

Occupational safety and health education system

February 2010

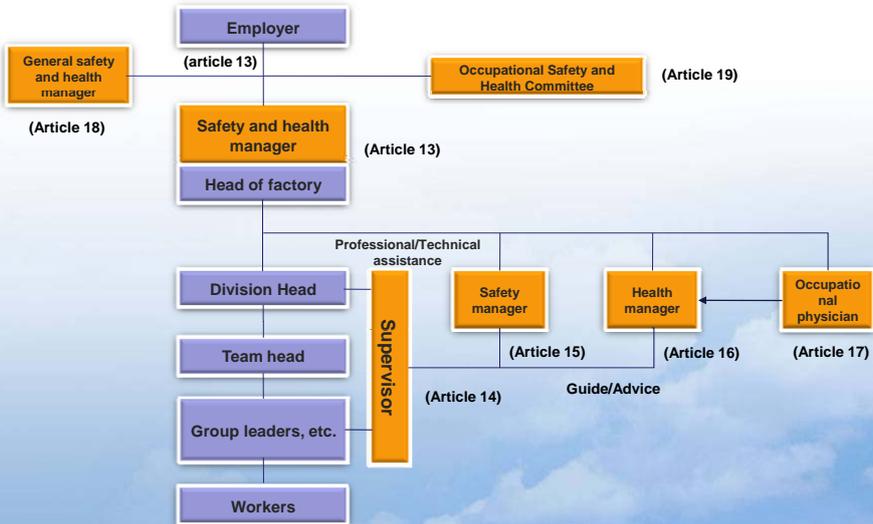


한국산업안전보건공단
KOREA OCCUPATIONAL SAFETY & HEALTH AGENCY

Contents

1. The Occupational Safety and Health Act and the education system
2. Support system for safety and health education
3. New KOSHA 2010
4. Education projects for 2010
5. Education for foreign workers
6. Education evaluation system
7. Computerized/Information-oriented education

Safety and health management system under the Act



3

Measures for preventing hazard and danger



Safety and health education for workers (Article 31)

- ① Employers should provide workers with **periodic** safety and health education.
- ② Safety and health education related to the job should be given at the time of **hiring** and **job assignment change**.
- ③ Employers should give **special education** related to the job when deploying workers to hazardous or dangerous work.
- ④ Employers may consign the education to a designated educational institute.

◆ **Fine for negligence: at most KRW 5 million**

Education for general manager, etc. (Article 32)

- ① Safety and health-related staff should receive "**job competency education**" (**new and supplementary**) concerning safety and health.
 1. General managers, safety managers, and health managers
 2. Staff at guidance agencies for accident and disease prevention
 <Date of revision: July 27, 2007>

◆ "Act on Special Measures for the Deregulation of Corporate Activities" was revised, and education has been performed since January 2009.

In case other education programs specified by the Ordinance of the Ministry of Labor have been completed, all or part of the education may be waived.

Curriculum (Article 33 of the Enforcement Rule)



Allocated time of periodic safety and health education for workers

Office workers: **At least** 1 hour per month or **3 hours per quarter** (including sales workers)

Workers other than office workers: **At least** 2 hours per month or **6 hours per 6 quarter**
(construction workers: at least 2 hours per month)

Contents of periodic education for workers (Schedule 8-2)

- Matters concerning occupational safety and health legislation
- Matters concerning **hazard and danger** in work processes and **prevention of accidents and diseases**
- Matters concerning standard safe work methods
- Matters concerning the handling and use of protectors and safety devices
- Matters concerning examples of industrial accidents and diseases**
- Matters concerning first aid in case an accident occurs** (new)
- Matters concerning the prevention of occupational diseases** (new)
- Matters concerning the health exam and work environment monitoring** (new)
- Matters concerning the promotion of workers' health and occupational health nursing
- Matters concerning safety and health marks
- Matters concerning material safety and health data
- Matters necessary for other safety and health management

Curriculum (Article 33 of Enforcement Rule)



Allocated time of Periodic education for supervisors

At least 8 hours semiannually or 16 hours per year

Contents of periodic education for supervisors

- Matters on occupational safety and health legislation
- Matters on how to guide work safety
- Matters on the safety and health inspection of machinery, instrument, and facility
- Matters on the role and mission of supervisors
- Matters on the promotion of workers' health and occupational health nursing
- Matters on material safety and health data
- Matters necessary for other safety and health management

[\[Schedule 8-2 of Enforcement Rule\]](#)

Curriculum (Article 33 of Enforcement Rule)



Allocated time of Safety and health education for workers

Office workers: **At least** 1 hour per month or **3 hours per quarter** (including sales workers)

Workers other than office workers: **At least** 2 hours per month or **6 hours per quarter** (construction workers: at least 2 hours per month)

Contents of periodic education for workers (Schedule 8-2)

- Matters concerning occupational safety and health legislation
- Matters concerning **hazard and danger** in work processes and **prevention of accidents and diseases**
- Matters concerning standard safe work methods
- Matters concerning the handling and use of protectors and safety devices
- Matters concerning examples of industrial accidents and diseases**
- Matters concerning first aid in case an accident occurs** (new)
- Matters concerning the prevention of occupational diseases** (new)
- Matters concerning the health exam and work environment monitoring** (new)
- Matters concerning the promotion of workers' health and occupational health nursing
- Matters concerning safety and health marks
- Matters concerning material safety and health data
- Matters necessary for other safety and health management

Curriculum (Article 33 of Enforcement Rule)



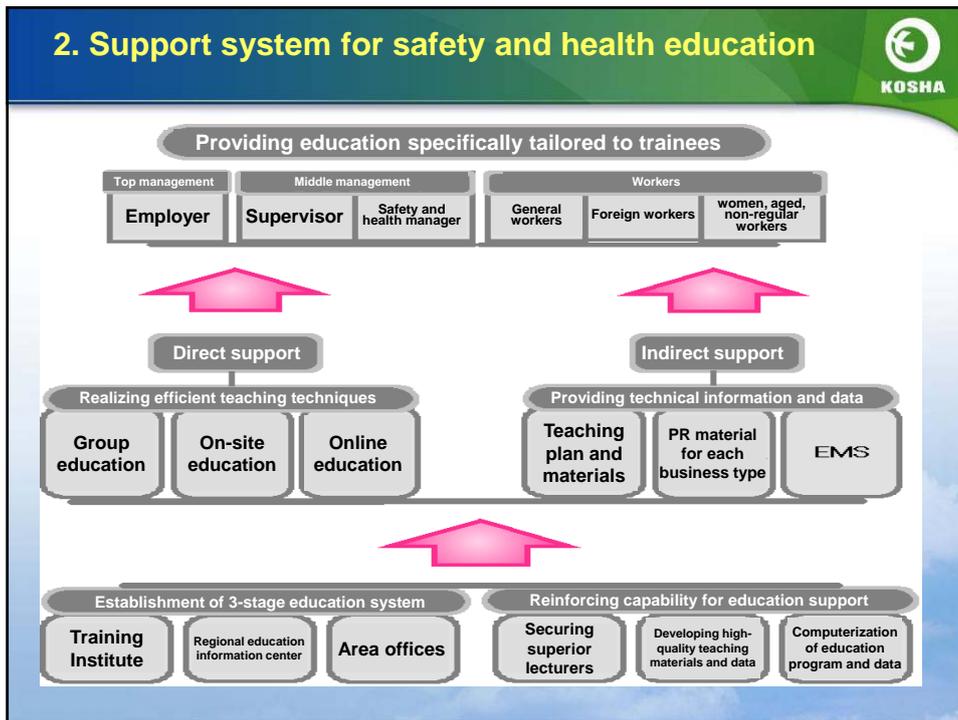
Allocated time of Periodic education for supervisors

At least 8 hours semiannually or 16 hours per year

Contents of periodic education for supervisors

- Matters on occupational safety and health legislation
- Matters on how to guide work safety
- Matters on the safety and health inspection of machinery, instrument, and facility
- Matters on the role and mission of supervisors
- Matters on the promotion of workers' health and occupational health nursing
- Matters on material safety and health data
- Matters necessary for other safety and health management

2. Support system for safety and health education



3. NEW KOSHA 2010

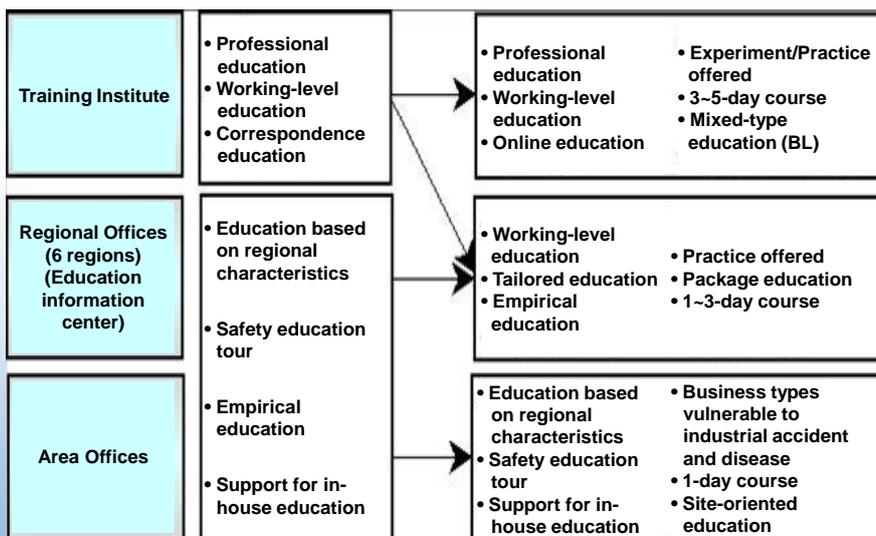


Establishment of 3-stage education system



- Educational Institute:** Offering high-quality education together with experiments and practical exercises
 - Camp training targeting safety and health-related persons
 - Transferring, reducing, and abolishing non-professional education courses
- Regional Offices (6):** Working-level-oriented education considering the industrial structure and industrial accident and disease trend for each region
 - Non-camp training mainly targeting supervisors
 - Providing systematic technical information to workplaces vulnerable to industrial accidents and diseases
 - In-house educational consulting service for small and medium-sized workplaces and workplaces with high risk
- Area Offices (20):** Site-oriented education such as education connected to a certain business and education tour
 - Providing education to employers and workers regarding the importance of safety management and safety awareness
 - On-site education with connection with employers' organization or trade associations, etc.

Safety and health education system



Curriculum for education based on the regional characteristics (6 regions)



Item	In-house developed courses
Seoul Office (Northwest, Gangwon)	Accident and disease prevention for the comprehensive management businesses such as high-rise building Accident and disease prevention for leather and dye related businesses
Busan Office (Ulsan, Gyeongnam)	Accident and disease prevention for loading/unloading at ports and shipbuilding and repair Accident and disease prevention for the petrochemical businesses
Gwangju Office (Jeonbuk, Jeonnam, Jeju)	Accident and disease prevention for electronics manufacturing businesses Accident and disease prevention for the subcontractors of chemical plants
Incheon District Office (southern and western parts of Gyeonggi)	Accident and disease prevention for automobile manufacturing businesses Accident and disease prevention for plating businesses
Daegu Office (eastern and northern parts of Gyeongbuk)	Accident and disease prevention for cement product manufacturing businesses Accident and disease prevention for workers at textile businesses
Daejeon Office (Choongbuk, Choongnam)	Accident prevention for supervisors at subway construction sites Accident prevention for food manufacturing businesses

Status of education performed by the Training Institute per year



Course	'88	'89	'91	2001	'02	'03	'04	'09
Total	6,492	4,494	6,963	20,084	19,776	21,292	20,272	32,169
Professional education	483	1,331	1,656	7,187	7,061	7,820	7,931	8,067
Correspondence education	-	-	-	4,283	3,940	4,479	4,069	10,518
Basic education, etc.	6,009	3,163	5,307	8,614	8,775	8,993	8,272	13,584

4. Education projects for 2010



Major projects

Education to enhance safety awareness

- Reinforcing education for small workplaces
- Expanding education for the vulnerable classes
- Reinforcing quality control of job training

Development of contents for industrial accident and disease prevention

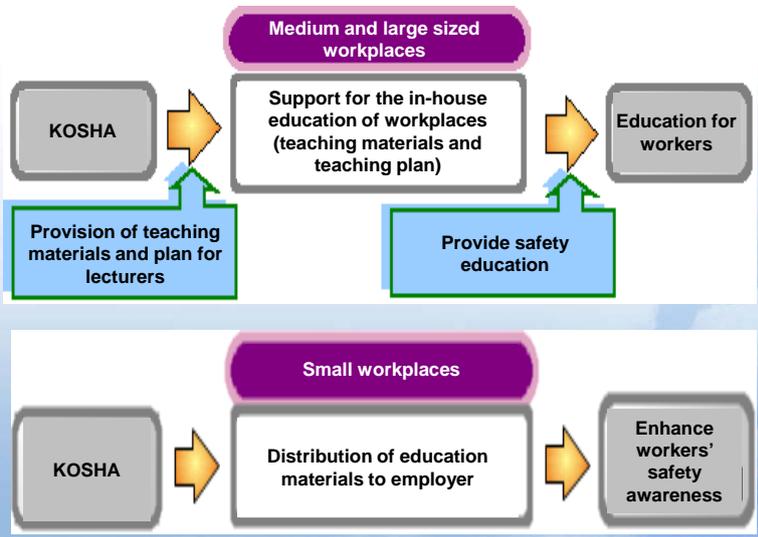
- Safety and health contents for each business type
- ※ The development of contents for the 6 largest service businesses is emphasized.
- Education contents for each specialized sector
- Safety and health contents for each class (monthly magazine, data for classes vulnerable to industrial accidents and diseases)

Project plan for 2010 (affiliated organizations)

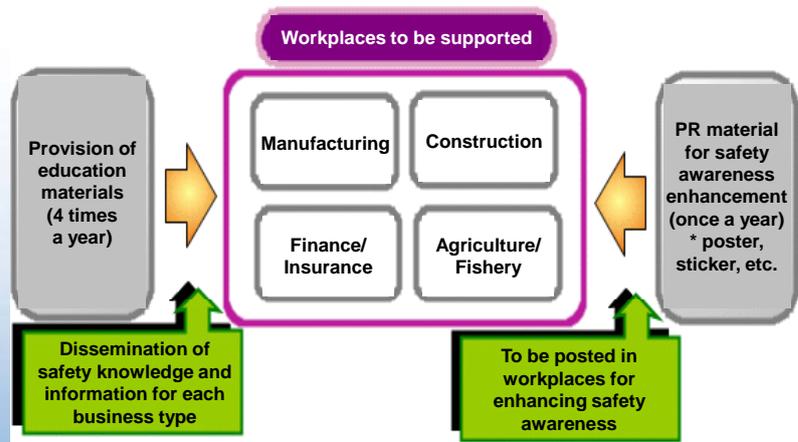


Course		Total (person)	Remarks
Grand total		292,930	
Top management	Subtotal	30,800	
	Study group	800	
	Education for employers	30,000	
Middle management	Subtotal	25,000	
	Working-level education	17,000	
	Basic education	7,200	
	Honorary supervisor (basic)	620	
	Honorary supervisor (professional)	180	
Workers	Subtotal	237,130	
	Empirical education	25,500	
	In-house education	131,030	
	Tour education	61,600	
	Education based on the characteristics	19,000	

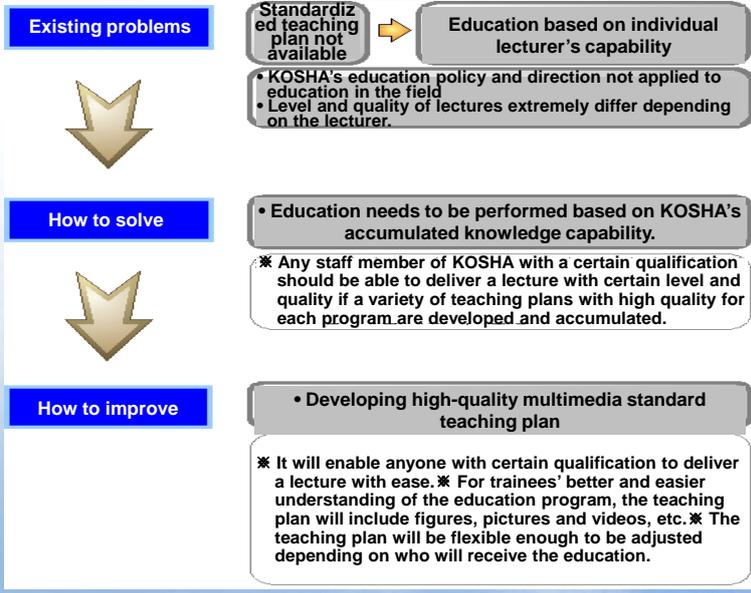
Lecturer/Teaching plan based on the size of the workplace



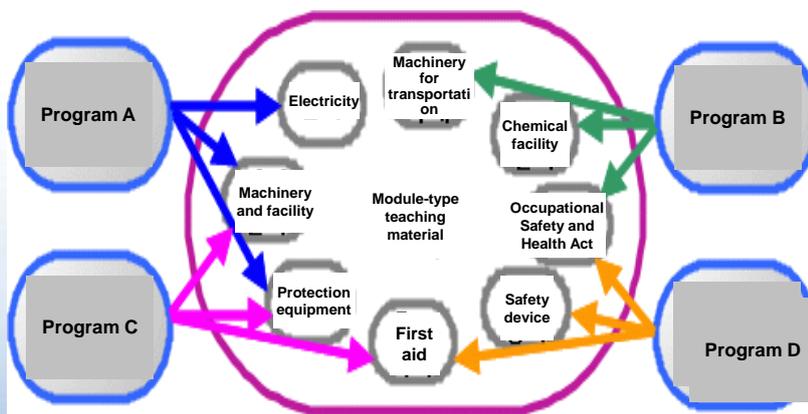
Support for small workplaces



Development and enhancing of teaching material



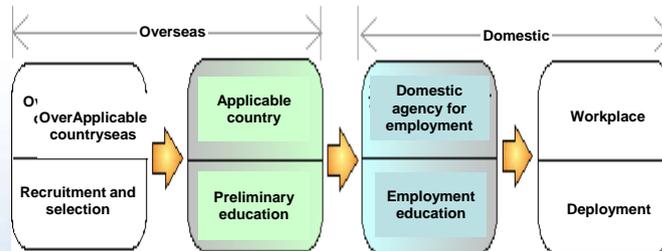
Developing module-type teaching materials



5. Education for foreign workers



● Work permit (supervised by the Ministry of Labor)



● Industrial trainees



Result of safety education for foreign workers



Items	Results			
	Number of cases	Hour	Number of workplaces	Number of persons
Grand total	911	1,948	1,436	49,492
Safety education at institutes related to employment	758	1,603	758	42,298
Education by employers	12	27	480	548
Safety education by private organizations	6	11	6	297
In-house education at areas with high population density	117	257	117	5,179
Education tour at areas with high population density	18	50	75	1,170

□ Agencies conducting employment education per channel through which foreign workers are hired



Item	Related legislation	Supervisory ministry	Education agency	Target countries	Hours
Work permit-related	Act on Foreign Workers' Employment, Etc. (enacted in March 2008)	Ministry of Labor	Human Resources Development Service of Korea	5 countries including Thailand	Safety education: 5 out of a total of 20 hours
			Korea Int'l Labor Foundation	3 countries including Vietnam	Safety education: 4 hours out of a total of 20 hours
Industrial trainee	Guideline for the protection and management of industrial trainees	Small and Medium Business Administration	Korea Federation of Small and Medium Businesses	Approx. 20 countries	Safety education: 3 out of a total of 20 hours

6. Education evaluation system



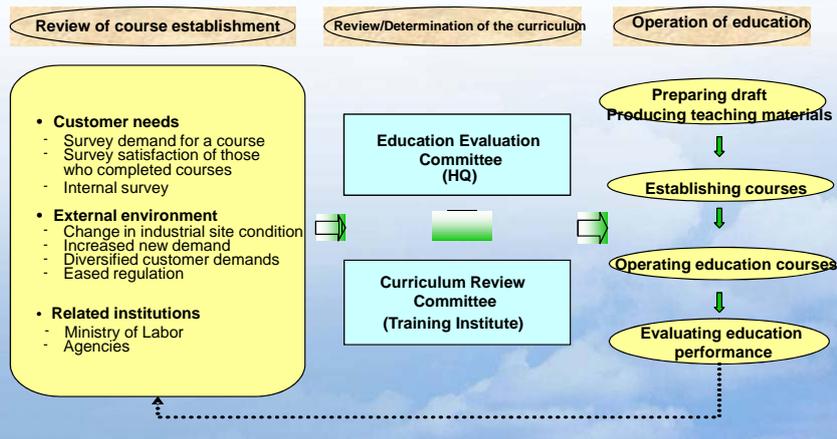
External survey	Internal survey	Monitoring system
Survey by outside research agency	Recruitment and selection	Community, e-survey
Survey needs objectively	Survey needs from trainee's viewpoint	Survey needs from workplaces' viewpoint
Objectivity of evaluation index Identify and utilize demand for education	Immediate feedback possible Analysis per course/program	Satisfaction increase by exchange of information Identify customers' diverse needs

Ensuring internal stability for education evaluation



Organizing and operating the 「Education Evaluation Committee」

- The committee consists of at most 10 members including the chairman and secretary
- Committee members are invited from labor-employer-government and academe (3-year term)



7. Computerized/Information-oriented education



- Establishing an integrated website for Training Institute, regional education information center, and Area Offices to deal promptly with needs and complaints
- Measure for establishing a system to deal with education-related complaints
- Improve the level of education service for outside education demand.
 - Issue certificate for course registration and course completion (online and off line).
 - Integrated management for complaints and questions
 - Enable customers to check the curriculum and complete courses with ease.
- Improve internal administration efficiency.
 - Information on the curriculum and timeframe, receipt of course registration, issuance of course completion certificate,
 - Real-time management and analysis for education results, etc.
 - Survey on the satisfaction of those who completed courses and education demand
 - Building a DB for those who completed courses to establish efficient follow-up management

(Supplement) Safety and health management system and provisions



Safety and health manager (Article 13)

- ①The employer should appoint a **safety and health manager** who will manage the following:
1. Matters on the establishment of an industrial accident and disease prevention plan
 2. Preparation of safety and health management regulations and their revision
 3. Matters on safety and health education for workers
 4. Matters on checking and improving the work environment such as environment monitoring
 5. Matters on health management for workers such as health exam
 6. Matters on the investigation of industrial accident and disease causes and prevention measures
 7. Matters on recording statistics and its maintenance
 8. Matters on checking the quality of safety device and protectors related to safety and health
 9. Matters on promoting prevention of hazard and danger
- ②The safety and health manager controls and supervises the safety manager and health manager.
- ◆ The manager is appointed at workplaces with 100 or more full-time workers or those specified by the Ordinance of the Ministry of Labor.

Chapter 2 Safety and health management system and provisions



Supervisor (Article 14)

- ①The employer should appoint a **supervisor** (who directly leads and supervises works related to production and team members under him/her) who will perform **safety and health-related jobs** such as safety/health check.
- The supervisor should perform additional services such as the provision of education for the work requiring the prevention of hazards.
1. **Safety education** for workers engaging in hazardous work
 2. **Performance inspection** for machines with hazard or danger (applicable to qualified person)
 3. Other services for preventing hazards as determined and announced publicly by the Minister of Labor
- ②The appointment of a supervisor shall be considered appointing the safety manager and health manager pursuant to Items 2 and 3, Clause 1, Article 26-3 of the Construction Technology Management Act.
- ◆ Fine for negligence: at most KRW 5 million

Chapter 2 Safety and health management system and provisions



Safety Manager (Article 15)

① The employer should appoint a safety manager who will assist the employer and safety and health manager in safety-related technical matters and advise the supervisor.

1. Services reviewed and decided by the occupational safety and health committee and other services specified by the safety and health management regulations of the workplace and employment rule
2. Check and select protectors, machinery, instrument, facility, etc., at the time of purchase
3. Establishment and implementation of the safety education plan
4. Inspection tour of the workplace and provision of advice and recommendation
5. Investigation of the accident/disease cause and provision of technical advice and assistance for prevention
6. Advice on the maintenance and management of statistics related to industrial accident and disease (safety area)
7. Recommendation as to actions on violators of the act, order, safety and health management regulations, or employment rule
8. Other matters related to safety as specified by the Minister of Labor

- ◆ Details as to the type of business and size requiring a safety manager and number of safety managers, method of appointment [Schedule 3]
- ◆ Number of safety managers: one manager for 50 ~499 full-time workers, two managers for 500 and more full-time workers

Chapter 2 Safety and health management system and provisions



Health manager (Article 16)

The employer should appoint a **health manager** who will assist the employer and safety and health manager on health-related technical matters and advise other supervisors.

Item	Service
Common	<ol style="list-style-type: none"> ① Services specified by the safety and health management regulations and by the employment rule ② Work management to prevent ill health ③ Check and select protector at the time of purchase. ④ Post or keep the material safety data sheet (MSDS). ⑤ Health management and guidance for health promotion ⑥ Inspection tour for the workplace and advice/recommendation for actions ⑦ Investigation of cause of occupational disease and establishment of measures ⑧ Advice and assistance for the maintenance and management of industrial accident and disease (health sector)-related statistics
Doctor/Nurse	<ol style="list-style-type: none"> ① Services of occupational physician (medical doctor) ② Medical treatment (trauma, first aid, advice for and management of patient of a disease, administering medication)
Occupational (health) hygiene	<ol style="list-style-type: none"> ① Check ventilation device, advice on engineering improvement for the work method



Thank you

www.kosha.or.kr

