

# Training Outline



## OSHE Management System Training Series

### *HIRARC Training*

#### *Training program overview*

HIRARC is an integration tool to identify, assess/measure and to control hazard and risk of any workplace and its activities. By strictly implementing it, it will eliminate, reduce/control the possibility for any accidents to occur.

According clause 6.1.2 of ISO 45001:2018, the organization shall establish, implement and maintain a process(es) for hazard identification that is ongoing and proactive. Also, the organization shall establish, implement and maintain a process(es) to assess OH&S risks from the identified hazards.

The HIRARC training has been designed to cater the needs of Occupational Health & Safety Practitioner in meeting their task for risk management.

In additional, a tool of HIRARC template is used to drive the method of risk assessment to incorporate with ISO 45001 standard by readily built-in the risk factor and extinguishment of hazard-risk aspects.

#### *Training Objectives*

1. Familiarize with concept of Hazard and risk in accordance with ISO 45001 model
2. Able to structure the process to identify hazard at work place based from nature of operation.
3. Better understanding on legislative aspect on OSH in Malaysia
4. To be an expert user of introduced HIRARC tool
5. To adapt HIRARC tool in compliance with company OSH regulation

#### *Training Scope / Guideline*

1. Occupational health and safety management systems – Requirements (ISO 45001:2007). Revision to ISO 45001 to substitute the existing standard is in progress.
2. HIRARC Guideline from JKKP 2008

## *Target Participant*

Safety Chairman, Safety & Health Officer, Document controller, Safety and Health Committee member, newly appointed Internal auditor, internal auditor

## *Training outline (1 to 3 days course)*

### **Module 1: Fundamental of risk and its consequences**

- ✓ Accident/Incident causation
- ✓ Relationships Among Causes of incident
- ✓ Example of reportable accident/incident

### **Module 2: National OSH Indicator & OSH Legislation**

- ✓ How can Risk Assessment Program help Employer to comply OSHA Amendment 2022?
- ✓ OSH (Amendment) Act significantly changed.
- ✓ OSH Framework
- ✓ OSH Driver – ILO, OSHMP, Vision Zero, SDG
- ✓ Standard requirements
- ✓ OSHA 1994 and its regulations
- ✓ OSHA Act Amendment impact to industries
- ✓ Other relevant aspects of legislation
- ✓ Applicability to the nature of workplace

### **Module 3: Risk Management**

- ✓ Risk Management process
- ✓ Principle of Risk Management
- ✓ ISO 45001:2018 Standard requirement on risk management

### **Module 4: Hazard and Risk**

- ✓ What is Hazard
- ✓ Understanding on Hazard-Danger-Risk (What is Hazard and what is danger)
- ✓ Source of Hazard and its classification
- ✓ Hazard Identification process
  - How to identify hazard.
  - Type and source of hazard
  - Correspondence of Hazard-Risk

### **Module 5: HIRARC Introduction**

- ✓ Principle of HIRARC
- ✓ Reference of HIRARC

- Guidelines for Hazard Identification, Risk Assessment and Risk Control (HIRARC) from JKKP
- ISO 45001 Standard requirement of Hazard identification, risk assessment and determining controls
- ✓ HIRARC flow
  - Type of HIRARC
  - HIRARC elements

### **Module 6: Workplace Risk Assessment**

- ✓ What is workplace assessment, benefits and the who's parties will involve?
- ✓ Workplace assessment: factor to consider
- ✓ Risk assessment Matrix

### **Module 7: How to use HIRARC Tool**

- ✓ Introduction of the tool
- ✓ Listing the jobs and define the process (activity) sequence in the Job List
- ✓ Job hazard identification and Analyze the Risk
- ✓ Class of hazard and description of hazard
- ✓ Risk analysis via E-S-I-E-A-P method
- ✓ Correspondence in legal aspects
- ✓ Likelihood vs Severity
- ✓ Recommendation control for significant risk
- ✓ Monitoring and review

**Note: A smart tool specifically designed for Hazard Identification, Risk Assessment, and Risk Control (HIRARC) will be offered for FREE. Each participant will receive hands-on training on how to effectively utilize this tool, enhancing their capability to identify and mitigate risks accurately. For those participating in the comprehensive training module, the itinerary will extend the learning process into practical, real-exercise applications through an onsite evaluation. This segment will involve a detailed physical assessment of your workplace environments using the smart HIRARC tool, allowing participants to apply their learned skills directly and observe the tool's functionality in real-time scenarios. This approach ensures that our training not only imparts theoretical knowledge but also equips participants with the practical skills necessary to improve workplace safety and compliance.**

## **Contact Information**

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**Trainer Profile: <http://osh-isis.com/outline/cprofile.pdf>**

**Trainer Profile: <http://osh-isis.com/outline/dmn.pdf>**

# Why Us

## Why OSH-ISIS Shall Be Your Preferred Partner

OSH ISIS provide a professional services motivated to design management system through dynamic platform for industry stakeholders.

More view on our system (click for viewing;



Simplified Management System






Hyperlinked Management System

**Read More..**

### OSH-ISIS Provide Solution for:



OSH Training	OSH Smart Tool	OSH Consultancy	OSHE&Q Facilitation
	<a href="https://youtu.be/Nk4OVIOkcUA">https://youtu.be/Nk4OVIOkcUA</a>	e-HIRARC Program. A smart tool for assessing risk and danger at workplace	Sample: <a href="http://osh-isis.com/hirarc.xlsx">http://osh-isis.com/hirarc.xlsx</a>
	<a href="https://youtu.be/ojkhfwsJyvE">https://youtu.be/ojkhfwsJyvE</a>	Integrated Safety Inspection System. An integration program to comply OSH-related laws and ISO 45001	Sample: <a href="http://osh-isis.com/isis.xls">http://osh-isis.com/isis.xls</a>
	<a href="https://youtu.be/D8Xotr76_cw">https://youtu.be/D8Xotr76_cw</a>	An effective management of OSH legal	