



## SESSION 1.1 COURSE INTRODUCTION

CONDUCTING ROAD SAFETY AUDITS & APPRAISALS

PRESENTED BY: RTS & AGTTC

6 – 7 June 2023

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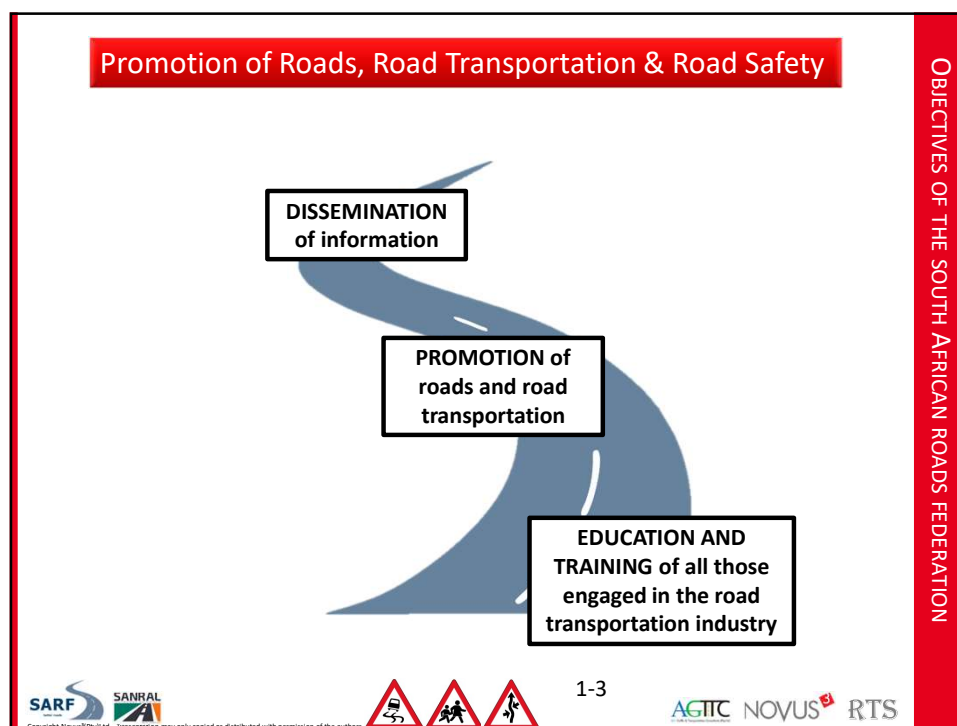


## INTRODUCTION TO SARF

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## PRESENTERS

**Andile Gqaji PrTech Eng**  
**BSc Hons Transportation Planning, MCom**

- 22 years experience in geometric design, road safety, transport planning & traffic engineering
- Road Safety Appraisal & Audits in Southern Africa.

**Louis de V Roodt, PrEng**  
**MEng Transportation PhD**

- 40+ years experience in road geometric design, traffic, transport and road safety engineering.
- 20 years as lecturer at Universities of Pretoria and Stellenbosch.
- Road Safety Appraisals and Audits in Southern Africa and the United Kingdom.

FACILITATOR CVS

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## GOALS AND HIGHLIGHTS: 2 DAY COURSE

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## What are the Goals of this 5-day Course?

### 1 Understanding what is involved in the improvement of road safety

- What is the general perception about improving road safety?
- What information do we get from the media about road safety?
- Will comprehensive knowledge make all the difference?

### 2 Gain knowledge and tools to make a difference

- You have to be a road safety ambassador yourself.
- You will know the role players (organisational).
- You will know what is a RSA and what is involved technically.
- You will know what actions need to be taken and how to initiate those actions.



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PROGRAMME: DAY 1 TO DAY 5








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Day 1	PROGRAMME DAY 1
<b>DAY 1 - UNDERSTANDING AND MANAGING ROAD SAFETY AUDITS/APPRAISALS (RSAs)</b>	
Course introduction	
Road safety context	
Systems approach	
<b>Break and refreshments</b>	
Understanding road safety risks	
Introduction to Road Safety Audits and Appraisals	
<b>Lunch</b>	
The Need for and Legal Implications of RSAs	
Expected outcome of a RSA	
<b>Break and refreshments</b>	
Terms of reference for a typical RSA	
Accreditation of Road Safety Auditors	
    1-9   	

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Day 2	PROGRAMME DAY 2
<b>DAY 2 – ROAD SAFETY AUDIT AND APPRAISAL PROCESS</b>	
Road Safety Engineering Concepts	
Road Safety Engineering Concepts	
<b>Break and refreshments</b>	
Project inception & The Audit Team	
Information Review and Site Inspection	
<b>Lunch</b>	
Identification and evaluation of road safety risks	
Report content and structure	
<b>Break and refreshments</b>	
Technology and useful resources	
    1-10   	

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Day 3	PROGRAMME DAY 3
<b>DAY 3 – CONDUCTING A ROAD SAFETY AUDIT/APPRaisal</b>	
Group Assignment 5: - Developing a TOR for an RSA	
Recap of the road safety process	
Planning road safety	
Conducting a RSA: Project inception (Recap)	
Group Assignment 1: Project Inception	
Break and refreshments	
Group Assignment 1: Project Inception (continued)	
Group Assignment 1: Group Presentations	
Break and refreshments	
Road safety concept	
Road signs, markings and traffic signals	
Break and refreshments	
Conducting a RSA: Data collection and Site visit (Recap)	
Group Assignment 2: Data Collection and Site Visit	

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Day 4	PROGRAMME DAY 4
<b>DAY 4 – CONDUCTING A ROAD SAFETY AUDIT/APPRaisal</b>	
Group Assignment 2: Group Presentations	
Road side protection	
Break and refreshments	
Conducting a RSA: Data Analysis (Recap)	
Group Assignment 3: Data Analysis	
Break and refreshments	
Group Assignment 3: Data Analysis (Continued)	
Group Assignment 3: Group Presentations	
Break and refreshments	
Conducting a RSA: Identification of road safety risks (Recap)	
Designing for road safety: Alignment, cross section and level of service	
Designing for road safety: Intersection design	
Group Assignment 4: Identification of Road Safety Risks	


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Day 5

PROGRAMME DAY 5

<b>DAY 5 – CONDUCTING A ROAD SAFETY AUDIT/APPRAISAL</b>
Overview of day 4, programme for day 5
Vehicle restraint systems
Group Assignment 4: Identification of Road Safety Risks
Break and refreshments
Group Assignment 4: Group Presentations
Group Assignment 5: TOR for a RSA
Break and refreshments
TOR - Group Feedback
Reporting and key RSA Concepts
Individual Assignment Overview
Closure and handing out of certificates







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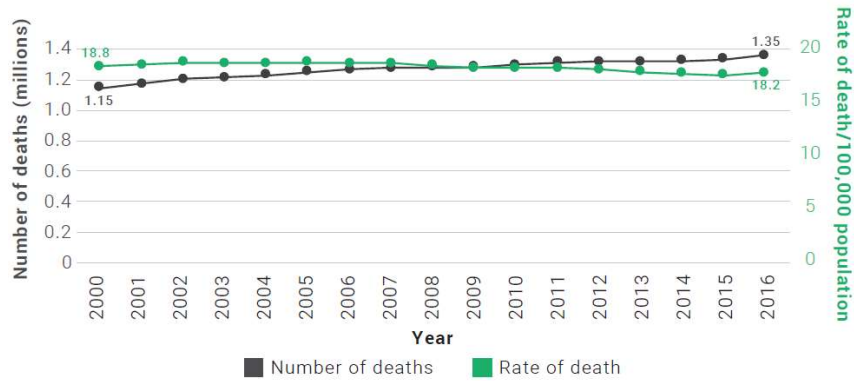


HIGHLIGHTS

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**Figure 1: Number and rate of road traffic death per 100,000 population: 2000–2016**



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## Our Road Safety Context in South Africa

### Trends in reported road traffic deaths



Source: Road Traffic Management Corporation (RTMC), Traffic calendar report 2016



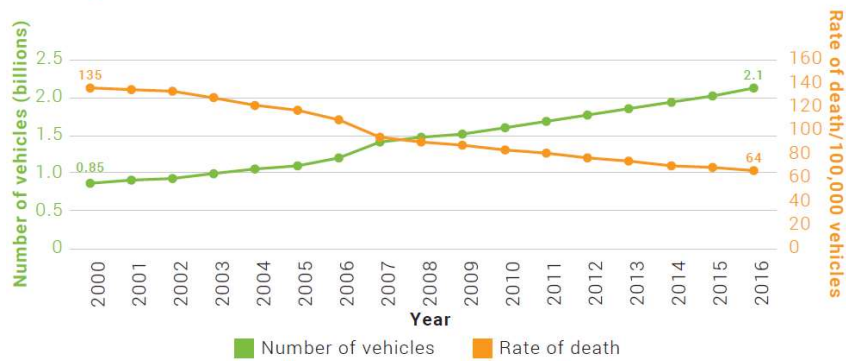
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**Figure 2: Number of motor vehicles and rate of road traffic death per 100,000 vehicles: 2000–2016**

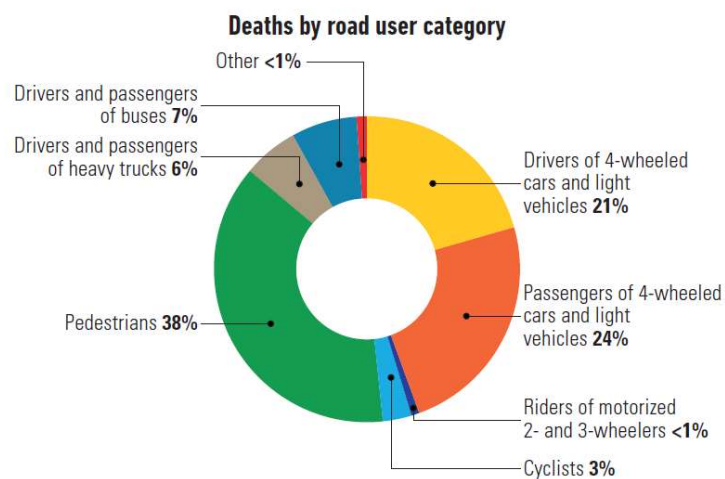


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**Our Road Safety Context in South Africa**



Source: 2016, Road Traffic Management Corporation (RTMC), Traffic calendar report 2016



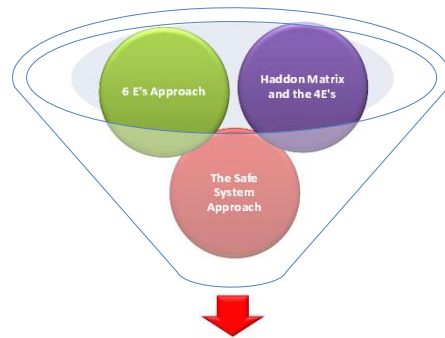
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## Road Safety Approaches

Amalgamation  
existing road safety  
approaches :



**Road Safety Strategies**



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HIGHLIGHTS

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## Understanding the risks

Is there such a thing as a  
safe speed?



What is the single biggest  
road safety issue in South  
Africa?



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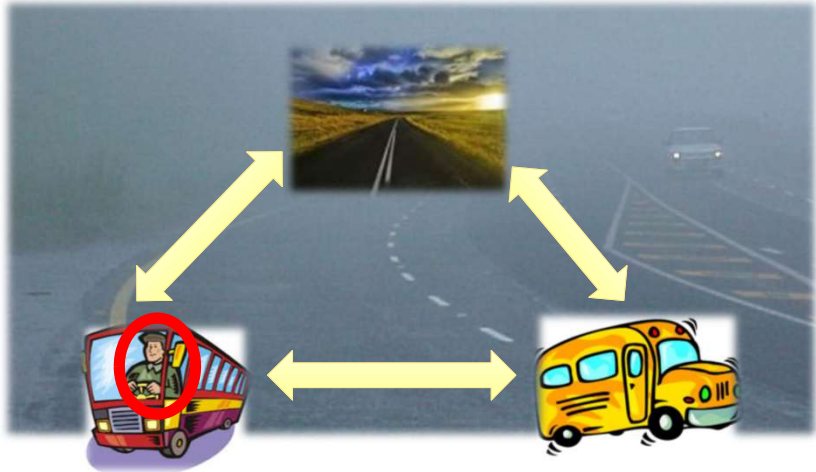




HIGHLIGHTS


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## The Importance of RSAs

You will start think in the right way about road safety...





HIGHLIGHTS

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## We will talk about jumping from windows...





Why this lesson is relevant...










HIGHLIGHTS

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We will teach you the road safety terms and defintions...



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We will teach you what to ask for and what to expect!

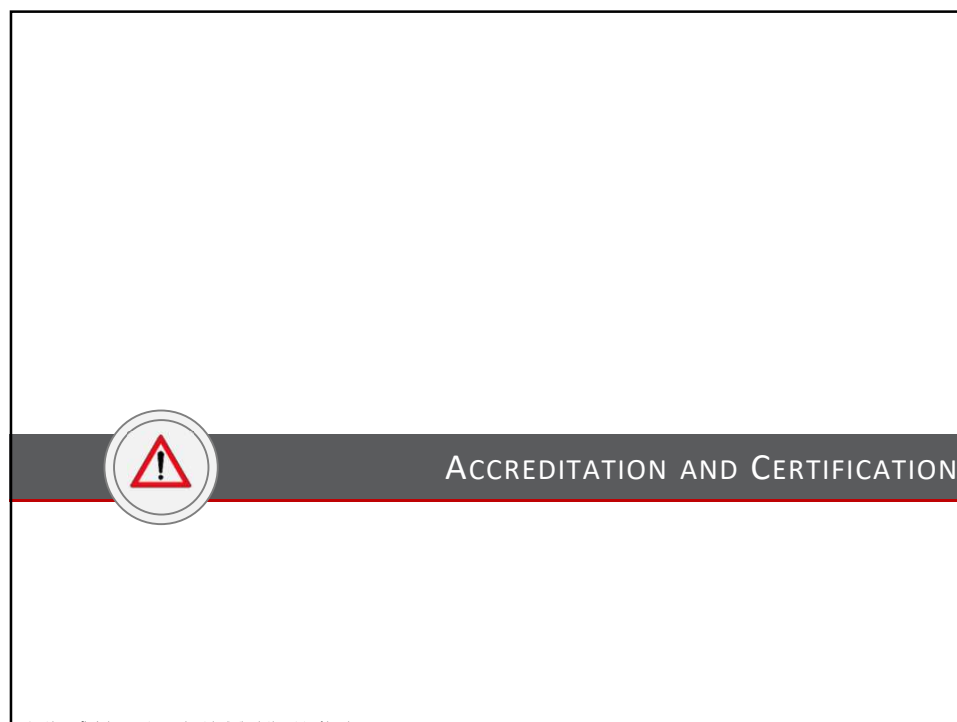


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ACCREDITATION OF COURSE AND CPD POINTS



IRF



ECSA

COURSE ACCREDITATION












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### CPD Points can be claimed



We will provide you with the ECSA code to claim your CPD points at the end of this course



This is to certify that  
*Dr. Louis Roodt*  
Has successfully attended a 5 day course on  
**ROAD SAFETY AUDIT**  
CPD Validation Number: SARF 17/19/AG1/2019/RECDT39

We will provide you with certificate as evidence of attending this course




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### ECSA Special Category registration Now open for application



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END OF LECTURE 1

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