



Understanding & Investigation of traffic accidents



Introduction:

In recent years, the specific subject matter and knowledge of Traffic Accident Investigation, Reconstruction & Cause Analysis has become an increasingly specialised and important tool to the Judiciary, the Police Services, the Insurance industry, private companies and many related industry companies and services.

Accident Specialist has been serving this industry for many years and over this time has presented training to many clients. In the process the specific training much needed has been formulated into a comprehensive training and reference manual, "*Understanding & investigation of traffic accidents*". This training is in line with all current international and local standards, however tailored specifically to South African conditions, laws and procedures, along with all reference to South African cases and scenarios. It is this training that is being presented.

.....

The course objectives:

- The training is directly aimed at assisting delegates in achieving better results in conducting your daily task through the clear understanding of accidents and all the interrelated issues.
- To give delegates a sound basis in accident investigation
- To provide delegates with the starting point of accident investigation so as to see further development in accident investigation
- To make delegates aware of the requirement of accident investigation in South Africa in respect of criminal, civil and departmental requirements, and
- To highlight the diversity of accident investigation requirements
- To provide a networking opportunity to like-minded individuals and to link and direct delegates to possible future training directly and indirectly in this field

Course content (Overall):

- 1 Introduction**
- 2 The lecturers**
- 3 Overview**

Day 1

- 1 What is a traffic Accident, Collision or a Crash?**
 - 2 Types of accidents (Categories)**
 - 3 Legal requirements relating to accidents**
 - 4 National Road Traffic Act**
 - 5 Equipment (Scene investigation)**
 - 6 The scene of crash**
-

Day 2

- 1 Review**
 - 2 Information from road**
 - 3 Information from vehicles**
 - 4 Information from people**
 - 5 Photography**
 - 6 Measuring and drawing of the scene**
-

Day 3

- 1 Review**
 - 2 Technical follow up**
 - 3 Reconstruction**
 - 4 Cause analysis**
 - 5 Investigative and case aids**
 - 6 Using or consulting with independent experts and specialist**
 - 7 Report writing**
 - 8 Reference material**
-

Day 1 Content (Specific): (08:30 – 15:00 - Lunch as arranged, usually 12:00 – 13:00 or as required)

1 What is an Accident, Collision or a Crash?

2 Types of accident (Categories)

2.1 Accident Classification:

2.1.1 Slight

2.1.2 Moderate

2.1.3 Serious

2.2 Correct procedures / Documents / common questions and issues

3 Legal requirements relating to accidents

4 National Road Traffic Act

5 Equipment (Scene investigation)

5.1 Equipment introduction

5.2 Basic equipment

5.2.1 Measuring

5.2.2 Photography

5.2.3 Video

5.2.4 Pen, Pencil and Paper

5.2.5 Marking

5.3 Extra and advanced equipment

6 The scene of crash:

6.1 Scene safety

6.1.1 Driving / responding to the Scene

6.1.2 Arrival at the Scene

6.1.3 Safe guarding the Scene and Yourself

6.1.4 Freeway Incident Management Plan

6.1.5 Scene etiquette

Day end

Day 2 Content (Specific): (08:30 – 15:00 - Lunch as arranged, usually 12:00 – 13:00 or as required)

1 Brief review of yesterday's session

2 Information from the road

2.1 Identifying and deciphering the **5 different types of tyre marks**

2.1.1 Skid marks

2.1.1a ABS Skid marks

2.1.1b Skip skid marks

2.1.2 Yaw Marks

2.1.3 Acceleration marks

2.1.4 Flat tyre scuff marks

2.1.5 Imprints

2.1.5a Overall chart of the 5 tyre marks characteristics

2.2 Scrubs

2.3 Crooks & Hooks

2.4 Chops & Chips

2.5 Scrapes & Gouges

2.6 Debris

2.6.1 Glass

2.6.2 Underbody debris

2.6.3 Spatter

2.6.4 Spill and Liquids – Run off

2.7 Marking off the scene evidence

3 Information from vehicles

3.1 Marking off vehicles

3.2 Examining vehicles

4 Information from people

5 Photography

5.1 Vehicles

5.2 Scenes

5.3 Other

6 Measuring and drawing of the scene

6.1 Basic theory, methods and examples

Day end

Day 3 Content (Specific): (08:30 – 15:00 - Lunch as arranged, usually 12:00 – 13:00 or as required)

1 Brief review of yesterday's session

2 Technical follow-up

- a) Further scene inspection
- b) Examination of vehicles
- c) Medical reports
- d) Further statements
- e) Other

3 Reconstruction

4 Cause analysis

5 Investigative and case aids

- a) GPS Systems
- b) Google earth
- c) Drawing programs
- d) Calculation programs
- e) Vehicle tracking reports tachographs / information data keys / IVMS
- f) In car cameras / monitoring cameras (security/freeway)
- g) Internet research

6 Using or consulting with independent experts and specialists

7 Compiling reports / Report writing

8 Reference material

Day end
