The Statue of Health was erected in front of the JISHA headquarters building in 1971, as a symbol of health in physical, mental and social areas, made of stainless steel.
Safety and Health Motif

The green cross motif was adopted at the first-ever Safety Week in 1928 as a symbol of safety activities. The white cross motif was then adopted at the 4th Industrial Health Week in 1953 to symbolize occupational health activities. In 1965, in order to underline the objective of pressing forward with safety and health as the unified concept, the two separate motifs were reworked and integrated into the safety and health motif that you see here.
The number of industrial accidents in Japan has been steadily decreasing in the long term. However, it increased for three consecutive years, starting in 2010. In 2013, we finally saw a decrease, but it did not last long, as the upward trend returned in 2014. This is an extremely alarming situation.

There are several factors behind the recent increase in industrial accidents: greater volume of construction work and freight transport due to reconstruction demand and the associated higher industrial activity since the Great East Japan Earthquake; safety and health management systems deteriorating as organizations struggle with the difficult business climate; problems with handing down safety and health know-how as baby boomers continue to retire; and growing risks associated with an aging workforce and the low sensitivity to danger of younger workers. What is more, new problems to be solved are appearing one after the other, including an increasing number of workers with mental health problems due to work stress and health impairment due to chemicals.

In the tertiary sector of the economy, there has been a substantial increase in industrial accidents such as falls and lower back pain—to the point where they account for approximately 40% of all industrial accidents. The majority of industrial accidents now occur at small and medium-sized workplaces.

In light of these circumstances, the Japan Industrial Safety and Health Association is working hard on measures for small and medium-sized enterprises, which are the foundation of the Japanese economy. These measures include offering a program in which experts provide free advice to businesses in the tertiary sector and businesses with small and medium-sized workplaces in manufacturing and in the tertiary sector as well as establishing safety and health consultation offices to help resolve worries.

In the international arena, we pursue exchange and cooperation with international organizations such as the International Labour Organization (ILO), and I believe that it is important for us to participate in undertakings within the region covered by the Asia-Pacific Occupational Safety and Health Organization (APOSHO), whose annual conference I attended. Additionally, in light of economic globalization, we will step up support for Japanese companies that are venturing overseas.

On August 1, 2014, JISHA marked its 50th anniversary. We are taking this occasion to recommit ourselves to coordinating with government policies, joining forces with people from all quarters, and giving every effort to reducing industrial accidents, in order to do a better job meeting the demands of companies and workplaces.

We feel it is important, in actively carrying out the above efforts, to widely convey information in and outside Japan about our endeavors. Accordingly, we have published this Annual Report 2014, which describes the status of our initiatives. We hope you find it useful.

August 2014

Hideaki Sekizawa
President of JISHA
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Introduction to The JISHA

JISHA, which was established in 1964 under the Industrial Accident Prevention Organizations Act, is a legal entity whose membership consists of employers’ associations, with associate members of employers. JISHA’s overall objective is to help prevent work-related accidents and injuries and protect health of workers by promoting safety and health efforts undertaken by employers, and by offering Occupational Safety and Health (OSH) guidance and services. JISHA’s major activities are listed below.

• Promoting industrial accident preventive efforts undertaken by employers
• Establishing and administering facilities for education and technical guidance
• Providing technical guidance and assistance
• Collecting and disseminating OSH information and documents
• Conducting research, surveys and public relation services
• Operating programs entrusted to JISHA by the government, including studies of the impact of toxic chemicals on humans

In the 1960’s, industrial accidents much occurred and the situation at that time was on at worst level, ultimately, the number of industrial accidents came up the highest ever. Under this circumstance, the government enacted the Occupational Safety and Health Act in 1972 to take comprehensive measures to resolve problems and to improve status. Until now, the situation has much improved by efforts of those concerned, based on the said law and measures of JISHA.

However, many problems and issues have still existed and new ones are taking place. The JISHA will tackle these tasks in cooperation with relevant organization/institutes including the government by the following activities.
Overview of JISHA’s Core Activities

In 2013 the number of work-related fatalities was 1,030 (person, and so forth) compared with the previous year a decrease of 63 (-5.8%). Also the sum of fatalities and injuries requiring 4 or more days off from work was 118,157, compared with that a decrease of 1,419 (-1.2%).

The sum of occupational diseases requiring 4 or more days off from work was 7,310 and the rate of abnormal findings in periodical medial examinations was 53%, both of them were stuck at high level. (see the statistics in the appendix )

Contributing to prevent occupational accidents, diseases, and to secure OSH for workers, JISHA undertakes the core activities described below.

1. Support for introduction of risk assessment (RA) and establishment of OSH management systems (OSHMS)

   (1) In response to enterprises’ demand for skilled manpower that will immediately be useful in the field of RA and OSHMS, JISHA organizes a set of seminars ranging from a fundamental course covering a basics of RA to a more sophisticated course which teaches how to introduce, operate, and audit OSHMS in the workplace.

   Furthermore, JISHA implements training courses on RA and risk reduction relating to machinery and equipments in accordance with the Guidelines for the Comprehensive Safety Standards of Machinery, established by the Ministry of Health, Labour and Welfare of Japan (MHLW) and the international standards (ISO 12100, etc.). It also implements RA training courses on chemical substances for preventing explosions and fires as well as health impairment.

   (2) Upon request from enterprises, JISHA sends experts to workplaces to give employers a set of advice necessary for implementing RA as well as introducing or establishing OSHMS appropriately.

   JISHA also conducts the certification service based on the JISHA OSHMS Standards System in accordance with the guideline of the MHLW and the International Labour Organization (ILO).

2. Expansion of OSH education for strengthening on-site capacity

   (1) JISHA organizes OSH trainings/seminars, targeting each rank of people in enterprises, corresponding to each level: OSH Top Seminars designed to help top managers learn importance of OSH management in business; trainings designed to help newly employed staffs, foremen, OSH-responsible staffs learn practical know-how and techniques about OSH affairs corresponding to each role and duty. JISHA also dispatches experts to enterprises upon their requests to provide technical advice or to help organize in-house training.

   (2) The OSH Education Centers in Tokyo and Osaka respectively run a variety of OSH technical training courses for OSH trainers/instructors of enterprises.

   (3) The Zero-Accident Campaign is a culture-oriented activity that places priority on OSH and aims to realize a lively workplace. Based on philosophy of respect for human beings, all of top managers, supervisors and employees are to participate in industrial-accident preventive activities at each workplace, striving to find solutions by themselves and to attain “zero accidents” as their ultimate goal. Currently, JISHA is promoting campaigns more aggressively.

   (4) In order to promote the Zero-Accident Campaign across the country, JISHA organizes a set of
seminars, trainings: seminars for top managers who are planning to introduce the campaign activities in enterprise; seminars for line managers who are primarily responsible for the campaign in the workplace based on zero-accident theory and practice; and training for KYT trainers who will educate leaders of KYT activities or hazard-prediction activities in the workplace. Recently, in addition to the above-mentioned activities, JISHA implements KYT training focusing on safety driving and on medical actions as well.

3. Physical health promotion and mental health support

(1) In order to promote both physical and mental health of people in the workplace, JISHA implements in fostering instructors and practitioners of enterprises in the field of physical exercise, nutrition guidance and health guidance, counseling as well as organizing seminars to support actual activities at site and sending experts to enterprises upon request for in-house health promotion training.

(2) Besides, in order to promote mental health measures in the workplace, JISHA runs several types of on-site seminars including training for staffs who will be involved in mental health issues at their work place, and those designed to help supervisors or OSH staffs learn approaches and techniques required to their specific responsibilities. JISHA, as in the case above, sends experts to enterprises upon their requests to help arrange in-house training. In addition, it provides a JISHA health-advice service that has been developed in the form of health guidance tools to promote workers’ self-awareness.

4. JISHA’s on-demand technical services

(1) Upon request from enterprises, JISHA sends experts such as safety/health officers to the workplace to diagnose issues relating to OSH management of production facilities and processes, operation methods, and workplace environments, and to give employers necessary advice on problems.

(2) In addition, upon request from enterprises and etc., JISHA provides technical support for non-regulated hazardous chemicals, including preparation of SDS compliant with GHS, hazard assessment based on hazard statement, advice for setting occupational exposure limit, exposure measurement, etc.

(3) Regarding working conditions stipulated by law and rule, JISHA conducts measurements of dust, lead, noise, intensity of illumination for VDT work, velocity control of local exhaust ventilation systems, and status of use of organic solvents and specified chemical items. Based on the measurement results, JISHA proposes countermeasures to improve conditions, or sends experts to enterprises to help with in-house training.

(4) JISHA analyzes worker’s blood, urine, or hair to detect chemical substances. It also conducts analysis of airborne and material-embedded free silicic acid (free silica) and asbestos, and airborne toxic substances including metals and organic solvents. Recently requests for analysis of rare metal indium in the serum have been on the increase.

(5) JISHA provides a series of guidance/advice from gap analysis to implementation of appropriate measures for improving OSH issues for small and medium-sized (SME) enterprises.

5. Production and distribution of publications and other items; provision of the latest OSH information; and public relations and educational activities

(1) JISHA issues monthly magazines and other publications, and produces and sells posters and other
OSH-related goods.

(2) JISHA offers people information relating to “The East Japan Earthquake and Tsunami” on its website.

(3) Every autumn, JISHA holds the National Industrial OSH Convention. In addition to ceremonial events including award ceremonies, presentation of OSH activities and good practices for improvement in the enterprises, special lectures and symposia by experts are organized. Participants have opportunities to learn the latest OSH information and knowledge as well as OSH practical experience from others.

(4) JISHA provides the latest information on OSH protective equipment and devices at the Green Cross Exhibition, which it holds concurrently with the National Industrial Safety and Health Convention.

6. International cooperation

(1) JISHA promotes international exchanges with overseas OSH organizations in the form of receiving guests or attending international meetings such as World OSH Congress and the Asia Pacific Occupational Safety and Health Organization (APOSHO).

(2) JISHA organizes the JISHA OSH Seminar annually to provide technical cooperation for overseas OSH organizations. In addition, it arranges training courses on OSH policy-related affairs, on commission from the Japan International Cooperation Agency (JICA) and ILO/ROAP. Besides it dispatches lectures on request of OSH organizations.

7. Investigation of chemical substances for toxicity and safety testing

On commission from the government and private companies, the Japan Bioassay Research Center conducts a variety of animal toxicity tests on chemical substances and mutagenicity tests using microorganisms and cultured cells, and provides them with the resulting data.
Program Contents

1. Proactive Development of Programs Relating to Risk Assessment (RA) and OSHMS

Risk assessment (RA) is the string of practice of identifying hazards to people or potential sources of harmful effects, estimating their effects (risks), and eliminating or reducing unacceptable risks.

Occupational Safety and Health management system (OSHMS) is the system for achieving specific organizational goals set out in an OSH policy made by top management, creating a concrete plan for achieving those goals, and ensuring that works together toward the goals with making each individual fully play his or her part. PDCA (plan-do-check-act) cycle is regarded as an effective tool for implementing the system.

(1) Expansion of RA and OSHMS programs

The revised Industrial OSH Act, which went into force in April 2006, stipulates, without penalty, that employer should make an effort to implement RA. JISHA conducts the following training courses in order to develop human resources needed to implement RA based on the Guidelines for Risk Assessment published by the MHLW in March 2006, besides that, in order to introduce, set up, and operate OSHMS properly based on the Revised Guidelines for OSH Management Systems, published by the MHLW. Figure 1 below shows the Flowchart of RA.

Table 1 on the next page shows these training courses held in fiscal 2013.

(a) Practical risk assessment training course for OSH staff members

A training course on proper procedures for RA, implementation method and creation of RA system, targeting OSH staff members and others who will play main roles in introduction of RA system and improvement of its implementation procedures

(b) Risk assessment training course for workplace leaders

A training course on practical procedures for RA in the workplace with a focus on exercises, targeting managers, supervisors and workers who actually identify risks and hazards and implement risk assessment/evaluation in the workplace based on RA system

(c) Risk assessment brush up training course

A training course on following up to support an effective or sustainable effort of RA, targeting OSH staff members or others at the workplace where RA system has been introduced

(d) Learning risk assessment through exercise training course

A training course on specific case study exercises to deepen understanding of RA system, targeting workers on-site, corresponding to the needs of workplaces where RA system has been operated

(e) Management system leader training course

A training course on proper establishment and implementation of OSHMS based on the OSHMS
(f) Practical management system auditing training course
A training course on proper implementation of OSHMS auditing based on the OSHMS guidelines, targeting OSH staff members who will play main roles in OSHMS auditing, in creating the framework and improving implementation structure of OSHMS.

(g) OSHMS internal auditor training course
A training course on practical procedures of OSHMS internal auditing, targeting persons who will actually be in charge of internal auditing of OSHMS.

(h) System audit level up training course
A training course on improvement of quality of auditing, targeting internal auditors at site where OSHMS has been operated.

(i) Practical OSH training course for operating OSHMS
A training on how to acquire practical OSH activities procedures by making full use of OSHMS, targeting OSH staff members or others at the workplace where OSHMS has been introduced or are being considered to be introduced.

(j) Training of risk assessment with the study of civil liability claim case
Explain function of RA for prevention of accident and voluntary OSH method with the study of lost case in civil liability claim.

Fig. 1: Flowchart of RA

Table 1: RA/OSHMS Training Courses in Fiscal 2013

<table>
<thead>
<tr>
<th>Training course</th>
<th>Number of times</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Practical risk assessment training for OSH staff members (RA)</td>
<td>77</td>
<td>2,217</td>
</tr>
<tr>
<td>b. Risk assessment training course for workplace leaders (RA)</td>
<td>47</td>
<td>1,462</td>
</tr>
<tr>
<td>c. Risk assessment brush up training (RA)</td>
<td>9</td>
<td>76</td>
</tr>
<tr>
<td>d. Learning risk assessment through exercise training (RA)</td>
<td>8</td>
<td>68</td>
</tr>
<tr>
<td>e. Management system leader training (OSHMS)</td>
<td>19</td>
<td>342</td>
</tr>
<tr>
<td>f. Practical management system auditing training (OSHMS)</td>
<td>13</td>
<td>203</td>
</tr>
<tr>
<td>g. OSHMS internal auditor training (OSHMS)</td>
<td>42</td>
<td>1,091</td>
</tr>
<tr>
<td>h. System audit level up training (OSHMS)</td>
<td>1</td>
<td>9</td>
</tr>
<tr>
<td>i. Practical safety and health training course for operating (OSHMS)</td>
<td>7</td>
<td>50</td>
</tr>
<tr>
<td>j. Training of risk assessment with the study of civil liability claim case (RA)</td>
<td>1</td>
<td>28</td>
</tr>
<tr>
<td>Total</td>
<td>224</td>
<td>5,546</td>
</tr>
</tbody>
</table>

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Japan Industrial Safety and Health Association
JISHA also sends expert to the workplace that are planning to introduce or are in the process of establishing OSHMS, to provide 81 on-site training courses, 56 OSHMS total support services, and other services.

In addition to the training courses shown in the table 1, JISHA conducted one comprehensive management system training course and one JISHA OSHMS Standards certification auditor training courses.

(2) JISHA OSHMS Standards Certification service

JISHA conducts the JISHA OSHMS Standards Certification service. The certification criteria follow the guideline of MHLW and that of the ILO. The certification is based on an investigation that includes whether management system established at the workplace contributes to improve OSH level, whether OSHMS has been set up properly, and whether it is operated appropriately to produce step-by-step improvement in OSH performance. In fiscal 2013, JISHA certified 13 new workplaces and renewed certification for 61 workplaces, bringing the number of JISHA-certified workplaces to 357. Among them there are seven outside Japan—Taiwan, Thailand and China.

Now that it has been over ten years since JISHA started the OSHMS certification service, improvement in occurrence status of industrial accidents can be seen as effect of acquiring the OSHMS certification. Figure 2 below shows the change in accident rate per 1,000 persons of the average of 129 JISHA-certified workplaces 2003-2008. Despite the fact that they were, even before acquiring the OSHMS certification, of high OSH level with a low accident rate, 3 years before certification, 3 years after the first certification and that 3 years after the renewal, each of their three-year average rate of accidents requiring 4 or more days off from work has certainly declined after certification, which indicates the effect of OSHMS introduction.

Fig. 2: Change in accident rate per 1,000 persons in 129 certified and renewed workplaces that acquired JISHA Certification in 2003 ~ 2008
(3) Enhancement of assistance in RA of chemical substances and of machinery and equipment

JISHA provides a comprehensive set of services relating to chemical substances, ranging from RA to risk reduction measures. Furthermore, it holds a variety of training courses on control of chemical substances. Its other services include assistance in implementing details of RA, preparation of SDS compliant with GHS, and analysis and measurement for exposure assessment.

Regarding machinery and equipment, JISHA helps ensure an intrinsic safety measure of machinery at workplaces through RA and risk reduction based on three-step method to be taken by machinery manufacturers and users from their standpoints respectively. The various training courses are arranged so that trainees can, step by step, study safety techniques classified by occupation that are compliant with the guidelines of the MHLW and international standards applicable on site.

Upon request from enterprises, JISHA also provides on-site training programs on chemical substances and machinery/equipment.

Table 2 shows the training courses on control of chemical substances, and safety management of machinery and equipment held in fiscal 2013.

Table 2: Training Courses on Control of Chemical Substances and Safety Management of Machinery and Equipment in Fiscal 2013

<table>
<thead>
<tr>
<th>Training course</th>
<th>Number of times</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Basic training to develop management staff for chemical substances</td>
<td>6</td>
<td>231</td>
</tr>
<tr>
<td>2. Training on basic understanding on SDS</td>
<td>4</td>
<td>94</td>
</tr>
<tr>
<td>3. Training on how to make SDS of a mixture</td>
<td>3</td>
<td>83</td>
</tr>
<tr>
<td>4. Simple risk assessment training by MHLW method</td>
<td>3</td>
<td>45</td>
</tr>
<tr>
<td>5. Chemical risk assessment expert training to prevent explosions and fires</td>
<td>1</td>
<td>13</td>
</tr>
<tr>
<td>6. Chemical risk assessment practical training to prevent explosions and fires</td>
<td>2</td>
<td>38</td>
</tr>
<tr>
<td>7. Chemical risk assessment expert training to prevent health impairments</td>
<td>1</td>
<td>14</td>
</tr>
<tr>
<td>8. Chemical risk assessment practical training to prevent health impairments</td>
<td>4</td>
<td>63</td>
</tr>
<tr>
<td>9. Chemical risk assessment exercise training to prevent explosions and fires/health impairments</td>
<td>1</td>
<td>7</td>
</tr>
<tr>
<td>10. Advanced OSH expert training</td>
<td>3</td>
<td>31</td>
</tr>
<tr>
<td>11. Seminar on chemical management (latest trend of regulations on chemical management and introducing approaches to information sharing regarding the supply chain)</td>
<td>1</td>
<td>19</td>
</tr>
<tr>
<td>12. Training of dioxin operation supervisors</td>
<td>16</td>
<td>563</td>
</tr>
<tr>
<td>13. Training on prevention of machinery disaster for supervisors</td>
<td>5</td>
<td>91</td>
</tr>
<tr>
<td>14. Training on prevention of machinery disaster for safety staff</td>
<td>14</td>
<td>201</td>
</tr>
<tr>
<td>15. Risk assessment practical training on machinery and equipment</td>
<td>3</td>
<td>49</td>
</tr>
<tr>
<td>16. Exercise training on machinery and equipment safety</td>
<td>4</td>
<td>106</td>
</tr>
<tr>
<td>17. Over all risk assessment training on machinery and equipment</td>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>18. Training on prevention of machinery disaster start with residual risk information</td>
<td>10</td>
<td>156</td>
</tr>
<tr>
<td>19. Training on specified self inspection guidelines for power presses</td>
<td>11</td>
<td>374</td>
</tr>
<tr>
<td>20. Advanced training for power presses operation supervisors</td>
<td>2</td>
<td>33</td>
</tr>
<tr>
<td>Total</td>
<td>95</td>
<td>2,231</td>
</tr>
</tbody>
</table>

In addition, JISHA conducted 5 on-site training courses on control of chemical substances and 4 courses on machinery and equipment.
(4) SME Enterprise Certification service
JISHA has started, in FY2013, new service “OSH Certification for Small-Medium sized Enterprise” so-called “JISHA Good Safety Company (GSC)” which evaluates basic OSH activities and its fundamentals to sustain it in order to support autonomously effort of SME to improve their OSH activities, thereby it certified 65 enterprises.

2. Promotion of OSH Education

(1) A broad arrangement of training and education programs, plus instructor dispatch
Firstly, based on the concept that OSH of workers must be ensured by the initiatives of top management, JISHA offers the “Top Seminar on OSH”. This seminar, targeting the management of companies, includes lectures on OSH basic information including the latest issues such as mental health as well as lectures on relevant laws and regulations of those topics. Participants of the Top Seminar also have opportunities to exchange information with the management of other companies.

Secondly, targeting line managers, supervisors, OSH staffs, and newly employed staffs, JISHA provides training courses with lectures and discussions in order to acquire OSH knowledge corresponding to each level. Furthermore, it conducts training courses on particular topics such as understanding of relevant laws and regulations, prevention of human errors, preparation and implementation of operation procedures, and safety patrol in the workplace, etc.

In fiscal 2013, JISHA held 326 seminars and training courses, which were attended by 9,546 people (see table 3).

Table 3: Seminars and Training Courses in Fiscal 2013

<table>
<thead>
<tr>
<th>Training course</th>
<th>Number of times</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Top Seminar on Occupational Safety and Health (for executives)</td>
<td>2</td>
<td>66</td>
</tr>
<tr>
<td>2. Seminar for General manager for safety and health</td>
<td>5</td>
<td>105</td>
</tr>
<tr>
<td>3. Safety and health management training</td>
<td>73</td>
<td>2,684</td>
</tr>
<tr>
<td>4. Education for foremen (including staff responsible for safety and health)</td>
<td>83</td>
<td>1,758</td>
</tr>
<tr>
<td>5. Seminar for Industrial Hygienist</td>
<td>12</td>
<td>258</td>
</tr>
<tr>
<td>6. Special education for nuclear decontamination works, etc. (including supplementary class)</td>
<td>20</td>
<td>803</td>
</tr>
<tr>
<td>7. Education for operation leaders of nuclear decontamination works, etc.</td>
<td>13</td>
<td>587</td>
</tr>
<tr>
<td>8. Special education for accident-derived industrial waste disposal, etc.</td>
<td>4</td>
<td>102</td>
</tr>
<tr>
<td>9. Seminars to acquire basic and practical knowledge and skills</td>
<td>98</td>
<td>2,547</td>
</tr>
<tr>
<td>10. Heat stroke prevention seminar, etc.</td>
<td>9</td>
<td>348</td>
</tr>
<tr>
<td>11. Seminar for brush up Safety and Health</td>
<td>5</td>
<td>211</td>
</tr>
<tr>
<td>12. Safety measures on diving operation</td>
<td>2</td>
<td>77</td>
</tr>
<tr>
<td>Total</td>
<td>326</td>
<td>9,546</td>
</tr>
</tbody>
</table>
(2) Instructor training for OSH education

The OSH Education Centers were established in Tokyo and Osaka to train trainers, instructors and others who are responsible for OSH education conducted by enterprises, as well as OSH advisers and promoters. Both centers were established by the Ministry of Labour (currently the MHLW) and are now operated by JISHA.

The OSH Education Centers distinguish themselves by offering highly practical education under the guidance of experienced experts and offer cutting-edge education facilities, and provide an environment in which trainees seek to compete against and emulate each other by living communally. The centers conduct a wide variety of training programs including RST, which is the MHLW standard training for OSH education trainers. After completing the education and training courses, trainees help raise OSH levels at enterprises and other organizations not only as trainers and instructors but also as production line supervisors and OSH staff members.

In fiscal 2013, both Centers held in total of 358 training courses, received for a total number of 5,763 participants.

(3) Assistance to SME enterprises and tertiary industries

JISHA support SME enterprises, social welfare facilities, and tertiary industries (i.e. retailing, etc.). It provides a series of basic/practical training for staff concerned for improving OSH situation in the workplace.

Table 4: Shows the courses for SME enterprises

<table>
<thead>
<tr>
<th>Training course</th>
<th>Number of times</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safety for the workplace of social facilities</td>
<td>9</td>
<td>240</td>
</tr>
<tr>
<td>Introduction of 5S and KYT for safety</td>
<td>8</td>
<td>83</td>
</tr>
<tr>
<td>Safety and Health experience seminar</td>
<td>11</td>
<td>198</td>
</tr>
</tbody>
</table>

3. Expansion of the Zero-Accident Campaign

JISHA began to advocate the Total Participation Zero-Accident Campaign in 1973 and has been promoting it ever since. The campaign is based on the spirit of respect for human beings which holds the idea that “each person is an indispensable being,” as expressed in three basic principles: (1) “the principle of zero-accidents,” which requires that all kinds of danger in every person’s daily life, not limited to the dangers lurking at workplaces and in jobs, be detected, comprehended, and resolved, and which is aimed at stamping out all accidents including industrial accidents, occupational diseases, and traffic disasters; (2) “the principle of pre-emptive action,” which requires detection, comprehension, and resolution of all dangers (and problems) hidden in workplaces and in jobs before one starts action and thereby prevents accidents and disasters; and (3) “the principle of participation,” in accordance with the idea that top management, supervisors, staff members, and rank-and-file workers cooperate and act to resolve problems in their respective positions through self-initiated endeavors.

In order to spread and expand the Total Participation Zero-Accident Campaign, focusing on the principles and techniques, aiming to put those into practice, JISHA holds: “the Zero-Accident Total Participation Campaign Top Seminar” for executives,

“the Zero-Accident Total Participation Campaign Program Training” for line managers and supervisors,

“the KYT (Kiken Yochi, or hazard-prediction, training) Trainer Training”,

Japan Industrial Safety and Health Association
“the KYT Training for Medical Care Safety” primarily for safety supervisors at medical institutions, “the Traffic KYT Training” primarily for driving safety supervisors, and “the Training for line managers on improving coaching skills for strengthening on-site capacity”.

To prevent occupational accidents, it is also vital to strengthen on-site capacity— capability of workers to proactively identify risk factors and other problems that occur in the workplace and to resolve them. To this end, JISHA holds a set of campaigns to enhance capabilities in OSH field, within the Zero-Accident Campaign framework, emphasizing introduction of the Zero-Accident Campaign as the first step toward boosting on-site capacity of all members in the workplace, which lead them to think about risks and problems there in terms of worker’s perspective and to that enable them to take actions for resolving problems.

**What is KYT?**

For preventing accidents due to human errors and ensuring OSH at site, it requires that leaders at site take initiative to identify hidden dangers in the workplace and in work tasks, and take action to resolve them. To do this, efforts should be made to heighten workers’ sensitivity to danger, foster their powers of concentration and problem-solving abilities, and increase their eagerness to put these skills into practice. The cultivation of these series of activities is called as KYT.

KYT (Kiken Yochi, or hazard-prediction, training), which is basically based on the practice of predicting hazards and resolving problems.

It is carried out in teams based on the following four steps (four-round method):

**Step 1: Understanding the current situation**

Members at workplace talk with each other about the kinds of hazards that could be hidden in a given situation.

**Step 2: Investigating nature of hazards**

The essence of each hazard is clearly defined.

**Step 3: Establishing countermeasures**

Members talk with each other about their ideas for how to deal with the identified hazards.

**Step 4: Setting targets**

The countermeasures are defined in terms of the specific actions to be taken, and the action targets are set for each team.

KYT is helpful to effective implementation tool for RA, which is the core action in OSHMS.

In addition to regular KYT training courses, JISHA dispatches instructors to enterprises and extends guidance in hazard prediction upon request. Aiming to support enterprises’ social activities and increase
participation in the campaign, it has established the registration system for enterprises which declare their commitment to running the Zero-Accident Campaign to the public.

And until so far, it has been working to increase the number of courses.

Table 5 shows training courses relating to the Zero-Accident Campaign and KYT courses held in fiscal 2013.

Table 5: Zero-Accident Campaign and KYT Training Courses in Fiscal 2013

<table>
<thead>
<tr>
<th>Training course</th>
<th>Number of times</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Zero-Accident Total Participation Campaign Top Seminar (for executives)</td>
<td>2</td>
<td>114</td>
</tr>
<tr>
<td>2. Zero-Accident Campaign Program Study Course</td>
<td>6</td>
<td>314</td>
</tr>
<tr>
<td>3. KYT Trainer Training</td>
<td>172</td>
<td>6,991</td>
</tr>
<tr>
<td>4. KYT Training for Medical Care Safety</td>
<td>7</td>
<td>114</td>
</tr>
<tr>
<td>5. KYT Training for Safe Driving</td>
<td>5</td>
<td>126</td>
</tr>
<tr>
<td>6. Line Manager Coaching Seminar for Strengthening On-site Capacity</td>
<td>2</td>
<td>141</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>194</strong></td>
<td><strong>7,800</strong></td>
</tr>
</tbody>
</table>

Logo of the Zero-Accident Campaign
4. Promotion of Physical and Mental Health Programs

(1) Physical and mental health promotion for workers
As Japanese society ages, the incidence of so-called lifestyle-related diseases—such as hypertension, diabetes and ischemic heart disease—continues to rise. This tendency reflects not only OSH conditions of workplaces but also lifestyle people have led since their youth, including meals, exercise and habitual behavior, as well as levels of stress workers have been exposed to. For this purpose, the government revised the Industrial Safety and Health Act in 1988, which stipulates, without penalty, that employers should take steps to maintain and promote health of their employees, including providing general health education and medical advice. In the same year, the government also launched the Total Health Promotion Plan (THP) for workers, and JISHA started the following projects to promote THP.

Figure 3 below shows the flow of the THP programs.

Table 6 shows the THP training courses conducted in fiscal 2013.

![Health care training](image1)

---

**Fig. 3: Flow of THP Programs**

<table>
<thead>
<tr>
<th><strong>Health Monitoring</strong></th>
<th><strong>Health Guidance</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>The habits and health of individuals are checked.</td>
<td>Depending on the results of health monitoring and opinions of industrial physicians, THP staff members in the fields of exercise, mental health care, nutrition and health care advise individuals on specific ways to create healthy habits. The aim is to encourage workers not necessarily to develop ideal habits, but to find reasonable and enjoyable ways to keep healthy.</td>
</tr>
<tr>
<td>Lifestyle surveys: Exercise, meals, etc.</td>
<td></td>
</tr>
<tr>
<td>Medical examination: Blood circulatory functions, etc.</td>
<td></td>
</tr>
<tr>
<td>Exercise function test: Body flexibility and strength, etc.</td>
<td></td>
</tr>
</tbody>
</table>

---

**Health Promotion Program**

- The target and content of health promotion are defined in order to efficiently practice health promotion according to the actual workplace situation.

---

**Many enterprises tackle health promotion by using “THP”**

---

**Improvement of Habits and Energizing the Workplace**
When habits are improved in line with THP activities, employees become healthy and active, and the workplace atmosphere becomes lively. After recognizing effects, enterprises implement the next program.

---

**Practical Activities**
Each person practices daily health promotion activities based on health guidance, etc. walking, relaxation, balanced meals, etc.
(2) Mental health measures

In March 2006, the MHLW published the Guideline for Promoting Mental Health Care of Workers, which outlines the principal measures for mental health care that employers are advised to provide. The basic points of mental health measures in the guideline are:

- “establishing, publishing and disseminating policies for mental health measures”;
- “preparing a mental health promotion plan”;
- “establishing a counseling system”;
- “implementing education and training for managers, supervisors and employees”;
- “making efforts to improve working environment”; and
- “setting up rules governing how employees who have taken a long leave for a mental health reason can return to work”.

JISHA conducts the following seminars to disseminate the above points and to make sure they are implemented:

- “the In-house mental health promoter training”, which helps staffs in charge of mental health measures in enterprises learn topics ranging from fundamental points of mental health measures to policies on returning to work;
- “the Management personnel seminar”, for managers and supervisors to learn necessary attentive listening skills;

and in order to help workers who have taken a long leave due to mental health problems smoothly return to work, JISHA started “the Setting up support system for return-to-work seminar” and “the Mental health seminar, example study) for enterprises to learn how to create a system to support those workers, along with case studies covering the workplace.

Table 7 shows the training courses relating to mental health held in fiscal 2013. In addition to running the courses shown in the table, JISHA organized a mental health promotion symposium (508 participants).

<table>
<thead>
<tr>
<th>Training Course</th>
<th>Number of times</th>
<th>Participants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. In-house mental health promoter training</td>
<td>33</td>
<td>1,007</td>
</tr>
<tr>
<td>2. Line care seminar for managers, supervisors, and leaders</td>
<td>22</td>
<td>689</td>
</tr>
<tr>
<td>3. Autogenic training/transactional analysis seminar</td>
<td>5</td>
<td>175</td>
</tr>
<tr>
<td>4. Other mental health-related seminars</td>
<td>37</td>
<td>696</td>
</tr>
<tr>
<td>Total</td>
<td>97</td>
<td>2,567</td>
</tr>
</tbody>
</table>
Also, regarding the JISHA health advise service, which diagnoses status relating to mental health, the number of service users asking for health practice research was 16,877 and that for stress research was 183,663; in total 200,540.

(3) Dispatch of OSH Instructors

JISHA dispatches OSH instructors to workplaces to conduct a variety of health promotion training courses: on line care for managers and supervisors, and on self-care for employees, upon request from enterprises.

Table 8: Dispatch of Instructors in Fiscal 2013

| Dispatch of OSH instructors | 1,033 cases |
5. Provision of OSH Technical Services

(1) Workplace OSH diagnoses

JISHA’s OSH officers, as OSH professionals, visit enterprises to conduct OSH diagnoses, upon request. They verify compliance with OSH legislation, check status of OSH management, diagnose problems relating to OSH management of production equipment, processes, work procedures and workplace environments, and provide accurate advice for making improvements. They also accept requests from enterprises to help with their OSH education based on the diagnosis results.

In fiscal 2013, these professionals conducted 330 OSH diagnoses, provided 1,259 OSH education sessions, and gave 446 OSH lectures.

(2) Working environment measurements’ biological sampling and analyses of airborne and material-embedded substances

JISHA takes measurements to help improve working environment. Measurements are conducted on dust, organic solvents, specified chemical substances, lead and other metals, which are harmful substances specified by law and rule, and noise, intensity of illumination for VDT work, and velocity control of local exhaust ventilation systems, as well. It also provides support for improving working environment, including suggestion on improvement measures based on measurement results and inspection local exhaust ventilation systems.

JISHA conducts analyses of toxic substances and their metabolites in biological samples such as urine, blood, and hair, as well as analyses of airborne and material-embedded free silicic acid (free silica) and asbestos, and airborne toxic substances including metals and organic solvents. Upon request, it also conducts analyses, investigations, research, and counseling on a large range of non-regulated chemical substances and develops sampling and analysis methods.
Table 9 shows the working environment measurements and other technical services provided in fiscal 2013.

Table 9: Working Environment Measurements and Other Technical Services in Fiscal 2013

<table>
<thead>
<tr>
<th>Services</th>
<th>Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Working environment measurement</td>
<td>1,282 enterprises</td>
</tr>
<tr>
<td>2. Biological sample analyses</td>
<td>27,473 samples</td>
</tr>
<tr>
<td>3. Non-biological sample analyses</td>
<td>7,995 samples</td>
</tr>
<tr>
<td>4. Analyses and measurement of asbestos (in raw materials, construction materials, and airborne)</td>
<td>173 samples</td>
</tr>
</tbody>
</table>

(3) Activities on Industrial Health

(a) Dispatch of industrial physicians

JISHA dispatches industrial physicians periodically to workplace, according to contract agreements, to support implementation of occupational health education, and also to take appropriate measures such as advice based on the results of the medical examinations. With contract agreements with 14 workplaces and it implemented 230 industrial physician activities in fiscal 2013.

(b) Certified training for industrial physicians

JISHA implements practical occupational health training courses targeting on the industrial physicians, upon the request of organizations related and certified by them, it held 13 training courses and there were 1,399 participants in fiscal 2013.
6. Distribution of Publications relating to OSH

(1) Production and distribution of periodicals, books, posters, and other items

JISHA produces and distributes two monthly magazines, “Anzen to Kenko” (“Safety & Health”) for OSH staff and managers and “Anzen-Eisei no Hiroba” (“OSH Plaza”) for workplace leaders, and a quarterly journal, “Kokoro to Karada no Oashisu” (“Mental and Physical Oasis”) dealing with a wide range of health programs for the enterprises including for the tertiary industry. It also produces and distributes two semimonthly publications, “Anzen-Eisei Tushin” (“OSH News”), a bulletin of OSH information, and “Anzen-Eisei Kabeshimbun” (“OSH Wall Newspaper”), using illustrations to explain points of OSH measures.

Additionally, JISHA produces and distributes approximately 340 textbooks, paperbacks, and other publications on OSH. In all, nearly 1.90 million copies were issued in fiscal 2013.

Main types of books (all in Japanese):

• Textbooks for obtaining qualifications and the like: “Textbook for operational chief of the work for handling tetraalky lead (special chemical substance)”, “Safety of dryer operation- Textbook for operation chief of industrial dryer” etc. for technical training, “Health Management (Vol. 1) (Vol. 2) Class-1 health officer”, etc. for license examinations, and “Handbook for Press operator for Safety”, etc. for special educational topics.

• Books for nuclear decontamination work relating to the nuclear accidents caused by the East Japan Earthquake: “Textbook for special education for workers engaged in nuclear decontamination”, etc.

• Books relating to laws and ordinances: “Directory of OSH Legislation”, which contains information on the OSH Act and ministerial ordinances, and “Explanation of the Ordinance on Prevention of Ionizing Radiation Hazards” etc., which explains specific laws and ordinances and guidelines, etc.

Illustrated pamphlets for workers that clearly explain prevention of work accidents and information related: “Realize the hazard”, “Sleeping Tips for Workers”, “Protect yourself against PM2.5”, etc.

Books that explain OSH topics in a reading material presentation: “JISHA paperbacks – Disaster Management of Corporations – earthquake disaster management, learn from March 11, 2011”

Furthermore, JISHA produces and sells numerous books, posters, and other items relating to campaigns: the National Safety Week, the National Occupational Health Week, the Year-End and New-Year Zero-Accident Campaign, the campaign to promote OSH education, the campaigns for prevention of heat stroke, and the campaigns to promote 4S activities.

Every year, JISHA issues the “General Guidebook on Industrial Safety” before the National Safety Week and the “General Guidebook on Industrial Health” before the National Occupational Health Week as the books that provide guidelines for activities at enterprises.

All these publications, posters, and other items are available at JISHA Publishing and Sales Department, and Regional OSH Service Centers, besides, Regional Labor Standards Association and other agents.

7. National Events and Campaigns, Public Relations and Educational Activities

(1) Provision of the latest OSH Information

JISHA regularly updates its website with the latest information such as highly concerned seminars/workshops, technical services, events, publications and notably important topics, etc. In addition, seasonal information is also provided such as “National Safety Week”, “National Occupational Health Week”, “Year-end and New Year Zero-accident Campaign”, “Promotion of OSH education” and “Heat Stroke Prevention”.

(2) National Industrial OSH Convention and other events

Every autumn, JISHA holds the National Industrial OSH Convention. The Convention was initiated in 1932, and in recent years it has been attended by approximately 10,000 OSH personnel and other interested persons from across Japan. The convention includes awards and other ceremonies, presentations of research findings and case studies on OSH activities undertaken by different workplaces, lectures and symposia. Convention attendees can learn the latest OSH information and knowledge, and OSH practical experience from other enterprises.

In fiscal 2013 the 72nd convention, was held over three days in October 30 – November 1 in Osaka city, attended by about 12,200 people.

Concurrently with the National Industrial OSH Convention, JISHA holds the Green Cross Exhibition. The Green Cross Exhibition, the fair meant to develop workers’ sense of OSH, is the largest exhibition of OSH equipment and devices in Japan, offering techniques and information relating to OSH management in many kinds of workplaces and working environment improvement.
Table 10 indicates a program summary of the fiscal 2013 convention.

### Table 10: Convention Program

<table>
<thead>
<tr>
<th>General Assembly</th>
<th>Opening ceremony, awards ceremony, convention declaration, and special lectures</th>
</tr>
</thead>
<tbody>
<tr>
<td>Group meetings</td>
<td>Risk assessment/management system group meeting</td>
</tr>
<tr>
<td></td>
<td>Safety management activity group meeting</td>
</tr>
<tr>
<td></td>
<td>Safety and health education group meeting</td>
</tr>
<tr>
<td></td>
<td>Machinery and equipment safety group meeting</td>
</tr>
<tr>
<td></td>
<td>Chemical substance management group meeting</td>
</tr>
<tr>
<td></td>
<td>Zero-accident campaign group meeting</td>
</tr>
<tr>
<td></td>
<td>Traffic safety group meeting</td>
</tr>
<tr>
<td></td>
<td>Occupational health management activity group meeting</td>
</tr>
<tr>
<td></td>
<td>Health promotion group meeting</td>
</tr>
<tr>
<td></td>
<td>Mental health group meeting</td>
</tr>
<tr>
<td>Simultaneously held events</td>
<td>Green Cross Exhibition 2013</td>
</tr>
</tbody>
</table>
(3) National OSH campaigns

Together with the MHLW, JISHA holds campaign activities every year during the National Safety Week (first seven days of July) and the National Occupational Health Week (first seven days of October). In the month prior to each campaign, as a preparatory period, awareness campaigns activities are conducted.

Ongoing since 1926, the 86th National Safety Week was marked in 2013. It is targeted as an opportunity to roll out a campaign aimed at deepening awareness of industrial accident prevention and encouraging a steady implementation of safety activities in each workplace.

Continuing since 1950, the 64th National Occupational Health Week was held in 2013. This Week is designed as a chance to promote efforts to ensure and advance health of workers and to create comfortable workplaces.

Additionally, JISHA holds the Year-End and New-Year Zero-Accident Campaign for a month and the Heat Stroke Prevention Campaign for 4 months from May to August, and it also rolls out OSH education activities campaigns from January to end of April.

(4) Various Awards

In 2013, it granted a company for its distinguished contribution to promotion and improvement of OSH (the JISHA Chairman’s Award to 1 company); persons for their fine performance on the research (the Distinguished Service Award to 2 persons); and persons, etc. for their distinguished contribution to promotion of OSH area (84 persons). Also, the official commendation for zero-accident record was given to 135 small and medium-sized enterprises.

(5) Research and surveys

In response to changes in the environment that companies are facing such as evolving industrial structure or employment patterns, JISHA conducts research and surveys on both the status quo and the ideal form of OSH management.

The results of the research and surveys are posted on the website and published in various publications. These results are also utilized in OSH education or at the time of providing guidance, etc.

The main research and surveys conducted in fiscal 2013 are shown in Table 11.

Table 11: Research and Survey Topics in Fiscal 2013

<table>
<thead>
<tr>
<th></th>
<th>Research and Survey Topics in Fiscal 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Review of the guideline for safety and health management method of off-routine work at iron and steel industry</td>
</tr>
<tr>
<td>2.</td>
<td>Making and distribution risk assessment manual of occupational health (prevention of lumbago at social welfare facilities)</td>
</tr>
<tr>
<td>3.</td>
<td>Study of method for implementation of effective risk-assessment at specific industry (Home-delivery service business)</td>
</tr>
</tbody>
</table>
8. International Cooperation

(1) Exchanges with OSH organizations abroad and provision of OSH information

JISHA engages in international exchanges with OSH organizations abroad. These exchanges take form of acceptance of overseas guests on a daily basis, dispatching personnel to organizations related and participating in international conferences, including meetings of the World Congress on OSH at Work and annual conferences of the Asia Pacific Occupational OSH Organization (APOSCHO), as well as ILO/CIS national centers meeting.

JISHA gathers OSH information from the United States, European, Asia-Pacific areas, and other countries/regions and provides information in Japanese via its website. It also provides information in English for people abroad.

![APOSCHO General Meeting in 2013 (in Jakarta, Indonesia)](image)

(2) Technical assistance to developing countries/regions

JISHA conducts the OSH seminar once a year to provide technical assistance to OSH organizations abroad. Furthermore, on commission from the Japan International Cooperation Agency (JICA), it conducts seminars on policy improvement of OSH, which is both group training courses, besides, provides support for country-specific technical assistance projects in China.

In addition, JISHA dispatch experts overseas or to receive and arrange customized study tours in Japan, upon request abroad or ILO.

(3) International cooperation programs conducted during fiscal 2013 are introduced in detail in Appendix 5.
(4) Seminar for Japanese enterprises operating abroad.
Recently, Japanese enterprises are accelerating to run their business in foreign countries/regions. JISHA support them with holding seminars, etc.
In fiscal 2013, it held the seminar in Tokyo.

9. The Japan Bioassay Research Center

The Japan Bioassay Research Center, founded in 1982, conducts animal studies (with rats and mice) to investigate the single dose toxicity (acute toxicity), short-term (28-day, 2-week, and 13-week) repeated-dose toxicity, chronic toxicity, reproductive and developmental toxicity, and carcinogenicity of chemical substances administered via inhalation and orally.

The center features technologies to conduct inhalation exposure studies on chemical substances that appear in the form of a gas, mist, or particles as well as short-term and long-term inhalation devices (see photos in the appendix), which make it a large-scale testing facility without parallel anywhere in the world. It is important to understand inhalation toxicity of chemical substances because there are many opportunities for exposure to chemical substances through inhalation from ambient air in the general environment and in workplace environments. Given the urgent need to confirm the safety of nanoparticles and asbestos substitutes, the center develop exposure technologies for these materials and has started the contract service of “Medium-term Liver Carcinogenesis Bioassay (Ito Test) with rat which effective to search the carcinogenesis of chemical substances rapidly. Thus far, the center has conducted carcinogenicity tests (including 2-week and 13-week repeated-dose preliminary tests) on more than 50 chemical substances, whose results have been published in scientific papers and other forms and have been rated highly worldwide.

The center also conducts mutagenicity studies using microorganisms, chromosome aberration studies using mammalian cell cultures, micronucleus studies using rodents, and other studies to screen for carcinogenicity. It has developed effective mutagenicity testing technologies for gaseous substances and volatile substances to which its animal inhalation exposure technologies are applied (see photos in the appendix). These technologies have been used in the center’s genetic toxicity studies, which have produced numerous study achievements.

All studies conducted by the center are performed in compliance with Good Laboratory Practice (GLP) standards.
Appendix 11 shows the commissioned studies, and pictures of the equipment.


10. Support for the Recovery and Reconstruction of the East Japan Earthquake and Tsunami

Japan experienced the East Japan Earthquake and Tsunami disaster and the Fukushima Nuclear Power Plant accidents in March 11, 2011. Now, Japan has been orchestrating its collective efforts to work tirelessly for recovery and reconstruction including the debris removal, nuclear decontamination work, and resumption of operations. JISHA also has been continuing our overall supports of the OSH measures such as implementing education/training to operation leaders or operators of nuclear decontamination work. (refer to table 3.)

Besides, in order to provide the latest safety and health information to the employers/ workers who are engaged in the recovery/ reconstruction works from the disaster, JISHA has set up a special page relating to activities.

At present, the situation is getting better and on the way of restoring, due to support of many kinds of people as well as a huge amount of assistance from foreign countries/regions.
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Appendices

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Membership

JISHA Members and Associate Members (March 2014)

Notes

1) 4 Industrial Accident Prevention Associations
   • Japan Construction Occupational Safety and Health Association
   • Japan Land Transportation Industry Safety and Health Association
   • Japan Port Transport Industry Safety and Health Association
   • Japan Forestry and Timber Manufacturing Safety and Health Association
   note, Japan Mining Safety and Health Association, dissolved on March 2014

2) Nationwide Employers’ Organizations
   There are 60, including:
   Japan Business Federation
   The Japan Iron and Steel Federation
   The Federation of Electric Power Companies Japan
   The Japan Electrical Manufacturers’ Association
   Japan Petrochemical Industry Association
   Japan Chemical Industry Association
   The Shipbuilders’ Association of Japan
3) “Prefectural Safety and Health Promotion Organizations” are established in each prefecture. There are 48 such organizations.

4) Other Organizations Engaged in Industrial Accident Prevention Activities

There are 16, including:
Japan Boiler Association
Japan Crane Association
Japan Association of Safety and Health Consultants
Japan Association for working Environment Measurement
National Confederation of Occupational Health Organization

5) Associate Members, by Industry

<table>
<thead>
<tr>
<th>Industry</th>
<th>Number</th>
<th>Industry</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agriculture</td>
<td>0</td>
<td>Metal products</td>
<td>176</td>
</tr>
<tr>
<td>Forestry</td>
<td>0</td>
<td>General machinery</td>
<td>217</td>
</tr>
<tr>
<td>Fishery</td>
<td>1</td>
<td>Electrical machinery</td>
<td>287</td>
</tr>
<tr>
<td>Mining</td>
<td>11</td>
<td>Transport machinery</td>
<td>244</td>
</tr>
<tr>
<td>Construction</td>
<td>586</td>
<td>Precision instruments</td>
<td>59</td>
</tr>
<tr>
<td>Foods</td>
<td>261</td>
<td>Other manufacturing</td>
<td>252</td>
</tr>
<tr>
<td>Textiles</td>
<td>42</td>
<td>Electricity, gas and water</td>
<td>88</td>
</tr>
<tr>
<td>Lumber and furniture</td>
<td>23</td>
<td>Transport</td>
<td>233</td>
</tr>
<tr>
<td>Pulp and paper</td>
<td>117</td>
<td>Finance and insurance</td>
<td>18</td>
</tr>
<tr>
<td>Publishing and printing</td>
<td>69</td>
<td>Telecommunications</td>
<td>98</td>
</tr>
<tr>
<td>Chemicals</td>
<td>445</td>
<td>Labour unions</td>
<td>30</td>
</tr>
<tr>
<td>Coal and petroleum</td>
<td>85</td>
<td>Public sector</td>
<td>56</td>
</tr>
<tr>
<td>Rubber</td>
<td>56</td>
<td>Others</td>
<td>222</td>
</tr>
<tr>
<td>Ceramics, clay and stones</td>
<td>92</td>
<td>Services</td>
<td>701</td>
</tr>
<tr>
<td>Iron and steel</td>
<td>145</td>
<td>Medicine and public health</td>
<td>202</td>
</tr>
<tr>
<td>Nonferrous metal</td>
<td>81</td>
<td>Total</td>
<td>4,897</td>
</tr>
</tbody>
</table>

(As of March 31, 2014)
JISHA Office Organization Chart

Chairperson
Vice-Chairperson
Consultants
Auditors
Counselors

Executive Director

Executive Director For Coordination

Administration Dept.
Finance and Accounting Dept.
Education and Promotion Dept.
Publishing and Sales Dept.
Technical Dept.
Health and Comfort Promotion Dept.

Occupational Health Research and Development Center
Osaka Occupational Health Service Center
Japan Bioassay Research Center
Management System Audit Center

Tokyo Occupational Safety and Health Education Center
Osaka Occupational Safety and Health Education Center

Hokkaido Regional Safety and Health Service Center
Tohoku Regional Safety and Health Service Center
Kanto Regional Safety and Health Service Center
Chubu Regional Safety and Health Service Center

Hokuriku Branch Office
Kinki Regional Safety and Health Service Center
Chugoku & Shikoku Regional Safety and Health Service Center

Shikoku Branch Office
Kyushu Regional Safety and Health Service Center

(Regional Centers and Offices)

(Compliance Dept.)

(International Affairs Center belongs to Technical Dept.)

(Regional Centers and Offices)

(AS OF July 2014)
JISHA operates the Occupational Safety and Health Education Centers in Tokyo and Osaka, the Occupational Health Research and Development Center, the Osaka Occupational Health Service Center, as well as seven Regional Safety and Health Service Centers and two branch offices. Regional Centers offer technical advice, conduct working environment measurements, organize seminars and sell books / other JISHA materials. This map shows the location of JISHA facilities throughout Japan.
Budget

Changes in Budget

Expenditure and Income for FY2014 (General Account)

**EXPENDITURE**
- Business Activities (40.5%)
- Administration (53.4%)
- Entrenched Businesses (4.0%)
- Others (2.1%)

**INCOME**
- Business (77.3%)
- Business Income (77.3%)
- Government Subsidy (13.9%)
- Membership Fees (4.5%)
- Miscellaneous (0.3%)
## FY 2013 International Cooperation Activities

1) Promotion of Exchanges with OSH Organizations

<table>
<thead>
<tr>
<th>Mission</th>
<th>Overview</th>
</tr>
</thead>
</table>
| Dispatching JISHA’s personnel overseas | • Speech at the General Annual Meeting of Industrial Safety and Health Association of Taiwan, ISHA, (Taiwan, Apr. 18-21, 2013)  
• Speech at the 28th Annual Conference of the Asia Pacific Occupational Safety and Health Organization, APOSHO  
  (2 participants, Indonesia, Oct.8-10, 2013) |
| Receiving visitors from overseas          | • Korean, Occupational Safety and Health Agency (KOSHA), in May 24, 2013  
• Korean, SK Energy in Jun.13, 2013  
• Industrial Safety and Health Association of Taiwan, ISHA in Jun. 25-27, and Oct. 30, 2013  
• KOSHA, in July 15-20, 2013  
• China, Dalian city in Aug. 27, 2013  
• Vietnam, National Institute of Labour Protection, in Oct. 23, 2013  
• Thailand, SHWPAT and Ministry of Labour in Nov. 14-15 |
2) Technical Cooperation with Developing Countries

<table>
<thead>
<tr>
<th>Name of Project</th>
<th>Project Outline</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. JISHA OSH Seminar</td>
<td>The training program for 10 trainees from overseas (Mar. 10-14, 2014) Theme: KYT (Hazard Prediction Training) and Occupational Safety and Health Management System Hong kong, India, Malaysia, Mexico, Mauritius, Taiwan and Thailand.</td>
</tr>
</tbody>
</table>
| b. Other Seminars        | • Study mission of ILO Multi-bilateral Programme “Occupational Safety and Health in hazardous work in Southeast Asia” in Vietnam (Hanoi 43 people, Ho chi Minh 32 people July 15-19/ August 12-16, 2013 )
• Study mission of ILO Multi-bilateral Programme “Workshop on enhancing OSH activities” in Phnom Penh, Cambodia March 17-21, 2014
• Dispatch of an expert to the KYT Seminar organized by AISOHMEX, A.C. (Mexico, Aug 27-29, 2013) |
| c. Support for JICA technical cooperation projects | • Occupational Safety and Health Management Administrative Guidance (11 trainees, Aug 20-Aug 29, 2013)
• Health Management for Pneumoconiosis and Asbestos (14 trainees, Oct. 15-25, 2013)
• Management of OSH (14 trainee, Nov. 5 – Nov 22, 2013)
• Health Management relating organic solvent (10 trainees, Dec.3 -16, 2013)
• Design of local ventilation system (4 trainees, Jan 8-23, 2014)
• Measurement of health(10 trainee, Feb. 12-19, 2014)
• Dispatch of short-term expert (Nov. 3-13, 2013 / Feb. 18-22, 2014) |
| d. Implementation of JICA training | • Study mission Programme “Prevention of Occupational Diseases and Environmental Management” (5 trainees, Jun. 7Jul. 25, 2013 ) |

3) Collecting and Providing Information to Domestic and Overseas Users

- Provision via website
- JISHA Annual Report
Project-type Technical Cooperation (ODA)

[Department of Labor and Employment, the Philippines]
Occupational Safety and Health Center
Term: April 1988–March 1995 (7 years)
Scope: Occupational safety control/occupational health control/work environment measurement/training and public information

[Ministry of Labor and Social Welfare, Thailand]
Project to Strengthen National Institute for the Improvement of Working Conditions and the Environment
Term: June 1997–May 2002 (5 years)
Scope: Industrial safety/occupational health/education and public relations

[Ministry of Human Resources, Malaysia]
Project on the Capacity Building of National Institute of Occupational Safety and Health
Term: Nov. 2000–Nov. 2005 (5 years)
Scope: Occupational health

[Department of Occupational Safety and Health of Malaysia]
Project for Improving Occupational Safety and Health Administration
Term: Apr. 2007–Apr. 2012 (5 years)
Scope: Improving occupational safety and health administration

[Ministry of Labor, South Korea]
Project for Prevention of Occupational Diseases
Term: April 1992–April 1997 (5 years)
Scope: Occupational health control/work environment measurement/toxicity tests, etc.

[State Administration of Work Safety (SAWS), China]
Project on Scientific and Technological Capacity Building for Work Safety in China
Term: October 2006–October 2010 (4 years)
Scope: Occupational safety and health management

[SAWS and Center for Disease Control (CDC), China]
Project on Capacity Building for Occupational Health in China
Term: March 2011–March 2016 (5 years)
Scope: Occupational health control/work environment measurement, etc.
in Which JISHA Was / has been Involved

[Department of Human Resources, Indonesia]
Project to Enhance Education and Training of Industrial Safety and Health
Term: Nov. 1995–Nov. 2000 (5 years)
Scope: Development of curricula, teaching materials, etc., for occupational safety and health education

[Ministry of Health, Brazil]
Mini-Project for Occupational Health
Term: Sept. 1995–Aug. 1998 (3 years)
Scope: Work environment control/occupational health control
Countries That Have Sent Participants the Support of JICA (FY1974–2013)
Countries That Have Sent Participants to Seminars Conducted by JISHA with the Support of JICA (FY1974–2013)

Total 769
## JISHA English Publication List

### 1. Periodicals

- Annual Report

### 2. Books

<table>
<thead>
<tr>
<th>Title</th>
<th>Price</th>
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<tbody>
<tr>
<td>General Guidebook on Industrial Health 2004</td>
<td>¥5,000</td>
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<tr>
<td>House Keeping at Work</td>
<td>¥300</td>
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<tr>
<td>Safety and Health Training for Newcomers</td>
<td>¥630</td>
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<tr>
<td>How to Prevent Lumbago</td>
<td>¥3,500</td>
</tr>
<tr>
<td>A Guide to Safety in Press Work for Press Operators</td>
<td>¥1,000</td>
</tr>
<tr>
<td>A Guide to Safety in Casting for Foundry Workers</td>
<td>¥1,000</td>
</tr>
</tbody>
</table>

### 3. Photocopies of Books (¥108 per page)

1. Manuals on Safety and Health
   - Safety Assessment
   - Explanation of Guide for Periodic Voluntary Inspection of Local Exhaust Ventilating Systems and Dust Collectors
   - How to Establish a Safety and Health Improvement Programme (for Special Guidance on Safety Control)
   - How to Establish a Safety and Health Improvement Programme (for Special Guidance on Industrial Health Preservation)
   - Safety Control Handbook
   - Case Studies of Industrial Injuries and Countermeasures
   - Fundamental Knowledge of Industrial Hygiene for Working Environmental Experts
   - Sampling of Harmful Substances
   - Industrial Hygienist Technical Course (1)–(4)
   - Practical Handling of Analyzing Instruments for Working Environment Measurement
   - Examples of Occupational Injury
   - Text for RST Trainers
   - Important Points in Drawing Up Guidance Sheets for RST Education
   - List of RST Sheets for Construction Work
   - Promoting Safety and Health Education within a Company
   - Text for Construction Engineers
   - Report Concerning the Construction Industry
   - Guidelines for Lining Work in Tunnels; Safety Work Standards Regarding Construction Machinery Used in Tunnels

2. Safety and Health Textbooks (Educational Textbooks)
   - Safety and Health Training of Newcomers: Instructor’s Manual
   - Gas Welding
   - Safety Manual for Arc Welding
   - Press Operator’s Safety Handbook
   - Safety Manual for Grinders
   - Handling Electricity
   - Necessary Knowledge Regarding Industrial Robots
   - Health Administration Henceforward

3. Zero-Accident Books
   - Identifying Occupational Safety Hazards—TBM-KY Procedure and Model Sheets Education [2]
   - Identifying Occupational Safety Hazards—The Short-Term KY Method and Model Sheets [3]
   - The Story of New KYT
   - Building The Zero-Accident Campaign with Total Participation—A Guide for Formulating Plans for Zero-Accidents
   - Are You Practicing Short-Time Danger Prediction Training?
   - Are You Practicing Finger Pointing and Call?
   - The Zero-Accident Campaign: “We Are Glad We Did It!”—Everyone Takes Part to Achieve Zero-Accidents
   - New KYT: New Small Group Activities 5 Minute Zero-Accident Meeting
Appendix 9

Websites

Japan Industrial Safety and Health Association (JISHA):
http://www.jisha.or.jp/
Statistics

Change in Number of fatalities in All Industries (Japan)

Change in Number of fatalities and Injuries Requiring an Absence of 4 Days or More in All Industries (Japan)

Note: The figures for 1972 and before indicate the number of deaths and injuries requiring an absence of 8 days or more.
### Change in Serious Industrial Accidents by Industry (Japan)

<table>
<thead>
<tr>
<th>Year</th>
<th>All industries</th>
<th>Construction</th>
<th>Manufacturing</th>
<th>Transport and freight handling</th>
<th>Others</th>
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</thead>
<tbody>
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<td>331</td>
<td>177</td>
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<td>1974</td>
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<td>1975</td>
<td>276</td>
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<td>1976</td>
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<td>1979</td>
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<td>1980</td>
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<td>7</td>
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<tr>
<td>1984</td>
<td>184</td>
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<td>41</td>
<td>8</td>
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<tr>
<td>1985</td>
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<td>1992</td>
<td>166</td>
<td>74</td>
<td>33</td>
<td>7</td>
<td>52</td>
</tr>
</tbody>
</table>

Note: "Serious industrial accident" signifies an accident resulting in 3 more deaths and/or injuries at a time.

![Graph showing the change in serious industrial accidents by industry](image-url)
Change in Number of Occupational Diseases (Japan)

Prevalence rate of abnormal findings of periodic medical examination (Japan)

Note: Sources of above statistics come from those of The MHLW.
Commissioned Studies and Number of Studies Conducted by the Japan Bioassay Research Center

Commissioned studies

<table>
<thead>
<tr>
<th>Toxicity studies using rats and mice (inhalation study is available)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single dose toxicity studies (acute toxicity studies)</td>
</tr>
<tr>
<td>Repeated dose (28-day, 2-week, and 13-week) toxicity studies</td>
</tr>
<tr>
<td>Chronic toxicity studies</td>
</tr>
<tr>
<td>Carcinogenicity studies</td>
</tr>
<tr>
<td>Combined chronic toxicity/carcinogenicity studies</td>
</tr>
<tr>
<td>Medium-Term Liver (arcinogenesis is Bioassay (ltoTest))</td>
</tr>
<tr>
<td>Reproductive and development toxicity studies</td>
</tr>
<tr>
<td>Combined repeated dose toxicity/reproductive and development toxicity studies</td>
</tr>
<tr>
<td>Single generation reproduction studies</td>
</tr>
<tr>
<td>Uterotrophic bioassays in rodents</td>
</tr>
<tr>
<td>Hershberger bioassays in rats</td>
</tr>
<tr>
<td>Others</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mutagenicity assays (the technological level applicable for commission for gaseous substances and volatile substances)</th>
</tr>
</thead>
<tbody>
<tr>
<td>in vitro studies</td>
</tr>
<tr>
<td>Mutagenicity assays using microorganisms / reverse mutation assays using bacteria / Ames test</td>
</tr>
<tr>
<td>Chromosomal aberration assays using cell cultures</td>
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<tr>
<td>Cytotoxicity assays using cell cultures</td>
</tr>
<tr>
<td>Mouse lymphoma TK assays</td>
</tr>
<tr>
<td>Micronucleus assays using cell cultures</td>
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<tr>
<td>Transformation assays</td>
</tr>
<tr>
<td>Others</td>
</tr>
<tr>
<td>in vivo studies</td>
</tr>
<tr>
<td>Bone-marrow micronucleus assays using rodents</td>
</tr>
<tr>
<td>Liver micronucleus assays using rodents</td>
</tr>
<tr>
<td>Testis micronucleus assays using rodents</td>
</tr>
<tr>
<td>Transgenic rodent mutation assay</td>
</tr>
</tbody>
</table>
Japan Bioassay Research Center

Bioassay operation

Inhalation Exposure Chamber (Short-term Study)

Inhalation Exposure Chamber (Long-term Study)

Gas Exposure System (Ames-test)

Gas Exposure System (chromosomal aberration assay)

