



**RULE OF
THE DEPARTMENT OF LABOUR
PROTECTION AND WELFARE ON THE TRAINING
CURRICULUM FOR SAFETY OFFICERS
B.E.2549
(DATED 16 NOVEMBER 2006)**



**RULE OF THE DEPARTMENT OF LABOUR
PROTECTION AND WELFARE ON THE TRAINING
CURRICULUM FOR SAFETY OFFICERS
B.E. 2549 (A.D. 2006)**

By virtue of Clause 9 of the Announcement of the Department of Labour Protection and Welfare on Criteria and Method of Training for Occupational Safety Officers dated 18 August 2006 which provides for the consistency of the training curriculum for safety officers in all levels with the Rules prescribed by the Director-General of the Department of Labour Protection and Welfare, this Regulation is therefore set forth by the Director-General as follows:

Clause 1 This Rule shall be called “The Rule of the Department of Labour Protection and Welfare on the Training Curriculum for Safety Officers B.E. 2549 (A.D, 2006).”

Clause 2 This Rule shall come into force from the date of its promulgation.

Clause 3 The Director-General of the



Department of the Labour Protection and Welfare shall be in charge of this Rule.

CHAPTER 1

TRAINING CURRICULUM FOR SAFETY OFFICERS IN SUPERVISORY LEVEL

Clause 4 The training curriculum for safety officers in supervisory level shall has the training period of twelve hours comprising of 4 courses as follows:

(1) Course 1 : knowledge concerning occupational safety and duty and role of the supervisors with a training period of three hours consisting of the subjects on:

- (a) Knowledge concerning occupational safety and health;
- (b) Duty and role of the safety officers in supervisory level.

(2) Course 2 : Law on occupational safety, health and work environment with a training period of three hours consisting of the subjects on:

- (a) Administration of the law on occupational



safety, health and work environment of the Ministry of Labour.

- (b) Substances of the law on occupational safety, health and work environment and the implementation of the law.

(3) Course 3 : The detection of occupational hazards with a training period of three hours consisting of the subjects on:

- (a) Safety inspection
- (b) Work analysis for safety
- (c) Investigation and report of an accident.

(4) Course 4 : Hazard prevention and control with a training period of three hours consisting of the subjects on:

- (a) Prevention and control of hazard arising from machinery
- (b) Prevention and control of hazard arising from electricity
- (c) Prevention and control of hazard arising from removal and storage of materials
- (d) Prevention and extinguishment of fire in workplace
- (e) Prevention and control of hazard arising from working environment.



- (f) Prevention and control of hazard arising from chemicals
- (g) Prevention and control of problem in ergonomics
- (h) Prevention and control of hazard in construction work
- (i) Usage of personal protective equipment.

CHAPTER 2

TRAINING CURRICULUM FOR SAFETY OFFICERS IN TECHNICAL LEVEL

Clause 5 The training curriculums for safety officers in technical level shall have a training period of eighteen hours comprising 4 courses as follows:

(1) Course 1 : Management on occupational safety and health with a training period of three hours consisting of the subjects on:

- (a) Management concept for occupational safety and health;
- (b) Roles and duty of the safety officers in technical level;

(2) Course 2 : Laws on occupational safety, health and work environment with a training period of



three hours consisting of the subjects on:

- (a) The substance of law on occupational safety, health and work environment;
- (b) Inspection of safety in accordance with the provisions of the law.

(3) Course 3 : The work analysis to identify the hazard with a training period of six hours consisting of the subjects on:

- (a) Techniques for identifying hazards in order to prevent occupational accidents;
- (b) Techniques for identifying hazards in order to prevent occupational diseases;
- (c) Techniques for identifying hazards in order to prevent major incidents.

(4) Course 4 : Practical training on hazard prevention and control with a training period of six hours consisting of the subjects on:

- (a) Practical training on inspection of safety in accordance with the provisions of the law;
- (b) Practical training on arrangement of working procedures;
- (c) Practical training on investigation of accident and preparation of reports.



CHAPTER 3

TRAINING CURRICULUM FOR SAFETY OFFICERS IN ADVANCED TECHNICAL LEVEL

Clause 6 The training curriculums for safety officers in advanced technical level shall have a training period of one hundred and eighty hours comprising 6 courses as follows:

(1) Course 1 : Occupational Safety and health law and promotion with a training period of thirty hours consisting of the subjects on:

- (a) Administration of the law on occupational safety, health and work environment of the Ministry of Labour with a period of three hours.
- (b) Substance of the law on occupational safety, health and work environment with a period of nine hours.
- (c) Substance of the law on compensation fund with a period of three hours.
- (d) Safety of newly engaged employees and safety in office with a period of one hour.
- (e) Off-the-job safety with a period of one hour and thirty minutes.



- (f) Human relations in establishment with a period of one hour and thirty minutes.
- (g) Interpersonal communication and participation with a period of one hour and thirty minutes.
- (h) Job instruction and practical training with a period of three hours.
- (i) Training for employees concerning safety with a period of one hour and thirty minutes.
- (j) Safety information with a period of one hour and thirty minutes.
- (k) Safety promotion activities with a period of three hours.

(2) Course 2 : Environmental and industrial hygiene with a training period of thirty hours consisting of the subjects on:

- (a) Basic knowledge and the law on industrial hygiene with a period of one hour and thirty minutes.
- (b) Hazard arising from heat and cold, hazard arising from biological environment and the prevention with a period of one hour and thirty minutes.



- (c) Hazard arising from noise and hearing conservation, hazard arising from vibrations, hazard arising from abnormal pressure and prevention there of with a period of three hours.
- (d) Hazard arising from radiation and prevention with a period of one hour and thirty minutes.
- (e) Occupational safety in confined space with a period of one hour and thirty minutes.
- (f) Hazard arising from chemical environment and prevention with a period of three hours.
- (g) Safety in the use of chemical substances with a period of three hours.
- (h) Measurement and assessment of the occupational environment and practical training with a period of twelve hours.
- (i) Principle on control of environmental pollution with a period of one hour and thirty minutes.
- (j) Management of chemical incident with a period of one hour and thirty minutes.

(3) Course 3 : Safety engineering and technology with a training period of thirty hours



consisting of the subjects on:

- (a) Basic knowledge and law on safety engineering with a period of one hour and thirty minutes.
- (b) Work permit system with a period of one hour and thirty minutes.
- (c) Occupational safety concerning machinery with a period of three hours.
- (d) Occupational safety concerning boilers and pressure tank with a period of three hours.
- (e) Occupational safety concerning crane and machine tools with a period of three hours.
- (f) Maintenance for safety with a period of three hours.
- (g) Occupational safety concerning electricity with a period of three hours.
- (h) Occupational safety concerning construction work with a period of three hours.
- (i) Prevention and extinguishment of fire with a period of three hours.
- (j) The principle of ventilation with a period of three hours.
- (k) Removal and storage of materials with a period of one hour and thirty minutes.



(1) Use of personal protection equipment with a period of one hour and thirty minutes.

(4) Course 4 : Health care of employees with a training period of thirty hours consisting of the subjects on:

(a) Basic knowledge and law on health care of employees with a period of one hour and thirty minutes.

(b) Detection of the health problems and cause of illness among employee groups with a period of one hour and thirty minutes.

(c) Assessment of risks arising from occupational diseases with a period of one hour and thirty minutes.

(d) Health examination of employees with a period of one hour and thirty minutes.

(e) Analysis of health data for planning with a period of one hour and thirty minutes.

(f) Surveillance of health of the employees with a period of one hour and thirty minutes.

(g) Surveillance of disease with the epidemiological method with a period of one hour and thirty minutes.



- (h) The principle of diagnosis of the occupational disease with a period of one hour and thirty minutes.
 - (i) First Aid in establishment with a period of three hours.
 - (j) Demonstration and practical training on First Aid with a period of three hours.
 - (k) Enhancement of the health of employees with a period of three hours.
 - (l) Management of psycho-social problems the workplace by applying the SOLVE technique with a period of three hours.
 - (m) Prevention and control of alcohol, cigarette and narcotic problems in establishment with a period of one hour and thirty minutes.
 - (n) Arrangement of health welfare and service units in establishment with a period of one hour and thirty minutes.
 - (o) Seminar on operating guidelines for employee's health care with a period of three hours.
- (5) Course 5** : Ergonomics and improvement of working condition with a training period of thirty



hours consisting of the subjects on:

- (a) Basic knowledge concerning ergonomics with a period of three hours.
- (b) Work psychology concerning ergonomics with a period of one hour and thirty minutes.
- (c) Measurement of human body composition with a period of one hour and thirty minutes.
- (d) Working unit and working gesture with a period of three hours.
- (e) Tools and interaction between man and machine with a period of one hour and thirty minutes.
- (f) Ergonomics in office with a period of one hour and thirty minutes.
- (g) Lifting and removal of materials by using equipment and without equipment with a period of three hours.
- (h) Occupational muscle pain and exercise for muscle relaxation with a period of one hour and thirty minutes.
- (i) Safety signs and color standard with a period of one hour and thirty minutes.
- (j) Productivity and improvement of



workplace with a period of one hour and thirty minutes.

- (k) The survey on ergonomics with a period of one hour and thirty minutes.
- (l) Analysis of the characteristics of work and knowledge application ergonomics to improve working condition with a period of three hours.
- (m) Study visit at the establishment with a period of three hours.
- (n) Seminar for analyzing the results of study visit with a period of three hours.

(6) Course 6 : Occupational safety and health management with a training period of thirty hours consisting of the subjects on:

- (a) The concept on the occupational safety and health management system with a period of three hours.
- (b) The concept on the standard for occupational safety and health management system of the Ministry of Labour with a period of one hour and thirty minutes.
- (c) The occupational safety and health management system of the Thai Industrial



- Standards Institute with a period of one hour and thirty minutes.
- (d) Work analysis for safety, setting of performance standard and work observation with a period of one hour and thirty minutes.
 - (e) Investigation and analysis of accident and accident report with a period of three hours.
 - (f) Risk management on occupational safety with a period of six hours.
 - (g) Safety inspection with a period of one hour and thirty minutes.
 - (h) Emergency plan and preparedness in case of emergency with a period of one hour and thirty minutes.
 - (i) Formulation and analysis of the work plan on safety project with a period of three hours.
 - (j) Measurement and assessment of work performance and internal audit with a period of three hours.
 - (k) Experience in setting of the management system of occupational safety, health and work environment in establishment with a period of three hours of.



CHAPTER 4

TRAINING CURRICULUM FOR SAFETY OFFICERS IN PROFESSIONAL LEVEL

Clause 7 The training curriculum for safety officers in professional level shall have a training period of forty-two hours comprising 3 courses as follows:

(1) Course 1: Risk management on safety with a training period of twelve hours consisting of the subjects on:

- (a) The concept on risk management on safety;
- (b) Risk assessment and formulation of the work plan on risk management on safety.
- (c) Practical training on hazard identification, risk assessment and formulation of the work plan on risk management on safety.

(2) Course 2 : Formulation and analysis of the work plan on safety project with a training period of six hours consisting of the subjects on:

- (a) Principle on formulation of the work plan on safety project;
- (b) Occupational safety activities;



(c) Auditing and assessment of work performance of the establishment.

(3) Course 3 : Measurement and assessment of occupational environment with a training period of twenty-four hours consisting of the subjects on::

- (a) Principle on assessment of the occupational environment;
- (b) Methods of measurement and assessment of the intensity of lighting and practical training;
- (c) Methods of measurement and assessment of heat level and practical training;
- (d) Methods of measurement and assessment of noise exposure and practical training;
- (e) Preparation of a report on measurement and assessment of the occupational environment.

CHAPTER 5

TRAINING CURRICULUM FOR SAFETY OFFICERS IN MANAGEMENT LEVEL

Clause 8 The training curriculums for safety officers in management level shall have a training



period of twelve hours comprising 3 courses as follows:

(1) Course 1: Management of occupational safety with a training period of three hours consisting of the subjects on:

- (a) Concept on management of occupational safety;
- (b) Roles and duties of the safety officer in management level.

(2) Course 2 : Law on occupational safety, health and work environment with a training period of three hours consisting of the subjects on:

- (a) Administration of law on occupational safety, health and work environment of the Ministry of Labour;
- (b) The substance of the law on occupational safety, health and work environment and the implementation of the law.

(3) Course 3 : Management of occupational safety and health with a training period of six hours consisting of the subjects on:

- (a) Management concept on occupational safety and health;



- (b) Concept on management standard of occupational safety and health of the Ministry of Labour;
- (c) Occupational safety and health management system of the Thai Industrial Standards Institute;
- (d) Application of the system for management of occupational safety and health in the workplace.

Given on the 16th day of November 2006

(signed)

(Mr. Phadungsak Thephasadin Na Ayutthaya)
Director - General,
Department of Labour Protection and Welfare