

### **Annex 3 Courses and Hours of Safety and Health Education and Trainings specified for Occupational Safety and Health Management Personnel**

#### **I. Courses and hours of safety and health education and trainings**

specified for occupational safety management specialist (total 130 hours, including 6 hours of practicum)

No.	Course Name	Hour(s)
1	Occupational safety and health-related regulations	58 hours
(1)	Introduction to labor laws (including labor inspection laws and regulations)	3 hours
(2)	Occupational safety and health laws and regulations	3 hours
(3)	Occupational Safety and Health Facility Rules	6 hours
(4)	Regulations of Occupational Safety and Health Management	3 hours
(5)	Occupational Safety and Health Education and Training Rules	2 hours
(6)	Introduction to labor health laws and regulations (including Labor Health Protection Rules, Regulations of the Maternity Health Protection at the Workplace, etc.)	2 hours
(7)	Hazardous Work Place Review and Inspection Regulations	2 hours
(8)	Construction Safety and Health Facility Standard	3 hours
(9)	Regulations Governing High Pressure Gas Labor Safety	3 hours
(10)	Regulations for Safety Inspection of Dangerous Machines and Equipment	3 hours
(11)	Harmful substance hazard prevention laws and regulations (including Prevention Rules of Organic Solvent Intoxication, Prevention	3 hours

	Standards of Specified Chemical Substance Hazards, Lead Intoxication Prevention Rules, Dust Hazard Prevention Standards, Prevention Rules of Tetra-Alkyl Lead Intoxication, etc.)	
(12)	Regulations for the Labeling and Hazard Communication of Hazardous Chemicals	3 hours
(13)	Hypoxia Prevention Rules (including Hazards Prevention Rules of Confined Space)	3 hours
(14)	Labor Workplace Monitoring Implementation Measures and Permissible Exposure Levels	2 hours
(15)	Hazardous machinery and equipment safety-related regulations (Including Regulations Governing High Pressure Gas Labor Safety, Safety Rules for Cranelifts, Safety Rules for Boilers and Pressure Vessels, etc.)	3 hours
(16)	Safety Standard of Machinery and Equipment	3 hours
(17)	Hazardous chemical management-related laws and regulations (including Regulations on Hazardous Chemicals Assessment and Control Banding, Regulations on New Chemical Substances Registration, Regulations Governing Designation and Handling Permission of Controlled Chemicals, Regulations Governing Designating and Handling of Priority Management Chemicals)	3 hours
(18)	Regulations for Periodic Implementation of Process Safety Assessment	3 hours
(19)	Laws and regulations related to operations with special hazards (including Standards for Labor Work/Rest Time in High-Temperature Workplace, Protection Standards for Labors in Heavy Physical Operations, Vision Protection Standards for Labors in Precision Operations,	2 hours

	Protection Standards for Labors Working at Height, Prevention Standards of Abnormal Pressure Hazards, etc.)	
(20)	Machinery, equipment and device safety-related management laws and regulations (including Implementation, Supervision and Management Measures for Mechanical Product Type Certification, Machinery and Equipment Safety Information Reporting and Registration Measures, Supervision and Management Measures for Machinery and Equipment, etc.)	3 hours
2.	Occupational safety and health planning and management	16 hours
(1)	Occupational safety and health management system (including contract management, procurement management and management of change)	4 hours
(2)	Establishment of safety and health work codes	2 hours (including 1 hour of practicum)
(3)	Establishment of safety and health management regulations and occupational safety and health management plan	6 hours (including 2 hours of practicum)
(4)	Establishment job safety analysis and safety operation standards	4 hours (including 2 hours of practicum)
3.	Professional courses	56 hours
(1)	Advanced introduction of occupational safety	3 hours
(2)	Risk assessment (including construction risk assessment)	2 hours
(3)	Construction operation safety	3 hours

(4)	Electrical safety	3 hours
(5)	Machinery safety protection	3 hours
(6)	Workplace design and layout	3 hours
(7)	System safety and run-away reaction control	4 hours
(8)	Loss control and risk management	4 hours
(9)	Fire and explosion hazard prevention	3 hours
(10)	Introduction to Occupational Hygiene and Occupational Diseases Prevention	3 hours
(11)	Hazard and assessment management of hazardous chemicals	3 hours
(12)	Personal protective equipment	3 hours
(13)	Human factor engineering	3 hours
(14)	Labor physiology	2 hours
(15)	Workplace health management (including physical and mental health hazards, tobacco control and AIDS prevention)	2 hours
(16)	Workplace control engineering	3 hours
(17)	Organization coordination and communication (including professional ethics)	2 hours
(18)	Occupational accident response, investigation and statistics	3 hours (including 1 hour of practicum)
(19)	Safety and health monitoring instruments	4 hours (2 hours for safety and health respectively)

## II. Courses and hours of safety and health education and trainings

specified for occupational health management specialist (total 130 hours, including 6 hours of practicum)

No.	Course Name	Hour(s)
1	Occupational safety and health-related regulations	51 hours
(1)	Introduction to labor laws (including labor inspection laws and regulations)	3 hours
(2)	Occupational safety and health laws and regulations	3 hours
(3)	Occupational Safety and Health Facility Rules	6 hours
(4)	Regulations of Occupational Safety and Health Management	3 hours
(5)	Occupational Safety and Health Education and Training Rules	2 hours
(6)	Labor health-related laws and regulations (including Labor Health Protection Rules, Regulations of the Maternity Health Protection at the Workplace, Conducting Labor Physical and Medical Examination and Accreditation of Health and Inspection Medical Institutions and their Management Measures, etc.)	3 hours
(7)	Hazardous Workplace Safety and Management Regulations (including Hazardous Workplace Review and Inspection Regulations, Regulations for Periodic Implementation of Process Safety Assessment, etc.)	2 hours
(8)	Construction safety and health-related regulations	2 hours
(9)	Prevention Rules of Organic Solvent Intoxication	2 hours
(10)	Lead Intoxication Prevention Rules	2 hours

(11)	Prevention Standards of Specified Chemical Substance Hazards	2 hours
(12)	Dust Hazard Prevention Standards	2 hours
(13)	Permissible Exposure Levels of Workplace Airborne Harmful Substances	2 hours
(14)	Hypoxia Prevention Rules (including Hazards Prevention Rules of Confined Space)	3 hours
(15)	Regulations for the Labeling and Hazard Communication of Hazardous Chemicals	3 hours
(16)	Labor Workplace Monitoring Implementation Regulations	2 hours
(17)	Hazardous chemical management-related laws and regulations (including Regulations on Hazardous Chemicals Assessment and Control Banding, Regulations on New Chemical Substances Registration, Regulations Governing Designation and Handling Permission of Controlled Chemicals, Regulations Governing Designating and Handling of Priority Management Chemicals)	3 hours
(18)	Laws and regulations related to operations with special hazards (including Standards for Labor Work/Rest Time in High-Temperature Workplace, Protection Standards for Labors in Heavy Physical Operations, Vision Protection Standards for Labors in Precision Operations, Protection Standards for Labors Working at Height, and Prevention Standards of Abnormal Pressure Hazards, etc.)	4 hours
(19)	Hazardous machinery and equipment safety-related regulations (Including Regulations Governing High Pressure Gas Labor Safety, Safety Rules for Cranelifts, Safety Rules for Boilers and Pressure Vessels, etc.)	2 hours

2.	Occupational safety and health planning and management	16 hours
(1)	Occupational safety and health management system (including contract management, procurement management and management of change)	4 hours
(2)	Establishment of safety and health work codes	2 hours (including 1 hour of practicum)
(3)	Establishment of safety and health management regulations and occupational safety and health management plan	6 hours (including 2 hours of practicum)
(4)	Establishment job safety analysis and safety operation standards	4 hours (including 2 hours of practicum)
3.	Professional courses	63 hours
(1)	Advanced introduction of occupational safety	3 hours
(2)	Introduction to Occupational Hygiene and Occupational Diseases Prevention	3 hours
(3)	Hazardous chemical substance exposure risk assessment and management	4 hours
(4)	Health risk assessment	3 hours
(5)	Personal protective equipment (including respiratory protection plan)	4 hours
(6)	Noise and vibration	3 hours
(7)	Hot and humid environment	3 hours
(8)	Lighting and illumination	2 hours
(9)	Non-ionizing radiation and ionizing radiation	3 hours
(10)	Introduction to workplace monitoring	3 hours
(11)	Physical factor workplace monitoring (including	3 hours

	monitoring instrument)	
(12)	Chemical factor workplace monitoring (including monitoring instrument)	3 hours
(13)	Introduction to industrial toxicology	2 hours
(14)	Labor physiology	2 hours
(15)	Workplace physical and mental health management	3 hours
(16)	Labor health and banding management (including biologic pathogen hazard, maternity health, tobacco control and AIDS prevention)	2 hours
(17)	First Aid	3 hours
(18)	Workplace control engineering	3 hours
(19)	Organization coordination and communication (including professional ethics)	2 hours
(20)	Occupational accident response, investigation and statistics	3 hours (including 1 hour of practicum)
(21)	Ventilation and air exchange	3 hours
(22)	Local ventilation control and design	3 hours



III. Courses and hours of safety and health education and trainings  
specified for occupational safety and health management staff (total  
115 hours, including 6 hours of practicum)

No.	Course Name	Hour(s)
1	Occupational safety and health-related regulations	43 hours
(1)	Introduction to labor laws (including labor inspection laws and regulations)	3 hours
(2)	Occupational safety and health laws and regulations	3 hours
(3)	Occupational Safety and Health Facility Rules	6 hours
(4)	Regulations of Occupational Safety and Health Management	3 hours
(5)	Occupational Safety and Health Education and Training Rules	2 hours
(6)	Introduction to labor health laws and regulations (including Labor Health Protection Rules, Regulations of the Maternity Health Protection at the Workplace, etc.)	2 hours
(7)	Hazardous Workplace Safety and Management Regulations (including Hazardous Workplace Review and Inspection Regulations, Regulations for Periodic Implementation of Process Safety Assessment, etc.)	2 hours
(8)	Construction safety and health-related regulations	2 hours
(9)	Regulations for the Labeling and Hazard Communication of Hazardous Chemicals	2 hours
(10)	Hypoxia Prevention Rules (including Hazards Prevention Rules of Confined Space)	3 hours
(11)	Hazardous machinery and equipment safety-related regulations (Including	2 hours

	Regulations Governing High Pressure Gas Labor Safety, Safety Rules for Cranelifts, Safety Rules for Boilers and Pressure Vessels, etc.)	
(12)	Machinery, equipment and device safety-related management laws and regulations (including Implementation, Supervision and Management Measures for Mechanical Product Type Certification, Machinery and Equipment Safety Information Reporting and Registration Measures, Supervision and Management Measures for Machinery and Equipment, etc.)	3 hours
(13)	Hazardous chemical management-related laws and regulations (including Regulations on Hazardous Chemicals Assessment and Control Banding, Regulations on New Chemical Substances Registration, Regulations Governing Designation and Handling Permission of Controlled Chemicals, Regulations Governing Designating and Handling of Priority Management Chemicals)	3 hours
(14)	Harmful substance hazard prevention laws and regulations (including Prevention Rules of Organic Solvent Intoxication, Prevention Standards of Specified Chemical Substance Hazards, Lead Intoxication Prevention Rules, Dust Hazard Prevention Standards, Prevention Rules of Tetra-Alkyl Lead Intoxication, etc.)	3 hours
(15)	Laws and regulations related to operations with special hazards (including Standards for Labor Work/Rest Time in High-Temperature Workplace, Protection Standards for Labors in Heavy Physical Operations, Vision Protection Standards for Labors in Precision Operations,	2 hours

	Protection Standards for Labors Working at Height, Prevention Standards of Abnormal Pressure Hazards, etc.)	
(16)	Labor Workplace Monitoring Implementation Measures and Permissible Exposure Levels	2 hours
2.	Occupational safety and health planning and management	16 hours
(1)	Occupational safety and health management system (including contract management, procurement management and management of change)	4 hours
(2)	Establishment of safety and health work codes	2 hours (including 1 hour of practicum)
(3)	Establishment of safety and health management regulations and occupational safety and health management plan	6 hours (including 2 hours of practicum)
(4)	Establishment job safety analysis and safety operation standards	4 hours (including 2 hours of practicum)
3.	Professional courses	56 hours
(1)	Introduction to occupational safety	3 hours
(2)	Risk assessment (including construction risk assessment)	2 hours
(3)	Construction operation safety	3 hours
(4)	Electrical safety	3 hours
(5)	Machinery safety protection	3 hours
(6)	Prevention of falling hazards (including collapsing, falling)	4 hours
(7)	Fire and explosion prevention	3 hours

(8)	Dangerous machinery and equipment management	3 hours
(9)	Material handling	2 hours
(10)	Introduction to occupational hygiene and occupational diseases prevention	3 hours
(11)	Personal protective equipment	3 hours
(12)	Physical hazard prevention	2 hours
(13)	Chemical hazard prevention	2 hours
(14)	First Aid	3 hours
(15)	Workplace health management (including physical and mental health hazards, tobacco control and AIDS prevention)	2 hours
(16)	Workplace control engineering	3 hours
(17)	Organization coordination and communication (including professional ethics)	2 hours
(18)	Occupational accident response, investigation and statistics	3 hours (including 1 hour of practicum)
(19)	Safety and health monitoring instruments	4 hours (2 hours for safety and health respectively)
(20)	Ventilation and air exchange	3 hours