

## Training:

Accident Specialist offers specialised training in this field, both set training and likewise customised to a client's Needs. The following training available:

### **1 Understanding and investigation of accidents: (3 day academic training)**



**Overview:** The attendance at any scene of an accident can be a very traumatic and often confusing situation in which to find yourself, be this as a result of you simply having happened upon the scene and stopping to assist, or that this forms part of your duties as member of one or another specialized service. Set aside the often extremely gruesome tragedy of such a scene, an accident scene very often involves many service providers, many safety issues and other factors that need to be considered over and above that of the rescue and recovery of patients and fatally injured, that will ultimately inform us of the cause of the accident.

Understanding these many factors (holistically) from grass roots level will allow you to better deal with all aspects of the accident. It is this holistic understanding of the many aspects that relate to an accident that this training will assist you with and hopefully allow you to create a better understanding for yourself. Be that because you may assist others, that you yourself are ever involved in an accident that you have stopped to help someone in your private capacity or that it is part of your duties.

This training is based intentionally and as closely as possible on internationally accepted training standards, these among others, are generally accepted as being the leaders on the subject. This manual has evolved through updates and revision over time to the latest edition and serves as the basic guideline principals in this field.

Likewise, this training is tailored specifically to the needs of the understanding and investigation of traffic accidents within the South African context, particularly with reference to the laws and procedures of this country. The training is directly aimed at assisting you in achieving better results in conducting your daily task through the clear understanding of accidents and all the interrelated issues.

**Duration:** 3 day full time

**General content:** Day 1:

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

Day 2: Recap of yesterday's session

- Information from road
- Information from vehicles
- Information from people
- Photography
- Measuring and drawing of the scene

Day 3: Recap of yesterday`s session

Technical follow up  
Reconstruction  
Cause analysis  
Investigative and case aids  
Using or consulting with independent experts and specialist  
Report writing  
Reference material

Manner of presentation: Classroom / lecture facility style, 200 page formal comprehensive colour training and reference manual to each attendee. Interactive Powerpoint Presentation followed in manual-on PPT during class, including various example clips, case studies and extensive reference and guides.

Target market: SAPS members, Metro & RTI policing members, Insurance investigators & assessors, risk, loss, OHS and safety staff, Fleet & transport managers and controllers, track company client advisors/liaison and technical staff private investigators, all interested.

## 2 Understanding and investigation of accidents: (3 day academic and 2 days practical training)



Overview: As above, however the two extra days are dedicated to practical field work covering:

- Information from road
- Information from vehicles
- Photography
- Measuring and drawing of the scene

## 3 Measuring with the use of Vernier`s, Micrometres and other equipment for vehicle inspections (1 Day)



Overview: It is not unusual that personnel, have not had experience, nor been taught what to measure, how to measure and what specific equipment to use to measure on various aspects of a vehicle.

This may be general measurements such as vehicle weight, lengths, widths, heights, specific vehicle parameter measurements, tread depths and tyre pressures. This may be specific measurements such as drum sizes, disc thickness or runout and pad or shoe sizes, bore or bearing sizes.

The training provides a history and specific understanding of measuring principals, with academic and practical sessions, likewise many guiding references.

Duration: 1 day full time

General content:

History of measuring  
Why do we measure?  
What is a measuring device?  
Error of Parallax  
Every day Measuring equipment  
Scales

Micrometre (Micrometres in general)  
 How to read the gauges correctly  
 Equipment care  
 Practical:  
     Weight measurements  
     Measuring brake drum  
     Measuring brake discs  
     Measuring brake pads  
     Measuring Bores  
     Measuring Cam and Crank shafts  
     Measuring connecting rods  
 Unit standards  
 References  
 Test

Target market: SAPS members, Metro & RTI policing members, Insurance investigators & assessors, risk, loss, OHS and safety staff, Fleet & transport managers and controllers, track company client advisors/liaison and technical staff private investigators, all interested.

**4 My vehicle and I – Just what do I know (2 hours)**



Overview: Most vehicle owners are not aware of many parameters of their vehicle, be this from proper driving procedures, to specific vehicle details. Such details may be the origin and use of now common place items such as power assisted brakes, seatbelts, Airbags, ABS, ESC and many other factors. It is all of these technical items and factors that are highlighted and explained.

Duration: 2 hours

General content: All technical parameters of vehicles

Manner of presentation: Interactive Powerpoint Presentation, including various example clips and various reference handouts.

Target market: General members of the public, SAPS members, Metro & RTI policing members, Insurance investigators & assessors, risk, loss, OHS and safety staff, Fleet & transport managers and controllers, track company client advisors/liaison and technical staff private investigators, all interested.

**5 Commercial vehicle driver basic education: (General safety, laws, professionalism & the like – 1.5 hours)**



Overview: Commercial drivers carry an untold burden of responsibility, not only in respect of general driving from point A-B in line with all the laws of the land, but safe keep of loads and safe keep of a vehicle combination. A 1.5 hour lecture covering many key factors that commercial drivers need to be either reminded of, or perhaps educated of.

Duration: 1.5 hours

General content: An overview of a wide range of factors from appropriate driving, to laws, regulations and procedures.

Manner of presentation: Interactive Powerpoint Presentation, including various example clips and various reference handouts.

Target market: Commercial vehicle drivers, general members of the public, SAPS members, Metro & RTI policing members, Insurance investigators & assessors, risk, loss, OHS and safety staff, Fleet & transport managers and controllers, track company client advisors/liaison and technical staff private investigators, all interested.

**6 Report writing:** (1 day full time)



Overview: Although no specific Performa exists for the compilation of a traffic crash *reconstruction report* and or a formal traffic crash investigation report, there are certain requirements that are necessary from a legal, technical and logical aspect that guide the setup, layout and contents of a report and it is these legal, technical and logical aspects that this training will consider and bring to your attention.

Duration: 1 day full time

General content: Clarity; Completeness; Conciseness; Correctness

Manner of presentation: Interactive Powerpoint Presentation, including various example clips and various reference handouts.

Target market: SAPS members, Metro & RTI policing members, Insurance investigators & assessors, risk, loss, OHS and safety staff, Fleet & transport managers and controllers, track company client advisors/liaison and technical staff private investigators, all interested.

**7 Basic tyre knowledge:** (1 day full time)



Overview: Understanding the basics of tyres, should be a session covered in all driver learner licence and or driver training and perhaps even drivers test. Nonetheless, the need to understand the basics of tyres is even more over an important factor in any level of vehicle understanding and crash investigation, it is this basic introduction to understanding tyres that is presented here.

Duration: 1 day full time

General content: History of tyres, basic understanding of manufacture, tyre sizes, pressures, standards, markings, laws, regulations. Fitment, matching, damages, replacement, load ratings, valves, proper maintenance tire & rim correlation, other factors.

Target market: All public. Commercial vehicle drivers, SAPS members, Metro & RTI policing members, Insurance investigators & assessors, risk, loss, OHS and safety staff, Fleet & transport managers and controllers, track company client advisors/liaison and technical staff, private investigators, all interested.

**8 South African National Standards (SANS) 10366:2012 – Health & safety at events – Requirements:**  
(1 day full time)



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| Overview:        | A presentation ensuring the basic understanding through review of the standards, for all events.<br><br>Sans 10366:2001 – Verbatim - 1) Scope<br><br>This standard specifies minimum requirements for the planning, organizing and staging of events by an event organizer, whether an individual or an organization. These requirements are subject to the relevant national legislation (see foreword). If any provision contained in this standard is in conflict with any of the provisions of the said legislation, the provisions of such legislation prevail. |
| Duration:        | 1 day full time (Can be condensed {Not Ideal} if required)   |
| General content: | N/A (As quoted above)  |
| Target market:   | All event organisers, event owners, event managers, event safety officer, all interested parties.  |

**9 IVM – Introduction to and analysis:** (1 day full time)



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| Overview:        | Understanding of the history, systems and principals of In Vehicle Monitoring<br>Much of the training centres around analysis of the footage, with emphasis on technical understanding and body language issues that cover fatigue and medical signs. Extensive use of case studies and guidance to reference research material. |
| Duration:        | 1 day - full time  |
| General content: | N/A (As quoted above)  |
| Target market:   | SAPS members, Metro & RTI policing members, Insurance investigators & assessors, risk, loss, OHS and safety staff, Fleet & transport managers and controllers, track company client advisors/liaison and technical staff private investigators, all interested.  |

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Lecturers vary for each training session dependent on availability, however all lecturers are both highly academically and practically experienced in the specific field of presentation.

Mr C Proctor-Parker (Forensic and technical specialist / SAGMJ Tech. writer)

Mr R N Fletcher (Forensic and technical specialist / Mech. Engineer)

Mr K Jarvis (Technical specialist / Mech. Engineer)

Mr D Scott (Fleet and technical specialist / SAGMJ Tech. writer)

Mr R Marlow (Technical specialist / Field engineer - Tyres)

Contracted Lecturers as and when required.