

# ESH 112E

## *Surveillance of Radio Frequency (RF) Radiation for Telecommunication Structure*

THIS COURSE CAN  
BE CONDUCT ONLINE

CLASSROOM COURSE

VENUE :  
HGS PAKA  
TERENGGANU /  
EAST COAST

### PREAMBLE

Nowadays, the wireless technology relies upon an extensive network of fixed antennas, or base stations, relaying information with radiofrequency (RF) signals. Over 1.4 million base stations exist worldwide and the number is increasing significantly with the introduction of third generation technology. The extensive use of mobile phones has been accompanied by a public debate about possible adverse health effects. The main concerns relate to the emissions of radiofrequency (RF) radiation from the phones and from the base stations that receive and transmit the signals and allow communication with the network. Because of the developing concern, the need to keep the radiation to stay low and still below the limit recommended, there must be a compliance that should be followed especially for the safety of general public as well as individuals hired and trained to work in an RF environment (occupational). This course will focus on the scope and checklist that need to follow for assessing the compliance of the mobile phone and base station against public exposure guidelines set by the enforcement body.

### COURSE OBJECTIVES

- To provide assistance in determining whether proposed or existing transmitting facilities, operations or devices comply with limits for human exposure to RF fields
- To offer guidelines and suggestions for evaluating compliance
- To demonstrate site compliance and provides standard site safety recommendation

### COURSE CONTENTS

- Radio Frequency Radiation Safety Practices: RF Health and Safety Outline
- Introduction to Mandatory Standard for Electromagnetic Field Emission from
- Radio-communication Infrastructure and Compliance Penalties
- Steps to compliance
- MPE overview/MPE math
- Work procedures when using RF monitors

### METHODOLOGY

Participative lectures  
Demonstration  
Group discussion

### WHO SHOULD ATTEND

Network Service Provider (NSP), Network Facility Provider (NFP), commercial wireless service providers, building owners, tower owners, communication site management companies, government entities, and many others from various business sectors.

**HRDF CLAIMABLE**

PAYMENT	FEES AT PENINSULAR MALAYSIA
<b>CLASSROOM COURSE FEE</b>	
Single Registration per pax	RM 1550.00
Team Discount per pax	RM 1470.00
<b>ONLINE COURSE FEE</b>	
Single Registration per pax	RM 1550.00
Team Discount per pax	RM 1470.00

An Associated Programme of



**Closing Date:**  
**1 WEEK BEFORE**  
**COURSE DATE**



Contact person  
Sofea - 019 698 3217  
Office email :  
info@hgsolution.com.my  
Office phone :  
03-8926 7102 / 7103

*Training Coordinator*

Ms. Sofea

+6019 - 698 3217

training@hgsolution.com.my

Yes! I am interested. Please register me for the ESH 112E programme Year 2022

**Classroom course :** ☐ 23 - 25 Mac ☐ 8 - 10 May ☐ 12 - 14 July

**Online course :** ☐ 6-8 Mac ☐ 10-12 Apr ☐ 17-19 May ☐ 13-15 June ☐ 5-7 July  
☐ 9-11 Aug ☐ 11-13 Sept ☐ 16-18 Oct ☐ 22-24 Nov ☐ 13-15 Dec

Payment (please tick) : ☐ SBL-KHAS ☐ Pay By Company

### CONTACT PERSON

Name	
Company	
Address 1	
Address 2	
Tel	
E-mail Address	

No	Participant Name	I/C No	E-Mail	Contact	Designation
1					
2					
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"No refund for notice of cancellation received less than 5 days prior to the event date"

**Certification will be issued by Malaysian Nuclear Agency**