

**Learning Topic: Safety, Fire Fighting & Loss Prevention**

**Course Name: 2. Fire Incident & Accident Investigations.**

**Reference Code : SAF 317**

**Description:**

- Many organizations fail to learn from their mistakes and near misses, some organizations even fail to learn from their fire accidents. When an accident occurs, it is important that it be investigated thoroughly. The results of a comprehensive fire accident report can help organizations pinpoint the cause of the accident. This information can then be used to prevent future accidents, which is the primary purpose of accident investigation.
- Consistent with NFPA® 921, this course teaches how to lead fire investigations and root cause analyses using various techniques such as Fault Tree Analysis and Root Cause Charts. This is a "How To" course designed to teach skills.

**Course Objective:**

- Understand the role of fire suppression personnel in fire origin and cause determination investigations.
- Understand each of the four methods of heat transfer.
- Identify the process of documenting and preserving fire scene investigative information through the use of basic sketching and photography.
- Identify unusual situations that help to indicate that an incendiary fire has occurred.
- Determine Physical evidence at the fire scene.
- Investigate motor vehicle fires.
- Understand fire dynamics and modeling.
- Fundamentals of residential building construction.
- Search and seizure.

**Program Methodology:**

**United Arab Emirates**

Emirates Towers, Level 41 Sheikh Zayed Road  
Dubai-UAE. P.O Box 3103

**Kingdom of Saudi Arabia**

Khobar Gate Tower  
King Fahad Street , Khobar 31952

**Kingdom of Saudi Arabia**

101 Business Tower, 8th Floor  
Al Jubail 35513, Bldg# 9278 ,KSA

The training is conducted in a workshop fashion and is based with large capacity of training aid materials and practical sessions; and customized for SHE and fire team in performing fire investigation and RCA. Sessions include formal presentation, interspersed with directed discussion, workshops and case study. In addition, videos of real facility accidents will be shared and commented on to identify RCA of fire accidents.

#### Who Should attend?

- Fire fighting team
- Emergency response team
- HSE team

#### Course Outline:

- Fire accident theories
- fire investigator scene safety
- The scientific method for fire and explosion investigation.
- Introduction to evidence.
- Documenting the event.
- Physical evidence at the fire scene.
- Investigating motor vehicle fires.
- Introduction to fire dynamics and modeling.
- Investigating fatal fires.
- Fundamentals of residential building construction.
- Search and seizure.
- Principles of the fire accident prevention process success.
- Key elements of a fire accident prevention program.
- Principles of risk management for fire accident prevention program.

Course Duration	Date	Venue	Course Fee
5 Days			

**Time:** 08:00 AM -03:00 PM

**Numbers of hours:** 30 Hours

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