

Introduction



An accident is often as a “surprise” – something that is not supposed to happen. That it happened is often seen as mystery. An investigation either follow suit seeking to improve and or reprimand / discipline meted out for it. Research into accidents and their causation concluded that accidents do not happen by chance but are caused.

This workshop sets out to provide insight as to what, how and why does an accident happened through impartation of knowledge, using it for the skill to apply and reinforce the concepts presented. The methodology used is a sandwich of concept and application. A participant on return to the workplace would be able to facilitate / lead or contribute as team member in an investigation. The concepts are drawn from the research originally sponsored by Shell International called “Accident Causation and Human Factors” which subsequently evolved into the investigation package, “TRIPOD Beta”. This program is based on the same without the “Beta” software.

Program Designed For

The course is designed to train and assess supervisors (e.g. Work Discipline Leader, Foreman, Project Supervisor) who will lead or contribute as team member in an incident investigations and analysis.

Duration

2 days

Minimum Pax

6 Pax

Course Objectives

- Understand various terms and terminologies relating to accident and investigation.
- Comprehend the preparation essential for an efficient and effective investigation.
- Learn the essentials to gather information and basic interviews.

Learning Outcome



At the end of the workshop, a participant would:

- Know the investigation process covering team set-up, information collection and analyze based on TRIPOD methodology and identify the organizational weakness leading to the accident
- Appreciate “what” it takes and “how” an accident happens
- Understand the contribution of an organization’s condition(s) to the accident

Course Content

Day 1	Day 2
<ul style="list-style-type: none">• “Terms and Terminologies” associated with accident and investigation• Preparation what to do before setting out to investigate• Gathering information / collecting evidence the hard evidence• Gathering information the soft evidence / interviews• Syndicate Exercise conducting an interview• Accident mechanism I, the TRIOS / HET triangle; what happened and cascading events	<ul style="list-style-type: none">• Accident Mechanism II “how” did it happen / failed, ineffective of missing protection and controls• Syndicate exercise S• The Causal Chain cause for the failed / ineffective protection and control• Causal Chain what not to do• Categorization of latent / organization condition Basic Risk Factors (BRF) / General Failure Types (GFT)

Your Instructor

Tan Kong Seng