

JET

Introduction to JET Business



JET Supports "Safety," "Quality," and "En

JET (Japan Electrical Safety & Environment Technology Laboratories) was founded in 1963 as an authorized testing body designated by the government of Japan based on the Electrical Appliance and Material Control Law, taking over the testing services that the government had conducted. Since then, JET has supported establishment of and advancement in the safety of electrical equipment and facilities in Japan in cooperation with manufacturers, importers, distributors and consumers. Based on that achievement, JET is actively promoting its business in product testing and inspection services, certification services, cooperation with overseas authorities, and the quality management system (ISO9001) registration services, and also contributes to environment conservation through the environmental management system (ISO14001) registration services. JET will continuously offer excellent services that support your business, featuring the concept "JET, the Leader in Safety and Environment in the 21st Century".

JET



**Testing
Inspection and
Certification Services**



Overseas Services



Environment Conservation"



Researches Services



Customer Assistance Services



Assessment and Registration Services of Management System



Head Office, Tokyo Laboratory



Yokohama Laboratory



Kansai Laboratory



Power Technology Testing Laboratory

History

1963

Founded as Japan Electrical Testing Laboratories of Japan Electric Association, taking over the testing service from national electrical testing laboratories. Designated by the government as an authorized testing body based on the then Electrical Appliance and Material Control Law.

1964

Kansai branch (currently, Kansai Laboratory) and Nagoya branch (closed down in December, 2016) were established.

1965

The name was changed to Japan Electrical Testing Laboratories.

1987

Yokohama Laboratory was established.

1995

Accredited by Japan Accreditation Board for Conformity Assessment (JAB) as a QMS registration body according to the ISO9000s. -- Quality Management Division

1997

Accredited by JAB as an EMS registration body according to the ISO14001. -- Environment Certification Division. The name was changed to Japan Electrical Safety & Environment Technology Laboratories.

1999

Accepted by the IECEE as an NCB (National Certification Body) of Japan based on the IECEE-CB Scheme.

2001

Accredited by the government of Japan as a designated inspection body based on the Electrical Appliances and Materials Safety Act.

2003

Accredited by the government of Japan as a designated inspection body based on the Consumer Product Safety Act.

2005

Accredited by the government of Japan as a Third Party Certification body under The Pharmaceutical Affairs Law.

2006

Designated by the government of Japan as a Registered Certification body (under the New JIS Mark scheme) based on the Industrial Standardization Act.

JET's laboratories at TOKYO, YOKOHAMA and KANSAI have been designated as Accredited Testing Laboratories under JNLA (Japan National Laboratory Accreditation System), with MRA (Mutual Recognition Arrangement), by NITE (National Institute of Technology and Evaluation) based on the Industrial Standardization Law.

2010

Open up Kyusyu Office. (closed down in December, 2017)

2011

Established Power Technology Testing Laboratory.

2012

Established Testing Center for wireless devices within Yokohama Laboratory.

2013

Started ECHONET Standard Conformity Certification Scheme.

2014

Kansai Laboratory moved to Kobe-Shi (Rokko Island) in Hyogo prefecture.

2016

Established Power Conditioner Testing Center.



Testing Inspection and Certification Services



JET evaluates various products including electrical products, components and materials for the conformity to relevant standards. JET also provides product certification services through verification of the quality management system of the factories that manufacture the evaluated products. The certification marks, which demonstrate the conformity, are widely trusted in the Japanese market.

Assessment services for the conformity to requirements based on Japanese laws.

JET performs tests and inspections based on laws to help safe products to be offered to the market.

Conformity assessment of the "specified electrical appliances" based on the Electrical Appliances and Materials Safety Act



JET is a registered conformity assessment body based on the Electrical Appliances and Materials Safety Act and the sole organization in Japan that can perform conformity assessments for all the specified electrical appliances.

Conformity assessments of the "designated specified products" based on the Consumer Products Safety Act



As a registered assessment body based on the Consumer Products Safety Act, JET performs the conformity assessments for electric hot water circulators for bathtubs.

Certification based on the Industrial Standardization Act



JET performs assessment and certification for conformity to JIS product standards as a Registered Certification body based on Industrial Standardization Act in the following fields: B; Mechanical Engineering, C; Electronic and Electrical Engineering, G; Ferrous Materials and Metallurgy, K; Chemical Engineering, T; Medical Equipment and Safety Appliances.

Certification for controlled medical devices based on The Pharmaceutical and Medical Devices Act



As a registered third party certification body under the revised Japanese Pharmaceutical and Medical Devices Act from April 2005, JET performs the certification service for controlled medical devices such as anesthesia and respiratory equipment, dental equipment, medical electrical equipment, clinical equipment, ophthalmic and visual equipment, reusable equipment, single use equipment, medical apparatus for home use and related products, hearing aid, and diagnostic imaging equipment.

Technology Regulation Certification and Certification Service based on the Radio Act



JET provides Technology Regulation Certification and certification service for Design Appraisal for Specified Radio Equipment as Registered Certification Body based on the Radio Act, in addition, and also conducts requested testing based on the other laws at home and abroad.

Fairly and Neutrally, JET Tests and Certifies Various Products for Quality and Reliability

Certification services for components and products

To meet further needs for safety, JET provides third-party certification services.

S-JET Certification



This is a service for testing, inspection and certification based on a contract between a manufacturer and JET. In this service, electrical products are tested for their safety and factories are inspected for their management systems, and also follow-up inspections are regularly conducted. A certified product is allowed to bear the certification mark to demonstrate the third-party certification. The mark helps distributors and consumers select and purchase safe products.

Certification of circuit breakers for use in residences



This is a service for testing, inspection and certification based on a contract between a manufacturer and JET. Because earth leakage breakers and circuit protectors are critical components to ensure safety, JET performs not only the tests required by the Electrical Appliance and Material Safety Law but also stricter tests to verify their safety, quality and performance. A certified product is allowed to bear the certification mark to demonstrate the third-party certification. The mark helps users rely on the products.

Registration of Components and Materials



JET's Registration Mark

Some components and materials are required to undergo burdensome testing-burning, destructive, long-term and so on-according to the "Interpretation" (specification-based descriptions) of Technical requirements for the regulated electrical products by Ministerial ordinance for the Electrical Appliances and Materials Safety Act.

Manufacturers of such components and/or materials can have JET test their products and register them with the results. Their test results can be utilized to the maximum degree for JET's test-ing of the final products.

Accordingly, by selecting the registered components/materials, assembling manufacturers can save testing time and costs, while manufacturers of components/materials can emphasize the benefits when marketing their products to assembling manufacturers. The test results of the registered components/materials are utilized for both the conformity assessment by JET and S-JET certification. The components/materials registered by JET can be registered by Council for Electrical & Electronic Components and Materials of Japan (hereinafter referred to as CMJ) according to prescribed conditions. The test results of the components/materials registered by CMJ can be utilized by some Japanese testing institutions other than JET as well: thus the benefit can be enhanced by broader applications. (JET coordinates activity with other testing institutions upon applicants' request.)



CMJ Registration Mark

Certification for water supply utensils



水道法基準適合

Water supply utensils that connect to municipal water supply systems are regulated by the Water Supply Law. JET tests those water supply utensils for the conformity to the performance standards and verifies the management system of the factories that manufacture those utensils. Certified products are allowed to bear the certification marks.

JET Robot Certification



Certification for safety of Personal Care Robots as specified in JIS B 8445 (IDT to ISO 13482) and JIS B 8446 series. Its scheme is similar to the scheme of S-JET Certification.

Testing and Certification of ECHONET Lite / AIF Specification



As a testing and certification body approved by ECHONET CONSORTIUM, JET provides one stop service for Testing and Certification of ECHONET Lite / AIF (Application communication InterFace) Specification to ECHONET CONSORTIUM members.



Testing and certification services for the use of new energy and others

JET carries out certification services, which support the use of new energy, such as "solar power generation" and "fuel cell generation", in an advanced manner.

JET certification for system interconnection equipment for small distributed generating systems



The label for photovoltaic power generation systems

This is a third-party certification system for the safety and performance of inverters (power conditioners) for grid-connection of solar power generation systems, gas engine cogeneration, fuel cell generation systems and battery systems (including EV), which contributes to facilitation of connections to the grid.

Testing of inverters (power conditioners) for grid-connection of large-scale distributed generating systems

JET carries out testing of inverters (power conditioners) for grid-connection of megawatt-class solar power generation systems based on the standards, such as IEC, UL and IEEE.

Certification for photovoltaic modules (JET PV_m Certification)



This is the sole third-party certification scheme in Japan in which photovoltaic modules can be certified based on the international standards (IEC 61215/61646/61730).



JET PV System Operation & Maintenance certification (JET PV O&M certification)



In accordance with the "Report on Guidelines for Periodic Inspection and Failure Examination of PV Power Systems", it is a scheme to register O&M companies and engineers of PV system and to certify the report from the standpoint of a third party.

JIS Q 8901 Terrestrial photovoltaic (PV) modules-Requirement for reliability assurance system (design, production and product warranty)

Based on the Japanese Industrial Standard "JIS Q 8901", it is a system to certify the system to assure reliability (design, manufacture and performance guarantee) of solar cell (PV) module from the standpoint of a third party.

Calibration of secondary reference devices

This is the calibration scheme operated commercially in Japan in which secondary reference devices, the reference for the evaluation of solar device performance, can be calibrated with the calibration systems that are traceable to the international standards.

Characterization of solar devices

This is a measurement work to characterize the efficiency of developing solar devices for research laboratories.

Testing on long-term reliability of solar cell modules

Regarding the long-term reliability of the solar cell modules, we conduct high temperature high humidity tests with prolonged test time, temperature cycle tests with increased test cycles, salt mist tests etc, according to IEC 61215/61646 etc.

Test report issuing services that meet customers' needs

JET provides services to issue test reports that are useful for in-house verification, business transactions, technical proof, and other purposes across the processes of product designing, development and manufacturing.

Testing based on the Electrical Appliances and Materials Safety Act



JET performs compulsory tests, for example, tests to verify the conformity to the technical requirements and inspections that should be performed on specimens, required for products covered by the Electrical Appliances and Materials Safety Act.

Testing for the CE Marking

JET performs tests required for the CE marking to the products intended to be offered to the European market, based on the Low Voltage Directive and the EMC Directive.

Contract Testing

- Measurements of electromagnetic compatibility (EMC)
- Measurement of electromagnetic fields (EMF)
- Measurement of air conditioner capacity
- Testing of medical equipment for electrical safety based on the Pharmaceutical and Medical Device Act of Japan
- Testing of dustproof and waterproof qualities
- Measurement of the total luminous flux of lamps
- Testing based on standards including IEC, JIS
- Inspections based on the SG Mark Scheme
- Other testing services that meet various needs

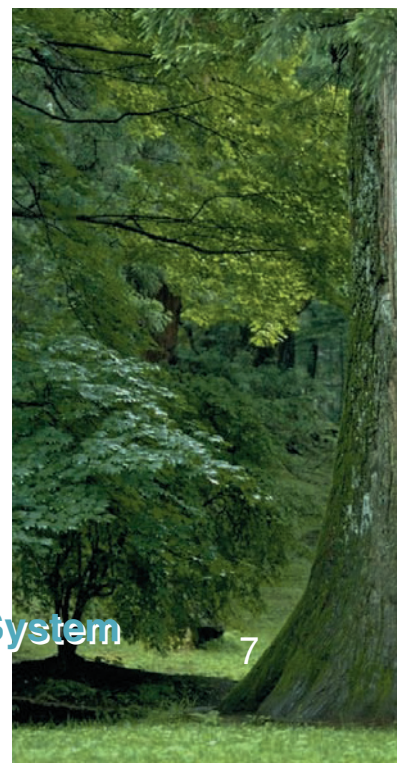
JET performs assessment and registration services based on the fair and reliable ISO standards.

Assessment and Registration of ISO and other Management Systems



- ISO9001 Quality management system
- ISO14001 Environment management system
- OHSAS18001 Occupational health and safety management system
- ISO27001 Information security management system
- ISO50001 Energy management system

Assessment and Registration Services of Management System





Support to your globalization through the "one-stop-testing"

JET provides worldwide customers with various services to help them obtain certifications for Japan and other countries. Participating in the IECEE-CB scheme, JET issues and recognizes CB certificates. Global certifications, including certifications for Japan, can be obtained through the services JET offers.

■ Certification Service for Japanese market

For customers outside Japan who hope to obtain certification based on the Electrical Appliances and Materials Safety Act of Japan, such as PSE conformity assessment certificates and S-JET certificate, JET uses CB certificates issued by testing bodies outside Japan. With this scheme, JET supports quick certification. JET accepts the results of factory inspection conducted by those testing bodies according to JET's request. Those procedures allow you to handle your certification processes efficiently.

■ Agency services

JET makes applications on your behalf for the certification in the countries other than Japan, such as China and Korea, using test reports and CB certificates JET issues. These services enable you to obtain desired certification quickly.

■ Comprehensive support services

Based on our extensive experiences, JET offers you advice on the Electrical Appliances and Materials Safety Act of Japan, including procedures associated with the law, interpretation of technical requirements, and statutory product categories. In addition, by taking advantage of the network of partner certification bodies in various countries, JET helps you have information, such as regulations of each country, procedures for certification, and applicable standards.

Overseas Services
Customer Assistance Services



JET Supports Testing and Certification under Safety Standards of Various Countries



■ Issue and recognition of CB certificates with CB test reports

JET issues CB certificates with CB test reports based on the IECEE-CB scheme. Also, JET recognizes CB certificates with CB test reports issued by other NCBs and uses them for PSE conformity assessment and S-JET certification to accelerate certification in Japan.

Product categories for which JET can issue or recognize CB certificates under the IECEE-CB scheme are household appliances, audio-video equipment, IT equipment, photovoltaic (PV) products, luminaire, cables and cords, power tools, isolating transformers and others

■ Factory inspection

According to JET's request, partner certification bodies in various countries conduct factory inspection for PSE conformity assessment and S-JET certification. Also, JET conducts factory inspection for certification for countries other than Japan, such as for CQC and KTL.





Long Experience Enables JET to Provide Extensive Services.



At the request of the government and various bodies, JET researches electrical safety, technologies related to new energy, energy-saving and environmental issues, and others.

■ Research on technologies related to new energy

At the request of government agencies, JET carries out the research and development on the technologies for conformity evaluation and complex deterioration tests of solar cell modules. JET also researches the evaluation of photovoltaic power generation systems with the similar request. Those research and development are carried out in cooperation with national laboratories.

■ Testing of electrical products purchased from retailers

At the request of the government agencies, JET conducts testing of electrical products purchased from retailers for market surveillance.

■ Investigation about the establishment of internationally harmonized standards

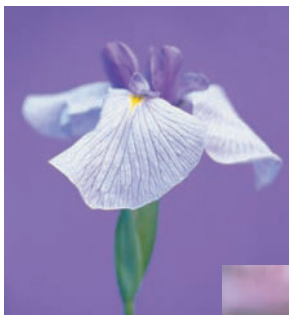
JET carries out the investigation for the establishment of national safety standards that are harmonized with international standards.

■ Activities to promote understanding of electrical safety

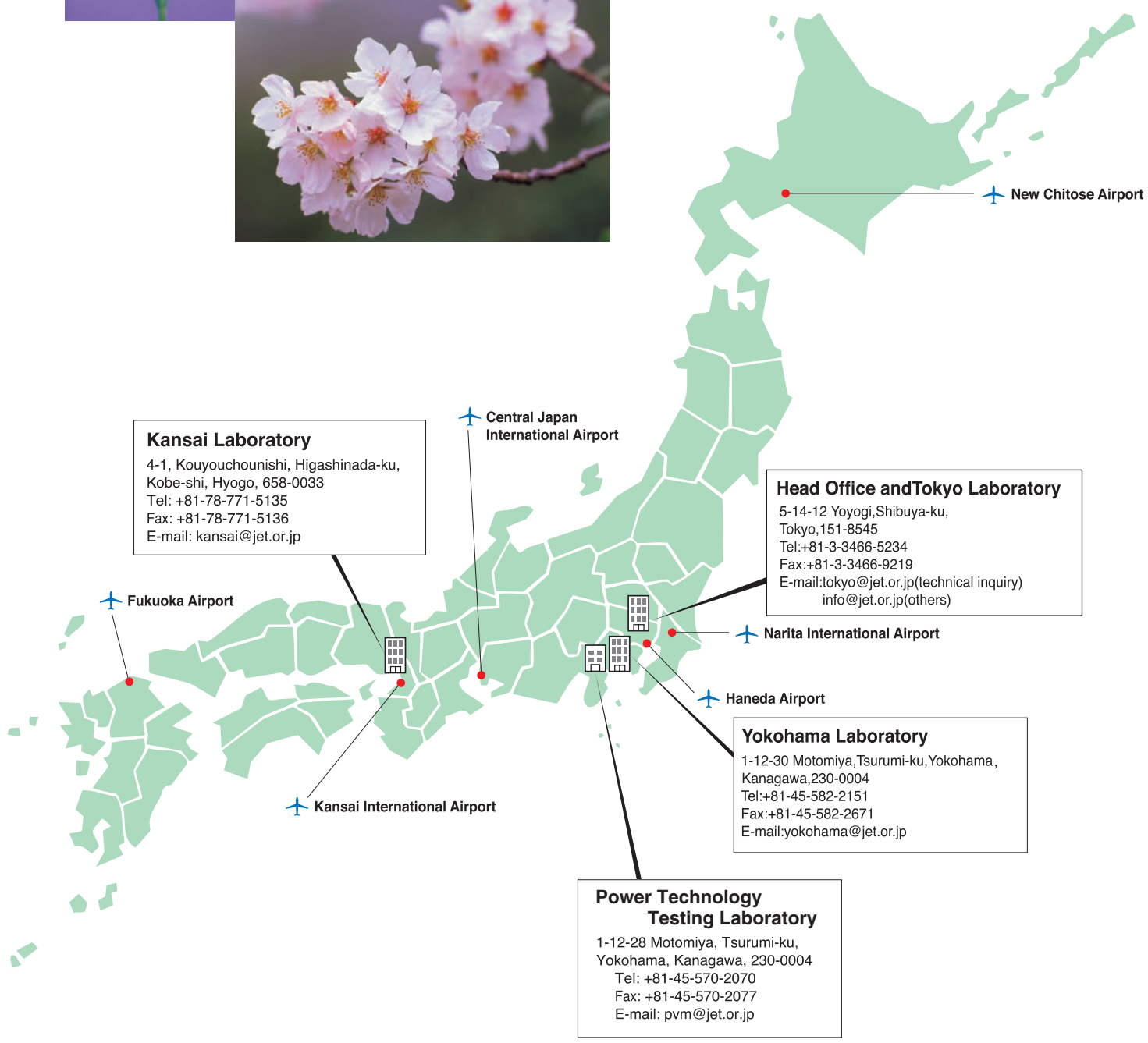
From the view of proper manufacturing, import/export, distribution and use of electrical products, JET publishes brochures to promote electrical safety and holds seminars to provide valuable information for domestic and overseas business entities (manufacturers, importers/exporters, and distributors), users (consumers) and municipal authorities.

Researches Services





Offices and Laboratories



Kansai Laboratory
 4-1, Kouyouchounishi, Higashinada-ku,
 Kobe-shi, Hyogo, 658-0033
 Tel: +81-78-771-5135
 Fax: +81-78-771-5136
 E-mail: kansai@jet.or.jp

Head Office and Tokyo Laboratory
 5-14-12 Yoyogi, Shibuya-ku,
 Tokyo, 151-8545
 Tel: +81-3-3466-5234
 Fax: +81-3-3466-9219
 E-mail: tokyo@jet.or.jp (technical inquiry)
 info@jet.or.jp (others)

Yokohama Laboratory
 1-12-30 Motomiya, Tsurumi-ku, Yokohama,
 Kanagawa, 230-0004
 Tel: +81-45-582-2151
 Fax: +81-45-582-2671
 E-mail: yokohama@jet.or.jp

Power Technology Testing Laboratory
 1-12-28 Motomiya, Tsurumi-ku,
 Yokohama, Kanagawa, 230-0004
 Tel: +81-45-570-2070
 Fax: +81-45-570-2077
 E-mail: pvm@jet.or.jp

Affiliated companies

<p>■ JET Technical Service Co., Ltd. 5-14-12 Yoyogi, Shibuya-ku, Tokyo, 151-8545 TEL : +81-3-3466-5237 / FAX : +81-3-3466-5122 http://www.jet-ts.co.jp/</p>	<p>■ Japan Electrical Testing Laboratory (Thailand) Co., Ltd. 46/173 Nuanchan Rd., Nuanchan Bungkum Bangkok 10230 Thailand TEL : +662-363-7767 to 9 Fax : +662-363-7770 http://www.jetthailand.co.th/</p>
---	--

JET

JAPAN ELECTRICAL SAFETY & ENVIRONMENT TECHNOLOGY LABORATORIES

<http://www.jet.or.jp/>