

HAZARD IDENTIFICATION, RISK ASSESSMENT AND RISK CONTROL (HIRARC)

DATE: 20-21 July / 15-16 November 2023
FEE: RM850

DURATION: 2 Days
HRD CORP SCHEME:
HRD Corp Claimable Courses

PROGRAM OVERVIEW

Hazard Identification, Risk Assessment and Risk Control (HIRARC) is a basic form of risk management to daily business operations. This is a proactive way of managing hazard and risk, so that we will able to control the identified hazard before it becomes the root cause of an accident. Additionally, HIRARC is a regulatory requirement under the law (OSHA and its Regulations).

This program will enable employers to plan, introduce and monitor preventive measures to ensure that the risks are adequately controlled at all times.

LEARNING OUTCOMES

Upon completion of this program, participants will be able to:

- Categorise type of Workplace Hazards
- Identify workplace hazard and evaluate the risk
- Conduct workplace hazard identification effectively
- Develop workplace OSH Risk Assessment
- Recommend appropriate control measures according to Hierarchy of Control
- Implement recommended control measure
- Monitor and review the implement control measure accordingly

METHODOLOGY

- Lecture
- Group Discussion
- Case Study
- Role Play
- Quizzes

WHO SHOULD ATTEND

- Mid/Senior Level Manager
- First Level Manager
- Executive/Supervisory
- Non-Executive

FACILITATOR

Prabakaran Muniandy

He has 30 years of working experience in various Industries and has wide Operational Safety Health and Occupational Safety Health experiences. He currently holds the post of Safety Health & Risk Manager in one of the MNCs. With wide experience in Occupational Safety and Health (OSH) fields, PRABAGARAN has been actively involved in various capacities of consultancy, training, audits, management systems development and risk assessment for different organisations for 15 years especially in workplace safety health management. His knowledge and experiences in Occupational Safety & Health and Technical field allows him to combine all elements in his training and consultancy.

PROGRAM CONTENT

Module 1

OSH Related Legal Requirement

Participants will be exposed to OSHA 1994 requirements related to workplace OSH implementation.

- Definition related to safety and health, OSHA 1994 requirement for risk assessment
- Employer Responsibilities
- Employees responsibilities
- Designers, Manufacturers and Suppliers responsibilities
- Safety Health Organisation at Workplace
- Reporting of Workplace Accident and Investigation

Module 2

Identify Category and Type of Workplace OSH Hazards

- What is Hazard?
- Category of workplace hazards

Module 3

Methods and Tools For Workplace OSH Hazard Identification

In this module participants will be exposed to how to carry out hazard identification:

- Workplace inspection
- Workplace observation
- Review of Accident investigation report / statistics
- Internal / External Auditds
- Others

Module 4

Evaluating Identified Workplace OSH Hazards

In this module, participants will be exposed to evaluate the identified risk as per the severity and probability so that the employer will be able to prioritize the risk as per risk matrix. Once prioritised according to the risk level then management will be able to plan strategies to mitigate the workplace risk.

Module 5

Recommend Control Measure to Identified Workplace OSH Hazard

In this module, participants will be explained what control measures are in accordance with the Hierarchy of Control. They will be able to recommend appropriate control measures according to their available resources.

- Hierarchy of Control
- Eliminate
- Isolate
- Substitute
- Engineering Control
- Administrative Control
- Personal Protective Equipment (PPE)

Module 6

Preparation of Workplace OSH Risk Assessment

In this module participants will be exposed on how to evaluate the identified risk using a risk matrix. With this information participants will be able to assess and evaluate which are the hazards with HIGH risk, MEDIUM and LOW risk, to ensure risk priorities.

Module 7

Implement the Recommended Control Measure

In this module, participants will be exposed to Hierarchy Of Control which focuses on Elimination, Substitution, Isolation, Engineering Control, Administrative Control and Personal Protective Equipment to mitigate the risk that has been assessed from the potential hazards at the workplace.

Module 8

Monitor the Control Measure Effectiveness

Participants will be exposed to continuously monitor the implemented risk mitigation plan as per risk assessment carried out earlier whether the risk mitigation implemented is effective, create an opportunity to identify the new hazards or additional control measure if needed.

Module 9

Review the Effectiveness of Implemented Control Measure

Participants will be able to review the risk assessment if there is any additional control measure that needs to be implemented and update the risk assessment form accordingly.



PROGRAM SCHEDULE

Day 1

9:00am - 10:30am	:	Module 1
10:30am - 10:45am	:	Coffee Break
10:45am - 1:00pm	:	Module 2 & 3
1:00pm - 2:00pm	:	Lunch
2:00pm - 3:30pm	:	Module 4
3:30pm - 3:45pm	:	Coffee Break
3:45pm - 5:30pm	:	Module 5
		End of the day

Day 2

9:00am - 10:30am	:	Module 6
10:30am - 10:45am	:	Coffee Break
10:45am - 1:00pm	:	Module 7
1:00pm - 2:00pm	:	Lunch
2:00pm - 3:30pm	:	Module 8
3:30pm - 3:45pm	:	Coffee Break
3:45pm - 5:30pm	:	Module 9
		End of the day

