



ROAD TRAFFIC CRASH AND INCIDENT INVESTIGATION TRAINING



MTBM Group Sdn. Bhd. (1600656-M)

Level 8, MCT Tower, Sky Park, One City, Jalan USJ 25/1, 47650 Subang Jaya, Selangor

Course Title: Road Traffic Crash and Incident Investigation Training

Course Validity: 2 Days

Validity: Not Applicable

HRD Corp Scheme: Claimable

INTRODUCTION

This training provides participants with a comprehensive and practical understanding of road traffic crash and incident investigation, focusing on the systematic methods, data collection techniques and analytical skills needed to determine the causes of road-related accidents. The program explains the investigation process from the moment an incident occurs, including scene preservation, evidence gathering, witness interviewing, vehicle examination, environmental assessment and human factor analysis. Through hands-on exercises, simulation activities and real-case discussions, participants will gain the competence to conduct professional investigations that improve road safety, enhance organisational controls and support corrective and preventive action planning.

OBJECTIVE(S):

- Understand the principles and purpose of road traffic crash and incident investigations.
- Learn systematic incident investigation procedures and scene management.
- Identify and collect physical, documentary and testimonial evidence.
- Conduct interviews and analyse human, mechanical and environmental factors.
- Reconstruct crash events using basic analytical techniques.
- Determine root causes and contributing factors.
- Prepare structured investigation reports and recommendations.
- Support organisational road safety improvement initiatives.

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TARGET GROUP(S):

- Safety and health officers
- Transport supervisors and fleet managers
- Drivers and logistics personnel
- Emergency response and security teams
- Internal auditors and incident investigation teams
- Anyone responsible for road safety management

ENTRY REQUIREMENT(S):

- Able to read, write and communicate verbally in Malay/English

TOPIC(S):

1. Introduction to Road Traffic Crash and Incident Investigation
2. Legal Requirements, Standards and Reporting Obligations
3. Securing the Scene, Initial Response and Evidence Preservation
4. Evidence Collection: Physical, Documentary and Testimonial
5. Human Factors, Vehicle Factors and Environmental Factors
6. Crash Reconstruction Techniques and Sequence Analysis
7. Root Cause Analysis, Contributing Factors and Preventive Actions
8. Report Writing, Documentation and Presentation of Findings

LIST OF REFERENCE BOOK(S):

- National and international road safety investigation guidelines
- OSHA and DOSH incident investigation guidelines
- Organisational incident investigation procedures

LIST OF TEACHING AID(S):

- LCD projector
- Computer
- Whiteboard with accessories
- Flip chart with accessories
- Investigation templates, checklists and sample reports

METHODOLOGY(S):

- Lecture
- Group discussions
- Case studies
- Simulation and role-play
- Practical evidence analysis exercises

TRAINING SCHEDULE

Day 1

Time	Activity / Topic
8:30 am – 9:00 am	Registration and Introduction
9:00 am – 10:15 am	Topic 1: Introduction to Road Traffic Crash and Incident Investigation
10:15 am – 10:30 am	Morning Tea Break
10:30 am – 12:30 pm	Topic 2: Legal Requirements and Reporting Obligations
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 3:30 pm	Topic 3: Scene Management and Evidence Preservation
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Topic 4: Evidence Collection Techniques

TRAINING SCHEDULE

Day 2

Time	Activity / Topic
8:30 am – 9:00 am	Recap of Day 1
9:00 am – 10:15 am	Topic 5: Human, Vehicle and Environmental Factor Analysis
10:15 am – 10:30 am	Morning Tea Break
10:30 am – 12:30 pm	Topic 6: Crash Reconstruction and Sequence Analysis
12:30 pm – 1:30 pm	Lunch Break
1:30 pm – 3:30 pm	Topic 7: Root Cause Analysis and Preventive Actions
3:30 pm – 3:45 pm	Afternoon Tea Break
3:45 pm – 5:00 pm	Topic 8: Report Writing and Presentation of Findings