corporation (USA)

[W]
4007 Waltop International Corporation (CHINESE TAIPEI)
3829 Warwick Acoustics Ltd. (U.K.)
3852 WAWGD, Inc. d.b.a. Foresight Sports (USA)
3666 Weifang GoerTek Electronics Co., Ltd. (CHINA)
3763 Weihai Daewoo Electronics Co., Ltd. (CHINA)
2432 Western Digital Technologies, Inc. (USA)
4214 WHA YU INDUSTRIAL Co., Ltd. (CHINESE TAIPEI)
1718 WIBU-SYSTEMS Aktiengesellschaft (GERMANY)
2418 WIDE CORPORATION (KOREA)
4052 Wincomm Corporation (CHINESE TAIPEI)
4246 WINGTECH GROUP (HONGKONG) LIMITED (HONG KONG)
2912 Wins Co., Ltd. (KOREA)
1767 Wistron Corporation (CHINESE TAIPEI)
3423 Wiwynn Corporation (CHINESE TAIPEI)
4227 Workaround GmbH (GERMANY)
4282 Wuxi Taclink Optoelectronics Technology Co., Ltd. (CHINA)

[X]
3359 XAC Automation Corporation (CHINESE TAIPEI)
2827 Xerox Corporation (USA)
4223 xFusion Digital Technologies Co., Limited (CHINA)
4171 Xiaomi Communications Co., Ltd. (CHINA)
3912 XILINX, INC. (USA)
3538 XYZprinting, Inc. (CHINESE TAIPEI)

[Y]
4191 Yellowbrick Data, Inc. (USA)
4260 Yibin Jiaxin Electronic Technology Co., Ltd. (CHINA)

[Z]
1143 Zebra Technologies Corporation (USA)
1229 Zebra Technologies Corporation (USA)
4087 Zhongshan Hybroad Vision Trading Company Ltd (CHINA)
3729 ZPE Systems, Inc. (USA)
3956 ZT GROUP INT'L, INC. (USA)
3354 ZTE Corporation (CHINA)
3646 ZUNIDATA SYSTEMS INC. (CHINESE TAIPEI)
2596 Zylux Acoustic Corporation (CHINESE TAIPEI)

Supporting Members

<Japanese>

No. Company Name

[A]
3740 AKITA Industrial Technology Center
3196 ANRITSU CUSTOMER SUPPORT CO., LTD.
4003 AXELL CORPORATION

[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
348 DMG MORI Digital Co., LTD.

[E]
300 e-OHTAMA, LTD.
997 E&C Engineering K.K.
1263 Ehime Institute of Industrial Technology
259 EMC Japan Corporation
1906 ETS-Lindgren Japan, Inc.

[F]
101 FOSTER ELECTRIC CO., LTD.
1115 FUJITSU GENERAL EMC LABORATORY LIMITED
3893 Fukushima medical device industry promotion agency

[G]
4041 Gifu Prefectural Industry Technology Center

[H]
423 HIROSHIMA-TECHNOPLAZA CORPORATION
3937 Hokkaido Research Organization, Industrial Research Institute

[I]
3234 Industrial Research Institute of Niigata Prefecture
397 Industrial Research Institute of Shizuoka Prefecture Hamamatsu Technical Support Center
742 Industrial Technology Center of OKAYAMA Pref.
575 Industrial Technology Institute Fukushima Prefectural Government
1213 Industrial Technology Institute, Miyagi Prefectural Government
999 Intertek Japan K.K.
579 IPS Corporation
2227 ISHIKAWA Co., Ltd.
3649 Iwate Industrial Research Institute

[J]
3619 Japan Automobile Research Institute
792 JAPAN ELECTRICAL SAFETY & ENVIRONMENT TECHNOLOGY LABORATORIES
3891 Japan Gas Appliances Inspection Association
140 JEL Limited

[K]
1251 Kagawa Industry Support Foundation (NEXT KAGAWA)
689 Kanagawa Institute of Industrial Science and Technology
187 KITAGAWA INDUSTRIES CO., LTD.
3569 KYB Corporation
3304 Kyoritsu Electric Corporation
3934 KYOTO INSTITUTE OF TECHNOLOGY

[L]
1370 Labotech International Co., Ltd.

[M]
2973 M-System Co., Ltd.
1301 Minami-Shinsyu Iida Industry Center
2031 MIWA LOCK CO., LTD.
1438 Miyazaki Prefecture Industrial Technology Center

[N]
352 Nagano Prefectural General Industrial Technology Center Precision. Electronics & Aviation Technology Department
3592 NIPPON SEIKI CO., LTD.
3562 NISSEI ELECTRIC CO., LTD.
684 NOISE LABORATORY CO., LTD.
2689 Noritz Corporation

[O]
3568 OHTAMA CALIBRATION SERVICE Co., Ltd.
3862 Oita Industrial Research Institute
898 OKI ENGINEERING CO., LTD.
307 OKI Nextech Co., Ltd.
463 OLYMPUS CORPORATION
4055 Osaka Research Institute of Industrial Science and Technology

[P]
608 Panasonic System Networks Evaluation Technology Co., Ltd.
2234 PENTEL Co., Ltd.

[R]
2285 Radio Engineering & Electronics Association
1398 RAKURYOU TECHNICA CO., LTD.
485 RIKEN ENVIRONMENTAL SYSTEM Co., Ltd
2759 Rohde & Schwarz Japan K.K.
1337 Roland Corporation

[S]
3446 Samoto & Associates, Ltd.
2906 SELA Corporation
2563 SGS Japan Inc.
3274 Shimane Insutitute Industrial Technology
1849 Sony Global Manufacturing & Operations Corporation

[T]
346 TDK-Lambda Corporation
3734 Techno Science Japan Co., Ltd.
4138 Techno Science Systems Co., Ltd.
996 Tokin EMC Engineering Co., Ltd.
943 Toshiba Carrier Engineering & Life Support Corp.
3283 Toyama Industrial Technology Research and Development Center
995 TOYO Corporation
3396 Toyota Industries Corporation
811 TUV Rheinland Japan Ltd.
240 TUV SUD Japan Ltd.

[U]
474 UL Japan, Inc

[W]
260 WAVE CORPORATION

[Y]
4073 Yamagata Research Institute Of Technology
150 YAZAKI CORPORATION

<Overseas>

No. Company (Country or Region Name)

[A]
4053 AA Electro Magnetic Test Laboratory Private Limited (INDIA)
4128 Advanced Compliance Laboratory, Inc. (USA)
966 Atlas Compliance & Engineering, Inc. (USA)
4112 Attestation of Global Compliance (Shenzhen) Co., Ltd. (CHINA)
1257 AUDIX Technology (Shanghai) Co., Ltd. (CHINA)
638 Audix Technology (Shenzhen) Co., Ltd. (CHINA)
2653 Audix Technology (WuJiang) Co., Ltd. (CHINA)
237 Audix Technology Corporation (CHINESE TAIPEI)

[B]
4036 Bay Area Compliance Laboratories (Chengdu) (CHINA)
981 Bay Area Compliance Laboratories Corp. (USA)
3929 Bay Area Compliance Laboratories Corp. (Kunshan) (CHINA)
3387 Bay Area Compliance Laboratories Corp. (Shenzhen) (CHINA)
3776 Bay Area Compliance Laboratories Corp. (Taiwan) (CHINESE TAIPEI)
4153 Bay Area Compliance Labs Corp. (Linkou Laboratory) (CHINESE TAIPEI)
4104 BEC Incorporated (USA)
3940 Beijing Boomwave Test Service Co., Ltd. (CHINA)
4243 BTF Testing Lab (Shenzhen) Co., Ltd. (CHINA)
672 BTL Inc. (CHINESE TAIPEI)
2709 BTL Inc. (CHINA)
3859 BTL Inc. (CHINA)
4021 BUREAU VERITAS ADT (SHANGHAI) CORPORATION (CHINA)
818 Bureau Veritas Consumer Products Services (USA)
395 Bureau Veritas Consumer Products Services, (H.K.) Ltd., Taoyuan Branch (CHINESE TAIPEI)
2115 Bureau Veritas Shenzhen Co., Ltd. Dongguan Branch (CHINA)
3772 BV 7Layers Communications Technology (Shenzhen) Co., Ltd. (CHINA)
4013 BV CPS ADT Korea Ltd. (KOREA)
4238 BWS TECH INC. (KOREA)

[C]
1847 Central Research Technology Co. (CHINESE TAIPEI)
4067 Centre Testing International (Suzhou) Co., LTD. (CHINA)
3177 Centre Testing International Group Co., Ltd. (CHINA)
2216 Cerpass Technology Corporation (CHINESE TAIPEI)
2783 CETECOM GmbH (GERMANY)
3812 China Academy of Information and Communications Technology (CHINA)
213 CKC Laboratories, Inc. (USA)
530 Compatible Electronics, Inc. (USA)
1938 Compliance Certification Services (KunShan) Inc. (CHINA)
710 Compliance Certification Services Inc. (CHINESE TAIPEI)
3330 Core Compliance Testing Services, LLC (USA)
332 CSA Group Bayern GmbH (GERMANY)
2981 CSA Group Testing & Certification Inc. (CANADA)
1208 CTK Co., Ltd. (KOREA)

[D]
270 D.L.S. Electronic Systems, Inc. (USA)
1153 DEKRA Testing and Certification Co., Ltd. (CHINESE TAIPEI)
4100 Dongguan Dongdian Testing Service Co., Ltd. (CHINA)
3207 DSTech Co., Ltd. (KOREA)
1722 Dt&C Co., Ltd. (KOREA)
4236 Dynabook Technology (Hangzhou) Inc. (CHINA)

[E]
3561 EKTOS Testing & Reliability Services A/S (DENMARK)
1607 Electrical and Electronics Institute (EEI), Thailand (THAILAND)
922 ELECTRO MAGNETIC TEST, INC. (USA)
2870 ElectroMagnetic Investigations, LLC (USA)
564 Element Materials Technology Portland-Evergreen Inc. (USA)
657 Element Materials Technology Warwick Ltd. (U.K.)
656 Element Materials Technology Washington DC LLC (USA)
785 EMC Technologies Pty Ltd. (AUSTRALIA)
1409 EMCCons DR. RASEK GmbH & Co. KG (GERMANY)
2210 EMITECH Angers (FRANCE)
2893 EMTEK (Shenzhen) Co., Ltd. (CHINA)
4297 ENG Co., Ltd. (KOREA)
3270 EST Technology Co., Ltd. (CHINA)
3470 ESTECH Co., Ltd. (KOREA)
3034 Eurofins E&E Wireless Taiwan Co., Ltd. (CHINESE TAIPEI)
1980 Eurofins KCTL Co., Ltd. (KOREA)
757 Eurofins MET Laboratories, Inc. (USA)
1062 Eurofins York (U.K.)

[F]
3636 F Squared Engineering Corp dba F2 Labs (USA)
910 FORCE Technology (DENMARK)

[G]
2778 Global Certification Corp. (CHINESE TAIPEI)
708 Global EMC Standard Tech. Corp. (CHINESE TAIPEI)
4184 Green Mountain Electromagnetics, Inc. (USA)
3498 Guangdong Keyway Testing Technology Co., Ltd. (CHINA)
4201 Guangzhou GRG Metrology & Test Co., Ltd. (CHINA)
2092 Gumi University EMC Center (KOREA)

[H]
3606 Hangzhou TDT Technologies Co., Ltd. (CHINA)
264 HCT Co., Ltd. (KOREA)
592 Hermon Laboratories Ltd. (ISRAEL)
1814 Hong An Technology CO., LTD. (CHINESE TAIPEI)
3070 Hong Fu Jin Precision Electrons (Yantai) Co., Ltd. (CHINA)
4217 Hubei Institute of Measurement and Testing Technology (CHINA)
892 Hyundai C-Tech, Inc. dba HCT America, Inc. (USA)

[I]
821 I.T.L. (PRODUCT TESTING) LTD (ISRAEL)
4257 ICR Co., Ltd. (KOREA)
3452 International Certification Corp. (CHINESE TAIPEI)
243 International Standards Laboratory Corp. (CHINESE TAIPEI)
1349 Interocean EMC Technology Corp. (CHINESE TAIPEI)
3898 Intertek ETL SEMKO Korea Ltd. (KOREA)
960 Intertek Testing Services Hong Kong Ltd. (HONG KONG)
3598 Intertek Testing Services Ltd., Shanghai (CHINA)
334 Intertek Testing Services NA Inc. (USA)
1253 Intertek Testing Services Taiwan Ltd. (CHINESE TAIPEI)

[J]
2746 Jiangsu Electronic Information Product Quality Supervision & Inspection Institute (CHINA)
3462 JNDL Laboratory CO., LTD. (KOREA)

[K]
3669 KES Co., Ltd. (KOREA)
3465 Keystone Compliance, LLC (USA)
4168 Kiwa Netherlands B.V. (THE NETHERLANDS)
KOSTEC Co., Ltd. (KOREA)
2005 Kunshan Balun Communications
4255 Technology Co., Ltd. (CHINA)

[L]
3656 Lab-T, Inc. (KOREA)
3533 LCIE Bureau Veritas (FRANCE)
2186 LGAI Technological Center, S.A. (Applus+ Laboratories) (SPAIN)
2411 LTA Co., Ltd. (KOREA)

[M]
4265 Megalab Group Inc. (CANADA)
2959 MiCOM Labs Inc (USA)
3575 MRT Technology (Suzhou) Co., Ltd. (CHINA)

[N]
1211 National Technical Systems (USA)
4224 Nebraska Center for Excellence in Electronics (USA)
642 Nemko Canada Inc. (CANADA)
2118 Nemko Korea Co., Ltd. (KOREA)
4009 Nemko S.p.A. (ITALY)
3220 Nemko Scandinavia AS (NORWAY)
720 Nemko USA Inc. (USA)
409 Nemko USA, Inc. (Austin) (USA)
3928 NTREE Co., Ltd. (KOREA)

[O]
782 ONETECH Corp. (KOREA)

[P]
555 Parker Chomerics Test Services (USA)

[Q]
3718 QAI Laboratories, Ltd. (CANADA)
1798 QualiTech, EMC Lab. (ISRAEL)

[R]
3987 Radiometrics Midwest Corporation (USA)
1908 RETLIF Testing Laboratories (USA)
4065 RN Electronics Limited (U.K.)

[S]
2793 SGS Germany GmbH (GERMANY)
2934 SGS Korea Co., Ltd. (KOREA)
1600 SGS Taiwan Ltd. (CHINESE TAIPEI)
3061 SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. (CHINA)
1937 SGS-CSTC Standards Technical Services Co., Ltd. (CHINA)
2621 Shanghai Institute of Measurement and Testing Technology EMC Lab. (CHINA)
3525 Shenzhen Academy of Metrology and Quality Inspection (CHINA)
3826 Shenzhen BALUN Technology Co., Ltd. (CHINA)
2257 Shenzhen FuLian FuGui Precision Industry Co., Ltd. (CHINA)
2218 Shenzhen Huatongwei International Inspection Co., Ltd. (CHINA)
3863 Shenzhen Huaxia Testing Technology Co., Ltd. (CHINA)
4284 Shenzhen LCS Compliance Testing Laboratory Ltd. (CHINA)
3884 Shenzhen Morlab Communications Technology Co., Ltd. (CHINA)
3641 Shenzhen TCT Testing Technology Co., Ltd. (CHINA)
4142 Shenzhen UnionTrust Quality and Technology Co., Ltd. (CHINA)
3071 SINGAPORE EPSON INDUSTRIAL PTE LTD (SINGAPORE)
4202 SIQ Ljubljana (SLOVENIA)
1411 SK Tech Co., Ltd. (KOREA)
842 Spectrum Research & Testing Laboratory Inc. (CHINESE TAIPEI)
466 Sporton International Inc. (CHINESE TAIPEI)
3096 Standard Bank Co., Ltd. (KOREA)

[T]
277 Taiwan Testing and Certification Center (CHINESE TAIPEI)
658 Test Site Services (USA)
3379 The Compliance Management Group (CMG) (USA)
1328 The Hong Kong Standards and Testing Centre Ltd. (HONG KONG)
831 The Standards Institution of Israel (SII) (ISRAEL)
916 3C Test Ltd (U.K.)
2697 TÜV Rheinland (Guangdong) Ltd. (CHINA)
4074 TÜV Rheinland (Shenzhen) Co., Ltd. (CHINA)
1097 TÜV Rheinland of North America (USA)
4020 TÜV Rheinland Sweden AB (SWEDEN)
3252 TÜV Rheinland Taiwan Ltd. (CHINESE TAIPEI)
4296 TÜV Rheinland Vietnam Co., Ltd. (VIETNAM)
129 TÜV SÜD America Inc. (USA)
2003 TÜV SÜD Canada (Ottawa) (CANADA)
2718 TÜV SÜD Canada Inc. (CANADA)
4158 TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch (CHINA)
433 TÜV SÜD Ltd. (U.K.)
542 TÜV SÜD PSB Pte. Ltd. (SINGAPORE)

[U]
4090 UCS Co., Ltd. (KOREA)
3148 UL International-Singapore Pte Ltd (SINGAPORE)
4066 UL Korea, Ltd. (KOREA)
596 UL LLC (USA)
3793 UL Verification Services (Guangzhou) Co., Ltd., Song Shan Lake Branch (CHINA)
376 UL Verification Services Inc. (USA)
1309 Ultratech Engineering Labs Inc. (CANADA)
3834 Underwriters Laboratories Taiwan Co., Ltd. (CHINESE TAIPEI)
4012 Unified Compliance Laboratory (USA)

[W]
4268 Waltek Testing Group Co., Ltd. (CHINA)
3581 Wendell Industrial Co., Ltd. (CHINESE TAIPEI)
3750 WH Technology Corp. (CHINESE TAIPEI)
4277 World Standardization Certification & Testing Group (Shenzhen) Co., Ltd. (CHINA)
2450 Worldwide Testing Services (Taiwan) Co., Ltd. (CHINESE TAIPEI)

As of March 31, 2023

» Settlement of Accounts for FY 2022

(Statement of net assets)

From April 1, 2022 to March 31, 2023

(Unit: Japanese yen)

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	(3,100,000)	(3,850,000)	(△ 750,000)
② Membership fees received	(245,350,000)	(246,200,000)	(△ 850,000)
③ Earning on enterprise fees	(18,547,500)	(15,549,500)	(2,998,000)
Site registration fees	14,177,500	14,239,500	△ 62,000
Seminar enrollment fees	4,370,000	1,310,000	3,060,000
④ Miscellaneous earnings	(2,193,667)	(738,029)	(1,455,638)
Total ordinary earnings	269,191,167	266,337,529	2,853,638
(2) Ordinary expenditure			
① Enterprise expenditure	(229,299,102)	(199,608,525)	(29,690,577)
Labor	67,143,639	63,483,487	3,660,152
Enterprise overhead	60,823,671	51,319,847	9,503,824
Operating expenditure	1,457,237	1,132,428	324,809
Standards setting	14,229,047	7,575,174	6,653,873
Technical education and training	5,395,251	633,466	4,761,785
Market surveillance	27,404,466	24,743,809	2,660,657
International relations operation	2,018,123	1,303,257	714,866
Public relations	15,235,328	12,718,097	2,517,231
Site registration expenditure	26,328,260	26,385,200	△ 56,940
Reserve funds including reserve fund for retirement allowances	9,264,080	10,313,760	△ 1,049,680
② Administrative expenditure	(31,785,385)	(30,251,868)	(1,533,517)
Labor	12,675,912	12,298,490	377,422
Housekeeping	16,793,453	15,375,438	1,418,015
Reserve funds including reserve fund for retirement allowances	2,316,020	2,577,940	△ 261,920
Total ordinary expenditure	261,084,487	229,860,393	31,224,094
Current fiscal year ordinary increase and decrease amoun	8,106,680	36,477,136	△ 28,370,456
General net assets before tax	8,106,680	36,477,136	△ 28,370,456
Corporation tax, residential tax, and enterprise tax	70,000	70,000	0
Current fiscal year general net assets	8,036,680	36,407,136	△ 28,370,456
Balance of general net assets at the beginning of the term	482,172,881	445,765,745	36,407,136
Balance of general net assets at the end of the term	490,209,561	482,172,881	8,036,680
II. Balance of net assets at the end of the term	490,209,561	482,172,881	8,036,680

» VLAC (Voluntary EMC Laboratory Accreditation Center)

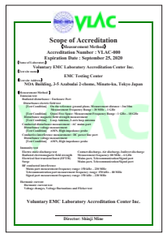
VLAC was established in April 1999 by VCCI Council as an independent organization providing laboratory accreditation VLAC accredits laboratories by inspecting whether they conform to international standards "ISO/IEC17025". The scope of accreditation covers emissions from multimedia devices demanded by VCCI Council, 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 of medical equipment and others. 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 Council, free of charge simply by sending their certificate to the website.

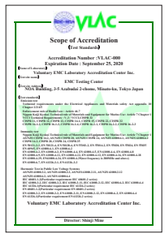
As of the end of FY 2022, 48 testing sites of 36 laboratories have been certified by VLAC.

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 : https://www.telec.or.jp/

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

TELEC is a testing and accreditation body that performs Technical Regulations Conformity Certification and Construction Design Certification defined in the Radio Act, and technical standards conformity certification for terminal equipment as stipulated by the Telecommunications Business Law. It also tests (1) EMC for EU and FCC standards in the scope certified by the ISO/IEC 17025 laboratory, (2) radio, and (3) extremely low-power radio facilities as stipulated by the Radio Law. It also performs specified calibration of measuring instruments, testing for W-SUN certification, and SAR tests, tests WPT facilities and various facilities using high frequencies, and measures antenna characteristics and a variety of electromagnetic fields in open sites.

JQA (Japan Quality Assurance Organization) - Saito EMC Testing Laboratory

URL : https://www.jqa.jp/

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

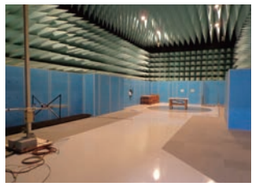
JQA is a fair and neutral third-party organization providing services such as: Inspection and registration of quality management systems such as ISO 9001 and environment management systems such as ISO 14001, EMC testing, product safety certification, measurement device calibration, and certification of daily-life service robots. The Saito laboratory is the biggest of JQA's EMC 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 and A2LA under ISO/IEC 17025.

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

This center is accredited as an ISO/IEC 17025 laboratory (by VLAC and JAB) and performs high-quality, reliable testing as iNARTE-certified EMC engineers assuredly support EMC testing for electrical and electronic devices for home, industries, medicine, cars and aircraft, and defense-related equipment, as well as evaluation testing for radio equipment and product safety testing for home appliances. In addition, KEC has JIS Q 17043 Proficiency Testing Scheme Provider Accreditation and offers highly-reliable EMC proficiency testing.



Intertek Japan - Kashima Testing Laboratory

URL : https://intertekjp.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

VCCI Council
7F NOA Bldg., 2-3-5, Azabudai, Minato-ku,
Tokyo, Japan 106-0041
TEL.+81-3-5575-3138 FAX.+81-3-5575-3137

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, 2023