ECSA CPD Service Provider: SP_035/2025

SOUTH AFRICAN ROAD FEDERATION

Presents a 5-day course

CONDUCTING ROAD SAFETY AUDITS

PRESENTER

Dr. Louis Roodt PrEng

International Road Federation (IRF)
Accredited Road Safety Audit Team Leader

Local Expert Presenter

Prof. Petrina Johannes, PrEng

Professor of Civil Engineering • Registered Professional Engineer (Namibia) • Road Safety and Transportation Engineering Specialist • Researcher and Consultant in Road Infrastructure and Sustainable Mobility

This is 5-day intensive course adapted to Namibia, starting on

Monday 5th - Friday 9th October 2026

Starting time 08:00 – 16:30

Windhoek

Why Road Safety Audits?

The toll from road crashes remains an important health and economic issue in Southern Africa. More than 440 people died in road crashes in 2025 in Namibia, at an economic cost of more than N$ 1.3 billion. Namibia subscribes to the Safe System Approach that aims to reduce fatalities by 50% between 2021 and 2030. An emphasis on preventative measures to reduce road safety risks on roads are required. Well-documented experience in Europe, Australia and elsewhere shows that Road Safety Audits are both effective and cost beneficial as a proactive safety improvement tool. This is reflected in the growing number of countries, both developed and developing, that have introduced Road Safety Audits.

In South Africa, the South African National Roads Agency SOC Limited (SANRAL)'s policy is to conduct road safety audits on all road improvement or new road projects. In Namibia, as in many other SADC counties, the funding institutions require that Road Safety Audit must be done. The newly opened road A1 from Windhoek to Hosia Kutaku International Airport is an example of a major project that was audited. Dr Roodt was involved in this project as road safety auditor. He was involved in the review and update of the Namibia Road Geometric Design Manual.

Minimum Requirements for Road Safety Auditors using South Africa as an example

SANRAL's requirements for the minimum qualifications of Road Safety Audit Team Leaders are that the team leader should:

• must be a Registered Professional Engineer or Professional Engineering Technologist with the Engineering Council of South Africa (ECSA), or international body recognized by the Client,

• Must have at least 10 years of experience post-graduation in Road Safety and/or Traffic and Transportation Engineering and/or Geometric Design,

• Has successfully completed a recognized Road Safety Audit course to the equivalent of at least 5 CPD points,

• Has successfully completed recognized Road Safety related courses to the equivalent total of 2 CPD points within the last five (5) years, and

• Has undertaken at least 2 formal Road Safety Audits within a period of three (3) years as the Audit Team Leader or Audit Team member.

For Audit Team Members SANRAL's requirements are less onerous but also requires attendance of a 5-day road safety audit course.

Who should attend this course?

This Road Safety Audit Course is aimed at practitioners with a civil engineering background and provides a robust, fundamental basis for those who want to become auditors or take up roles in an Audit Team. The course will also be beneficial for officials who are responsible for commissioning, reviewing or assessing Road Safety Audit Reports. All delegates will be expected to have a basic background in geometric road design and/or traffic engineering. Delegates should at the very least be familiar with the basic concept of these designs (i.e. super-elevation, gradient, horizontal and vertical curvature, forward visibility and stopping sight distance etc.) and be able to interpret engineering design drawings and traffic signal stage diagrams.

Course objectives

The objectives of the course are

- to give delegates a sound background in Road Safety Audits,
- to bring delegates up to date with latest developments and thinking in Road Safety Audits internationally, including the African Development Bank's Road safety framework and guidelines.
- to make delegates aware of the Road Safety Audit requirements in Southern Africa, and
- to highlight the practical road safety engineering aspects which should be considered when conducting a road safety audit.

Course content

The topics will be covered:

- the scope and the purpose of road safety audits,
- the holistic approach to road safety (the 3Es, 6Es, the Haddon Matrix, the Safe Systems Framework),
- what is a crash,
- the roles and responsibilities of the parties involved in road safety audits,
- the benefits of road safety audits,
- an overview of the road safety audit process and audit types, as described by the African Development Bank Manuals for Road Safety for new roads, existing roads and reactive responses,
- road safety engineering assessments vs appraisals vs audits.
- the requirements for a road safety audit,
- conducting a road safety audit: step by step for practitioners and officials,
- key road safety engineering concepts which are important when conducting a road safety audit,
- identification and classification of road safety risks,
- compiling an audit report,
- risk and legal implications, and
- the importance of a formal closeout process.

The course will focus on the road safety audit process and concepts. During day 3 to 5, delegates will be required to complete group assignments, relating to the different steps of the road safety audit process. Delegates will be required to conduct a site visit on day 3 of the course, which will include a night-time site visit.

Certification and accreditation:

Delegates "successfully" completing this Course will receive a certificate of attendance. This will require delegates to attend all five days of the Course. Delegates should also actively participate in the group assignment for successful completion of the course.

On completion of the course, each delegate must prepare a short audit report on a project of their choice and submit this report no later than 2 weeks after completion of the Course. This report will be reviewed and needs to be successfully completed in order to receive a certificate of successful completion of the course. Only delegates who successfully completed the course will be added the SARF database.

This Course is accredited by the Engineering Council of South Africa (5 CPD points). It is accepted by the Engineering Council Namibia.

COURSE FEES PER DELEGATE INCLUDING VAT

EPA Members	**R 15 000.00**
Non-EPA Members	**R 15 500.00**

5 ECSA CPD POINTS

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