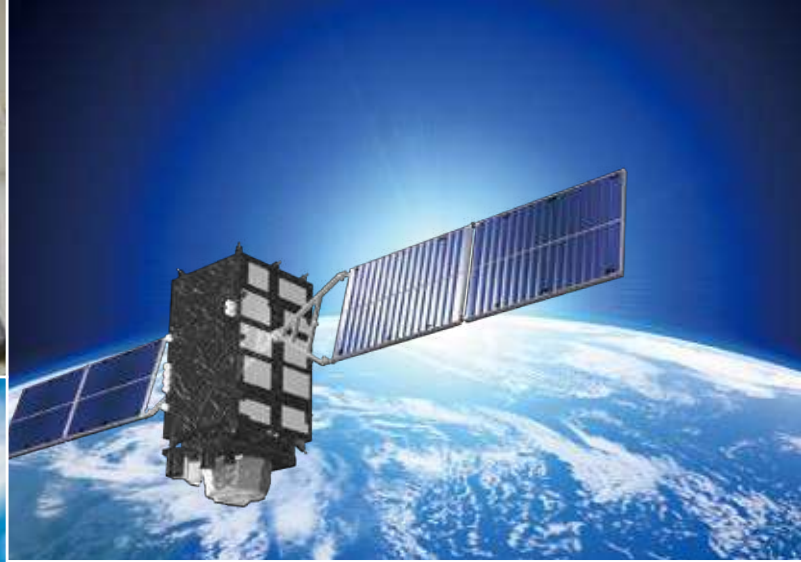
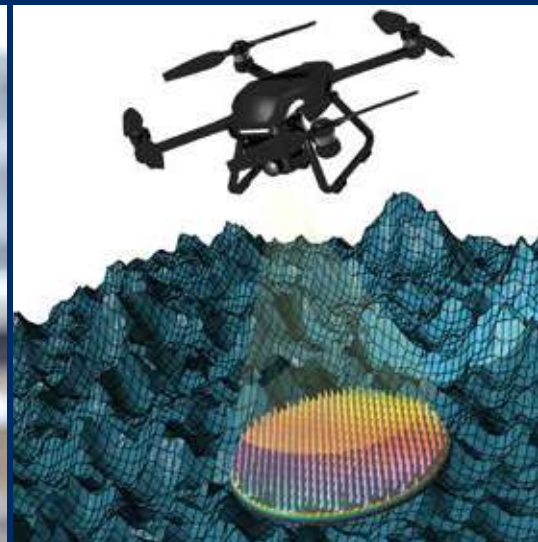




Public Interest Incorporated Association
Japan Association of Surveyors
Association Profile





Surveying and geospatial information technologies are essential to support an advanced information society.

The Japan Association of Surveyors is committed to developing human resources in a wide range of fields through surveying and geospatial information technologies.

What is the Japan Association of Surveyors?

The Japan Association of Surveyors was founded in 1951 as a membership organization for survey engineers by volunteers from government, academia, and industry, following the enactment of the Survey Act in 1949 and the creation of national qualifications for registered surveyors and assistant surveyors under that Act. The Association was certified as a public interest incorporated association by the Cabinet Office in 2013.

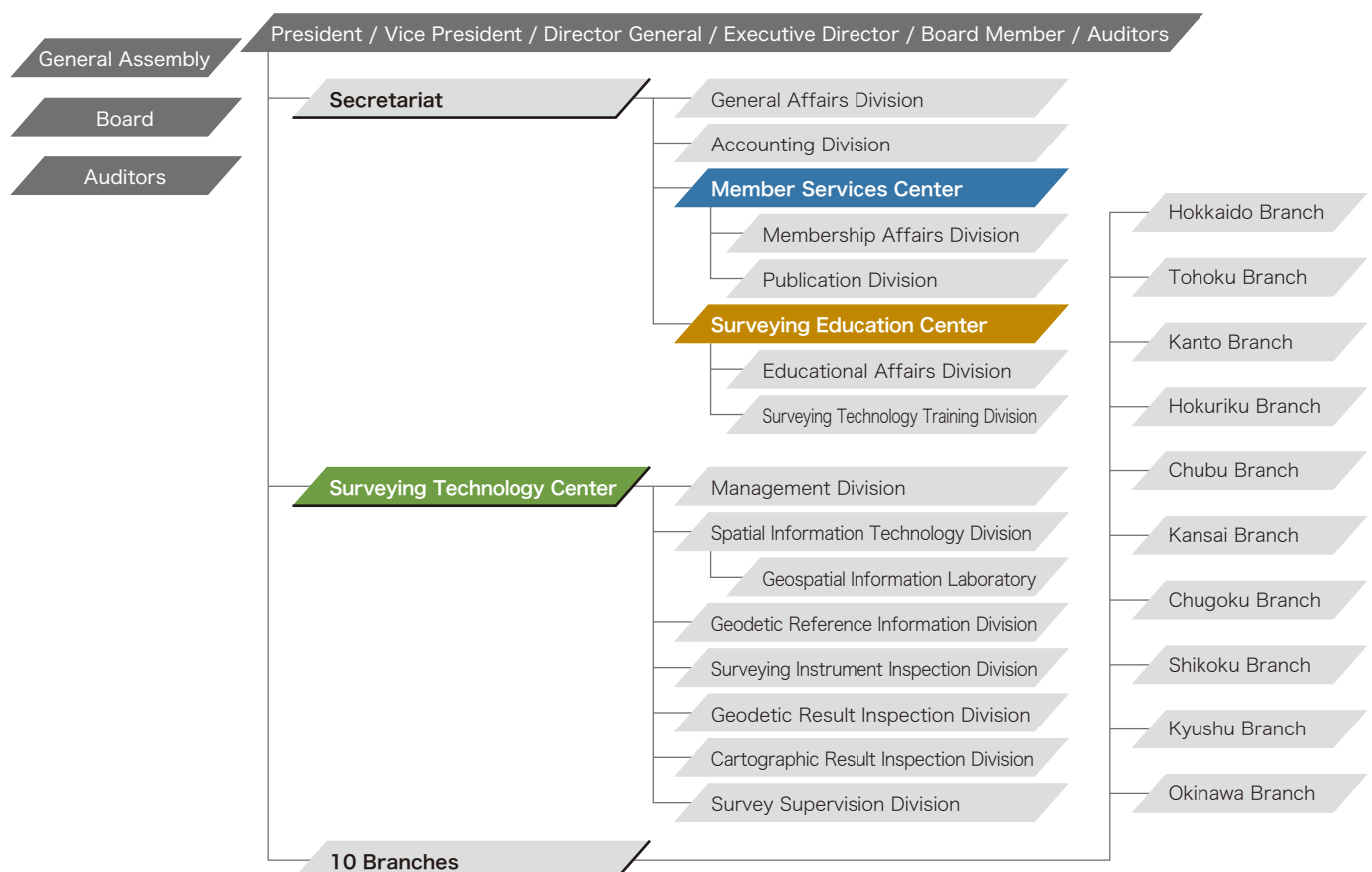
Purposes of the Association

The purposes of the Association are to conduct investigation and research in the fields of surveying and geospatial information and promote dissemination and development thereof, and moreover, to encourage the mutual friendship of its members and improve their social status, thereby contributing to the utilization, development, and conservation of the national land.

History of the Association

- **1951** The Japan Association of Surveyors founded (Jan 13). Vol. 1, Issue. 1 of monthly Journal of Survey published.
- **1952** Approved as an incorporated association by the Ministry of Construction on November 14.
- **1953** Workshops to learn surveying skills & technologies started.
- **1961** The Survey Result Inspection started.
- **1968** The Surveying Specialist Certification System launched.
- **1972** The Surveying Technology Center opened
- **1972** The Surveying Instrument Inspection started
- **1996** Tsukuba Office opened.
- **2002** Distribution Service of Real-time Data from GNSS CORSS (Continuously Operating Reference Stations) started
- **2004** The Surveying CPD (Continuing Professional Development) System introduced
- **2005** The Geospatial Information Supervising Engineer Certification System launched
- **2009** The Surveying Specialist Certification System changed to the Geospatial Information Specialist Certification System
- **2011** Designated as a Cooperative Academic Research Organization by the Science Council of Japan.
- **2013** Approved as a public interest incorporated association by the Cabinet Office.
- **2018** The Surveying Technology Center relocated to Tsukuba.

Organization chart



Activities for members

The Association publishes the monthly Journal of Survey to disseminate the surveying and geospatial information technology, promote the mutual friendship of its members, and improve their social status. It also publishes books on surveying technologies, certifies Professional Surveying Engineers, and provides education and other services to disseminate the latest surveying technologies through hosting of seminars, workshops, courses, and geospatial information forums.

Information dissemination services

The Association rapidly provides the latest information on the surveying industry.

Publication of the monthly Journal of Survey

As a specialized journal for people working in the fields of surveying and geospatial information, the Journal is filled with the latest technical information useful to survey engineers, from global topics to introduction of advanced technologies.

Operation of the website for members: Survey Information Portal

This website releases the latest survey information to the members.



Survey Information Portal



Monthly Journal of Survey

Publication services

The Association publishes and sells survey-related books.

Sale of survey-related books

The Association publishes and sells survey-related books, including an introductory book that explains the basic techniques of surveying in an easy-to-understand manner, national examination preparation books for qualifications of registered surveyors and assistant surveyors, practical books for survey engineers, and the Standards for Operation Specifications for Public Survey, along with the commentaries and practices for the same, as well as the instructions for the description of the same.

Sale of survey notebook paper

The Association sells various survey notebook forms (paper) based on public survey formats.

Survey-related books





Events, lectures, and other activities

The Association hosts events, presentations, and lectures to introduce cutting-edge technologies.

Geospatial EXPO, Geospatial Information Forum

The “Geospatial EXPO” has been held in collaboration between industry, government, and academia, to contribute to the creation of new services and industries through the use of geospatial information and the advancement and development of existing services. The Association has been involved in the operation of the event as a chair representing the industry and hosted a “Geospatial Information Forum.”

■Geospatial Information Forum

The Association introduces cutting-edge technologies and services that support the geospatial society of Japan through the exhibitions and hands-on events held by companies, organizations, and institutions at the “Geospatial EXPO”.



Geospatial EXPO (opening ceremony)



Geospatial Information Forum (exhibition booth)

Surveying and Geospatial Information Innovation Conference

The Conference serves as a venue for a wide range of discussions and information dissemination that contributes to the technological innovation in this field, including technologies related to surveying and geospatial information, the development of new businesses that utilize them, and human resource development, education, and training.

Research Meeting of Applied Survey Technology

Surveying not only plays a vital role in the development of geospatial information but is also expected to serve as a leader in promoting the utilization of geospatial information. Considering the current situation, the Association raises awareness of the usefulness of geospatial information and promotes its further utilization by annually publishing the Journal of Applied Survey Technology and hosting the Research Meeting of Applied Survey Technology.



Surveying and Geospatial Information Innovation Conference (venue)



Research Meeting of Applied Survey Technology (venue)

Activities for Surveying education

As an organization that plays a central role in the surveying industry, with pride and a sense of mission in supporting the lives and economy of the people, the Association certifies Geospatial Information Specialists, and Geospatial Information Supervising Engineers. The Association also provides ongoing education in surveying technologies by holding various seminars/workshops to improve the skills of survey engineers, and training courses to acquire national qualifications.

Certification services

Certification of Geospatial Information Specialists

The Association certifies survey engineers specialized in various fields who can conduct technical verification in accordance with the recent advancement of surveying technologies. Those who have passed the certification exams are highly evaluated by survey planning organizations and ordering agencies depending on the type of survey, such as basic survey, public survey, and other survey. Certified surveyors attend workshops and seminars and learn continuously to keep their knowledge and skills up to date. Then they take renewed courses every five years and renew their qualifications.

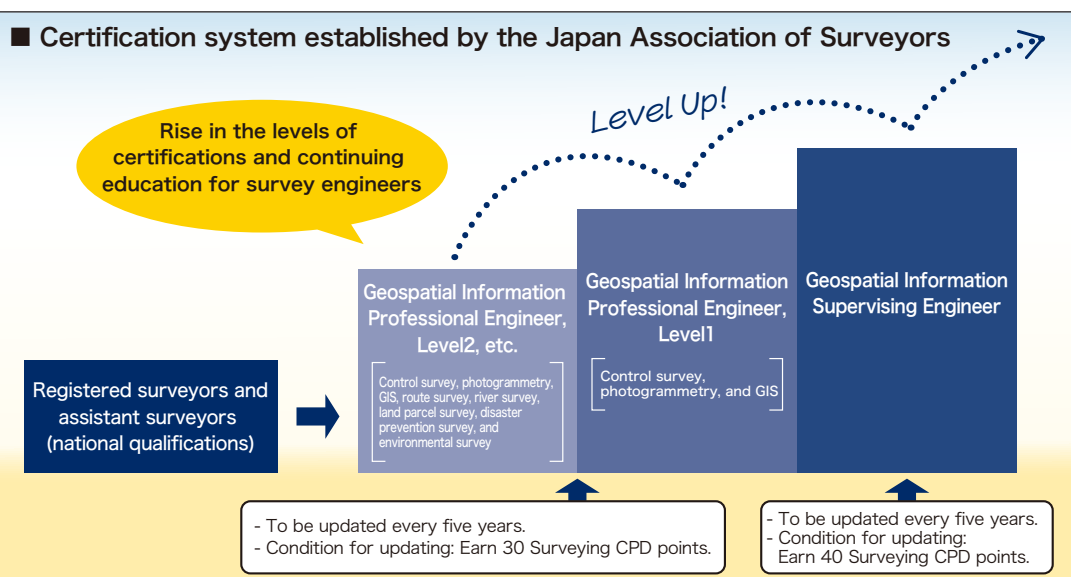


■Types of Geospatial Information Specialist

●Control survey, Level1, Level2 ●Photogrammetry, Level1, Level2 ●GIS, Level1, Level2 ●Route survey and design ●River survey and design ●Land parcel survey and investigation ●Disaster prevention survey ●Environmental survey

Certification of Geospatial Information Supervising Engineer

The certification of Geospatial Information Supervising Engineer reflects the background that the technical domain of surveying has evolved to cover technologies that deal with diverse information linked to spatial location information and that its scope of use is expanding from the national territory to social life. This qualification certifies engineers who have the skills to plan, propose, and supervise projects related to spatial information. They are required to update their qualifications every five years and to earn Surveying CPD points as a condition for updating them.





Seminar, workshop, and course services

Surveying technology workshop

The Association plans and holds various workshops and seminars to improve the skills of survey engineers and holds seminars/workshops and examinations for the certification of Geospatial Information Professional Engineers.

Survey Academy

The Academy strives to improve the skills and qualities of survey engineers by holding seminars to promote the collection and dissemination of Japanese and overseas surveying information, and the improvement of practical application skills of new technologies.

Training courses to acquire national qualifications

The Academy holds the following courses in preparation for the National Examination for Qualifications of Registered Surveyors and Assistant Surveyors, which is held every May.

■Correspondence correction course

(Designated by the Minister of Health, Labor and Welfare as part of the General Education and Training Benefits System: Provided for a period between December and May of the following year)

This course is set up so that participants may study through practical mock exam questions prepared by the instructors specialized in subjects, who have analyzed both the questions that have been asked over the years and those related to recent new technologies.

■Answering practice seminar

(held around March)

Mock exam questions are distributed in advance, and the seminar focuses on exam preparations through answer explanations and Q&A sessions on the day of the seminar.



Survey Academy
(3D measurement using UAV and its utilization)



Survey Academy
(3D measurement using UAV and its utilization)



Workshop for control survey course B
(leveling survey course)



Intermediate course in surveying and mapping
(Network RTK control survey course)

Surveying technology activities

In response to increasingly sophisticated surveying and geospatial information technologies, the Association uses highly reliable testing equipment and systems to inspect surveying instruments and survey results to ensure the quality of survey results. It also provides consulting services related to surveying and geospatial information with its reliable technologies from a neutral standpoint. In addition, the Association conducts investigations and research, commissioned by the national and local governments, corporations, etc.

Inspection services

The Association inspects surveying instruments and survey results, using its proven technologies and reliable equipment and systems.

Surveying Instrument Inspection

The high functionality and performance of surveying instruments used for control survey and other surveys, are extremely important in maintaining the accuracy of the survey results. In order to prevent equipment malfunctions from going unnoticed and resulting in significant surveying errors, surveying instrument inspection involves using testing equipment to check whether the inherent functions and performance of the surveying instruments are normal. For conforming surveying instruments, the Association issues “Surveying Instrument Inspection Certificates” along with inspection records.



Collimator equipment for surveying instrument inspection



Testing equipment for precision leveling rods



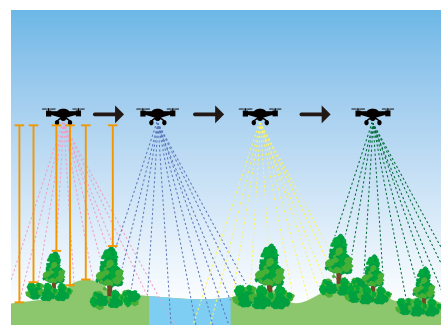
Reference baseline field for GNSS survey instruments

Survey Result Inspection

The survey results are used for the following purposes: planning, investigations, and surveying for projects such as the use of national territory, social infrastructure development, disaster prevention, and environmental conservation; GIS used for spatial analysis and facility management; and basic map information that provides positional reference to geospatial information on digital maps. As a result of the survey result inspection, the Association evaluates the survey results documented based on the operation and product specifications, and accurately identifies any defects and any issues that may arise in using the survey results.



Certificate and other attached documents of Survey Result Inspection



UAV laser surveying

Examinations of computer programs

The Association examines survey calculation programs to see whether calculations are processed according to the calculation formulas specified in the operation specifications, and whether accordingly reasonable results are obtained, by checking the flow charts of the programs and example calculation results.

Examination of performance of privately owned GNSS CORSs

The Association checks whether privately owned GNSS CORSs have been properly installed in accordance with the specification documents and quality assessment results, and evaluates and determines whether their installations meet the performance specified in the performance standards for privately owned GNSS CORSs.



Consulting services

The Association provides consulting services with its reliable technologies from a neutral standpoint.

Consulting services related to surveying and geospatial information

The Association provides investigations and research on surveying in general including new technologies, and technical advice and consultation as required by revisions to Standards for Operation Specifications for Public Survey. It has conducted investigations, research, and other related services, commissioned by the national and local governments, corporations, etc.

1 Investigations, research, etc. for surveying in general including new technologies

- (1) Surveying using GNSS CORSSs and investigations and introduction of new surveying methods into construction and civil engineering projects
- (2) Consulting on unmanned operation of large machinery in the agricultural and civil engineering fields and remote operation in disaster-stricken areas
- (3) Investigations and consulting on the advancement of surveying using satellite positioning systems
- (4) Investigations and introduction of new surveying methods using unmanned aerial vehicles (UAVs), terrestrial lasers, etc.



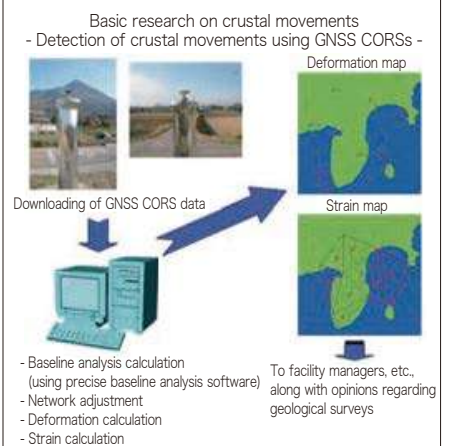
2 Technical advice and consultation as required by revisions to Standards for Operation Specifications for Public Survey

- (1) Investigations and data collection regarding revisions to Standards for Operation Specifications for Public Survey
- (2) Preparation of surveying operation specifications for various works, investigations, etc.
- (3) Preparation of documents for cost estimate in accordance with operation specifications and advice on production units of labor and materials



3 Investigations and analysis of crustal movements

- (1) Measurements and analysis of crustal movements
- (2) On-site investigations for installation of GNSS CORSSs



Research and development on geospatial information

The Association performs investigations, research, and technological development on the geospatial information used in GIS (geographic information system), CAD, etc. for the purpose of preparation in public surveys, etc. and supports the utilization and dissemination/promotion of the geospatial information by the national and local governments.

Survey supervision

Commissioned by survey planning organizations such as the national and local governments to supervise the various types of public surveys performed by contracted surveying operation organizations, the Association performs supervision services to ensure that the surveying works are properly conducted as specified in the contracts.

Construction Technology Review and Certification (surveying technologies)

The Association accurately reviews new technologies that have been developed and supports their dissemination.

As a member of the Consortium for Construction Technology Review and Certification, the Association objectively reviews and certifies the surveying technologies independently developed by the private sector, with the aim of increasing their reliability and promoting the spread of new technologies.



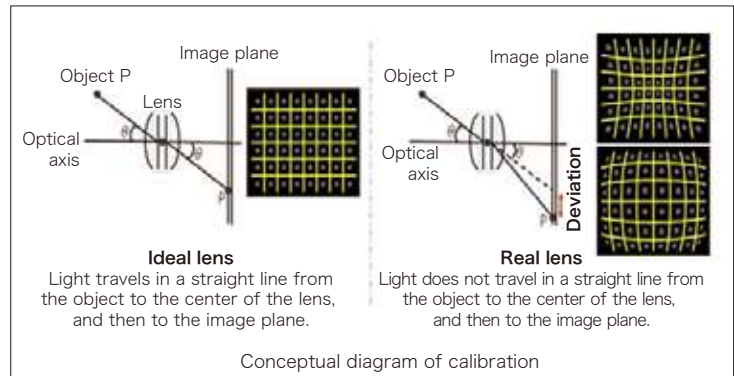
Consortium for Construction Technology Review and Certification

The Consortium for Construction Technology Review and Certification is working to maintain social credibility of the construction technology review and certification performed by its members, in order to help the private sector promote research and development and introduce new technologies into construction projects properly and rapidly, for the ultimate aim of contributing to the improvement of construction technologies.

Camera calibration service

The Association supports accurate measurements using consumer cameras.

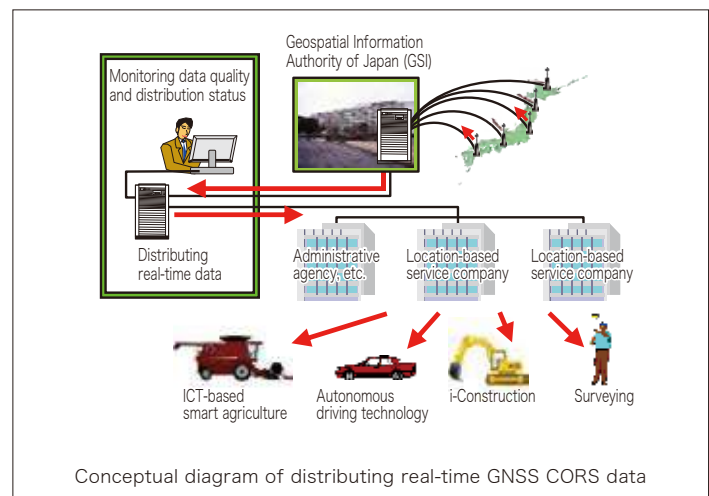
The Association uses Brown's model to analyze the internal orientation (focal length, principal point deviation, lens distortion), which is important when using consumer cameras for surveying, and evaluates their suitability for surveying. The analyzed internal orientation is used in photogrammetry adjustment calculations to stabilize the calculations and improve the adjustment accuracy.



Distribution Service of real-time data from GNSS CORSS

The Association supports the realization of a society capable of utilizing geospatial information in an advanced manner with its reliable technologies.

The Geospatial Information Authority of Japan (GSI) has selected the Association as an institution which distributes real-time GNSS CORS data to location-based service providers. We inspect the quality of the real-time GNSS CORS data to be distributed and monitor its distribution to ensure the reliability. Location-based service providers use the distributed data to provide diversified services, including i-Construction and vehicle management, as well as surveying. Furthermore, the data is expected to be used for new location-based services linked to information and communications technology (ICT).

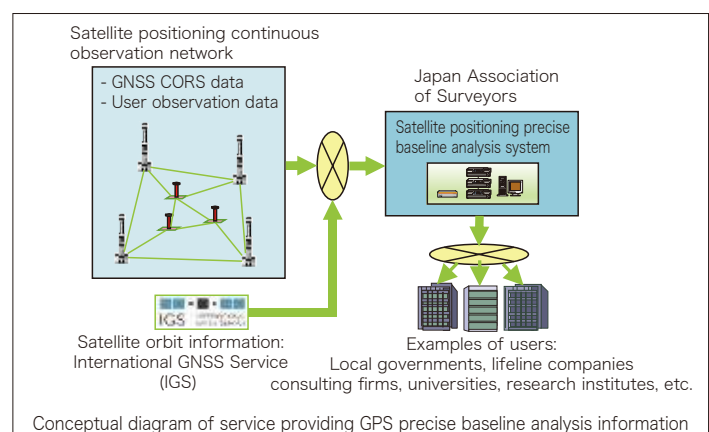


Quick Look Satellite Positioning Information

GPS Precise Baseline Analysis Information Providing Service

The Association supports the realization of a society capable of utilizing geospatial information in an advanced manner with its reliable technologies.

The GPS Precise Baseline Analysis Information Providing Service provides the information on crustal movements from a large area (nationwide) to a small area (up to several dozen meters) and the information on the displacements and movements of structures such as lifeline facilities, dams, long-span bridges and tunnels, in a short period of time (using satellite positioning observation data for 6 to 24 hours) through analysis in combination with the data observed at GNSS CORSS and GPS-based continuous observation stations installed by users. The information can be used in a variety of fields.



The Association also operates the secretariat
of the Surveying CPD Consortium,
which judges and evaluates competent survey engineers.

Surveying CPD system

CPD stands for Continuing Professional Development. This system allows surveyors to demonstrate to society the achievements (accumulated through self-improvement by attending training courses, seminars, workshops, etc.) in a visible manner by earning points. It is used by institutions (the national and local governments, etc.) that order surveying works as a criterion for evaluating competent and outstanding survey engineers.

Any survey engineer can participate in the Surveying CPD if the person makes efforts to improve his/her own quality and skills. No national or private qualifications are required.

The Association serves as the secretariat for the Surveying CPD Consortium consisting of 21 organizations, which operates the Surveying CPD. We manage a register of over 18,000 registered members and learning points and issue learning history certificates. If you are an individual member of the Japan Association of Surveyors, you can register for this program for free.



What makes it different (1)

Anyone can register.

Any survey engineer who is striving to improve his/her own quality and skill can register and participate in the Surveying CPD. No national or private qualifications are required for registration, and individual members of the Japan Association of Surveyors can register for free.

What makes it different (2)

You can collect points.

When you attend a seminar, workshop, etc., you can earn Surveying CPD points by applying to the Surveying CPD Consortium Secretariat for registration of your learning history (the standard for the number of points which can be earned from a learning program is one point per hour in the case of attending a workshop or seminar).

*Please check our website for details on certificates of attendance and fees.

What makes it different (3)

Examples of use for ordering

- Qualifications for bidding
Survey engineers who have earned Surveying CPD points are highly valued.
- Participation in bidding
Among the survey engineers to be assigned under the comprehensive evaluation bidding system, etc., those who have earned Surveying CPD points are highly valued.

What makes it different (4)

Ordering institutions using this program

- Geospatial Information Authority of Japan, Ministry of Land, Infrastructure, Transport and Tourism
- Regional Development Bureaus, Ministry of Land, Infrastructure, Transport and Tourism (Kanto Regional Development Bureau, etc.)
- Tokyo, Hyogo, and Nara Prefectures, Sapporo City, and other local governments use Surveying CPD points as a criterion for evaluation when ordering surveying works.

■ Note

“CPD” is not limited to surveying. There are other CPDs, such as CPD by the Japan Civil Engineering Consultants Association, the Japan Federation of Survey and Planning Associations, and the Japan Society of Civil Engineers. They are administered by different organizations. When registering for CPD to attend a seminar, workshop, training course, etc., it is important to check to which organization the CPD belongs.

Surveying CPD Consortium member organizations

Japan Association of Surveyors (JAS)
Association of Precise Survey and Applied Technology (APA)
Japan Map Center
Surveyor Education Center
Mapping Technology Association
Japan Federation of Land and House Investigators' Association
Japan Construction Information Center (JACIC)
Japan Federation of Survey and Planning Associations (JSP)
The Geodetic Society of Japan
Japan Society of Photogrammetry and Remote Sensing (JSPRS)
Geographic Information Systems Association (GISA)

Japan Cartographers Association
The Remote Sensing Society of Japan
Japan Land Survey Association
Mie Survey and Planning Association
Osaka Survey and Planning Association
Geospatial Information & Technology Association
Geographic Information System/Service
All Japan Survey Association
Japan Local Community Activation Support Organization
Cadastral Society Japan (CSJ)

Contact information

■ Japan Association of Surveyors (Location: 5th floor, Park Court Bunkyo Koishikawa The Tower, 1-5-1 Koishikawa, Bunkyo-ku, Tokyo, 112-0002)

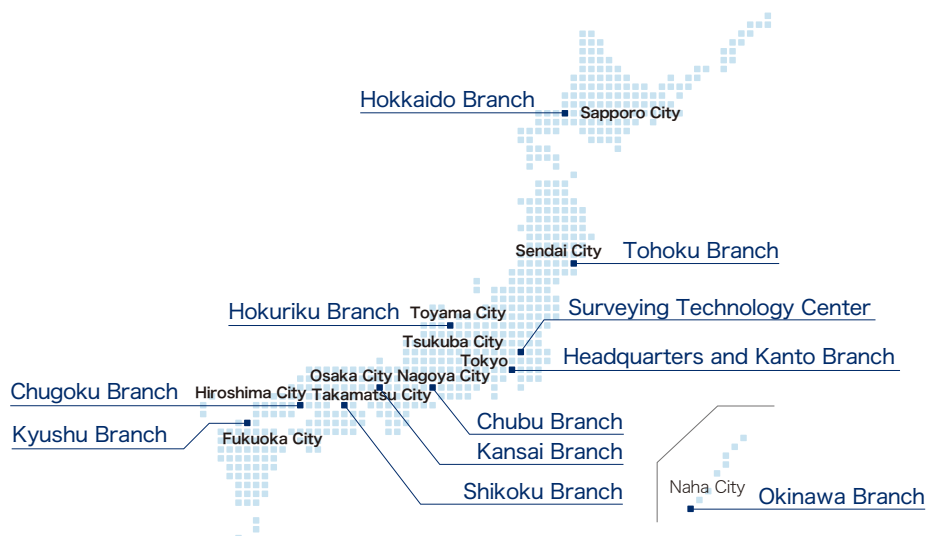
General affairs	General Affairs Division	soumubu@jsurvey.jp
Accounting affairs	Accounting Division	keiri@jsurvey.jp
Admission and other membership procedures, publication of monthly journal, holding of Geospatial Information Forums, etc.	Membership Affairs Division	kaiin@jsurvey.jp
Publication of survey-related books and survey operational specifications	Publication Division	kankou@jsurvey.jp
Surveying CPD	Educational Affairs Division	cpd@jsurvey.jp
Survey engineer education; Geospatial Information Specialist Certification; workshops, seminars, and training courses; correspondence courses, etc.	Surveying Technology Training Division	kyouiku@jsurvey.jp
Survey Academy, and Geospatial Information Supervising Engineer Certification	Surveying Technology Training Division	academy@jsurvey.jp

■ Surveying Technology Center (Location: B45-1 Katoridai, Tsukuba, Ibaraki 300-2657)

Management and contract relations	Management Division	manag@jsurvey.jp
Help desk on surveying	Quality Assurance Promotion Group	quality@jsurvey.jp
Consulting on surveying	Geodetic Reference Information Division	cons@jsurvey.jp
Distribution of real-time GNSS CORSs data	Geodetic Reference Information Division	data@jsurvey.jp
Examination of performance of privately owned GNSS CORSs	Geodetic Reference Information Division	cons@jsurvey.jp
GPS Precise Baseline Analysis Information Providing Service	Geodetic Reference Information Division	data@jsurvey.jp
Surveying Instrument Inspection	Surveying Instrument Inspection Division	inst@jsurvey.jp
Survey Result Inspection		
Control survey results	Geodetic Result Inspection Division	geod@jsurvey.jp
Digital topographic maps, photo maps, aerial laser surveys, and 3D point cloud surveys	Cartographic Result Inspection Division	topo@jsurvey.jp
Examinations of computer programs	Spatial Information Technology Division	devel@jsurvey.jp
Spatial information consulting / Construction Technology Review and Certification	Spatial Information Technology Division	devel@jsurvey.jp
Camera calibration service	Geospatial Information Laboratory	gis@jsurvey.jp

[Location map of headquarters, Surveying Technology Center, and branches]

The Association has a reliable network with 12 locations nationwide. Please feel free to contact us.



Website of the Japan Association of Surveyors:
<https://www.jsurvey.jp/>



Please visit the Association's website for the guide maps of the headquarters, Surveying Technology Center, branches, technology centers, etc.

Hokkaido Branch	Secretariat	hokkaido@jsurvey.jp	Kansai Branch	Secretariat	kansai@jsurvey.jp
	Technology Center	hokkaido-geo@jsurvey.jp		Technology Center	kansai-geo@jsurvey.jp
Tohoku Branch	Secretariat	touhoku@jsurvey.jp	Chugoku Branch	Secretariat	chugoku@jsurvey.jp
	Technology Center	tohoku-geo@jsurvey.jp		Technology Center	chugoku-geo@jsurvey.jp
Kanto Branch	Secretariat	kantou@jsurvey.jp	Shikoku Branch	Secretariat	shikoku@jsurvey.jp
	Technology Center	kanto-geo@jsurvey.jp		Technology Center	shikoku-geo@jsurvey.jp
Hokuriku Branch	Secretariat	hokuriku@jsurvey.jp	Kyushu Branch	Secretariat	kyusyu@jsurvey.jp
	Technology Center	hokuriku-geo@jsurvey.jp		Technology Center	kyushu-geo@jsurvey.jp
Chubu Branch	Secretariat	chubu@jsurvey.jp	Okinawa Branch	Secretariat	okinawa@jsurvey.jp
	Technology Center	chubu-geo@jsurvey.jp			

Remarks: (1) For inquiries regarding membership, publications, and surveyor training services, you can also contact any branch's secretariat (except for Kanto Branch).

(2) For inquiries regarding survey planning and supervision, surveying instrument inspection, and survey result inspection, you can also contact any branch's technology center (except for Okinawa Branch).

* The image of a satellite on the cover was created by processing an image on the Michibiki (QZSS) website (source: <https://qzss.go.jp>).