




SESSION 3.5 RECAP: RSA PROJECT INCEPTION

CONDUCTING ROAD SAFETY AUDITS & APPRAISALS

PRESENTED BY: RTS & AGTT

24 – 28 JULY 2023

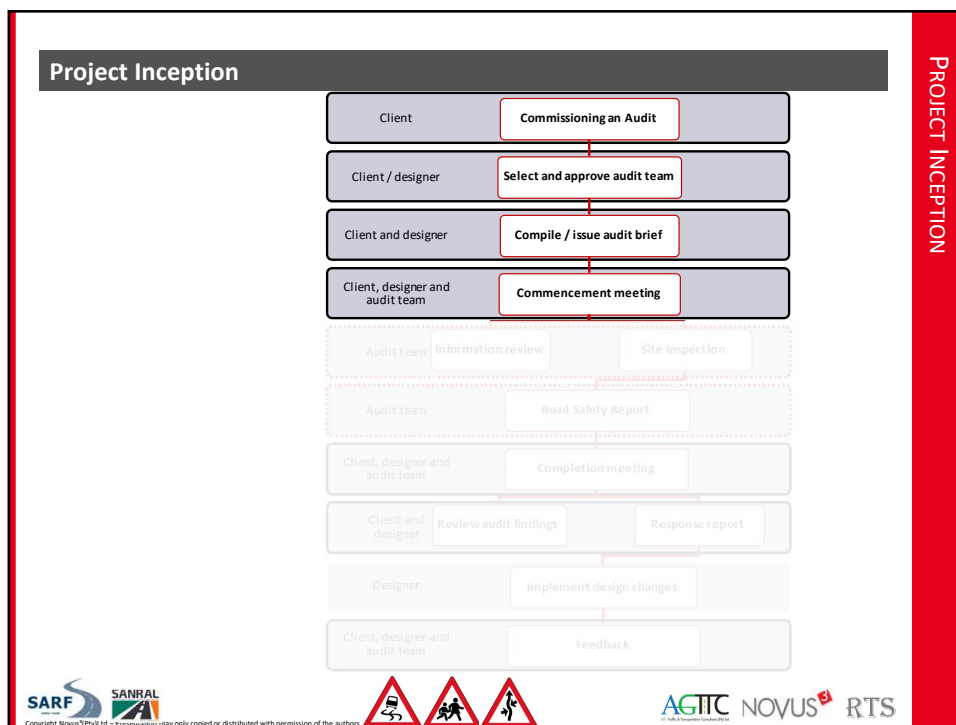
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1



Audit brief

Audit brief

Provide the auditor with all the information that is necessary to conduct an adequate and effective Road Safety Audit of the project.



Prepared by the Designer



Include relevant project information, reports and drawings



In a usable format



Issued by client



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3

Description of the project

Detailed description of project

Detailed scope of work

Project phasing

Project implementation time frames

Project alternative (layouts, routes, concepts)

Project constraints

For appraisals - background to the facts that lead to the requirement for a safety study.

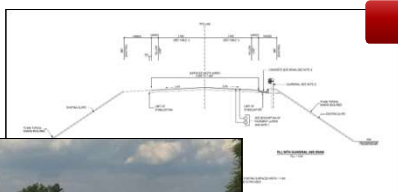




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4


Available Drawings and project information

Project information

- Design approach
- Events/facts that lead to notable features of current road.
- List design standards and speed
- Deviations from design standards (with reasons)
- Upgrades/elements of the scheme not shown on design drawings
- Known unresolved road safety risks






5

Previous road safety studies/ audits

Previous RSAs

- Copies of previous reports:
 - Road Safety Appraisal reports
 - Road Safety Audit Reports
- Copies of Audit Response Reports
- List of all design changes since previous Audits





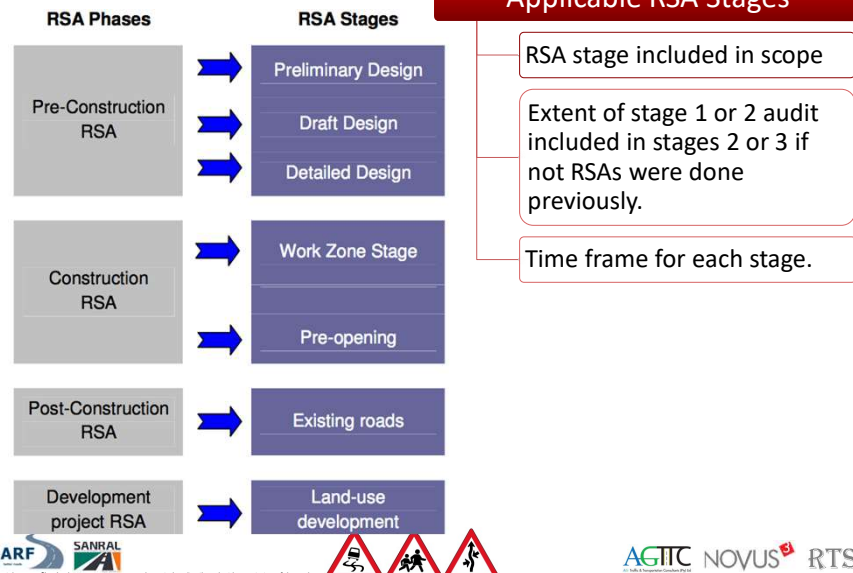


6

PROJECT INCEPTION

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Applicable RSA phases

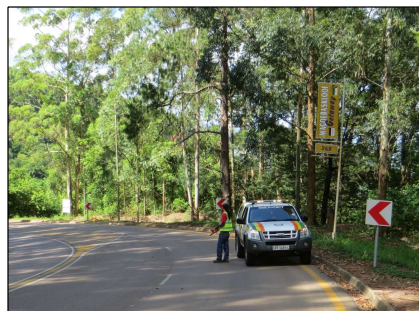


7

Specific audit requirements

Specific audit requirements

- Note design elements or safety risks for which specific audit opinion is required.
- Indicate specific factors which need to be considered, which could be perceived to be excluded from the scope.
- Contact details of stakeholders which should be consulted.
- Site visit and site access arrangements



8

The audit team

Audit team

- Is independent of the design team
- Has proper skills
- Has knowledge and experience appropriate for a particular project.

The RTMC recommends that: “The Team should consist of **accredited** Road Safety Auditors with at least one team member with **expert** knowledge and experience in **road safety engineering**.”



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9

Compiling the Audit Team

Team composition

At least three people

The Service Provider's Road Safety Audit Team Leader shall be permanently employed staff member of the Service Provider; other key persons may be subcontracted.

The minimum requirements of the Road Safety Audit Team Leader:

- 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 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.



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10

Compiling the Audit Team

Team composition

At least two team members

The minimum requirements of the Road Safety Audit Team Member:

- Diploma in technology or a Degree in Engineering or equivalent recognised qualification;
- At least 3 years of experience in Traffic and Transportation Engineering and/or Geometric Design and/or Road Safety Audits/Construction.
- Has successfully completed a recognised Road Safety Audit Course to the equivalent of at least 5 CPD points.

It is compulsory for the Service Provider to engage one additional Road Safety Audit team member from QSE/EME companies/firms for capacity building in order to achieve the transformation objectives of the Client.



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11

Compiling the Audit Team

What are proper skills?

Depends on the project phase and complexity.

- Stage 1: Feasibility/Preliminary Design Stage Audit
- Stage 2: Draft Design Stage Audit
- Stage 3: Detail Design Stage Audit
- Stage 4: Work zone traffic management Audit
- Stage 5: Pre-Opening Stage Audit
- Assessments/ Appraisals

Appropriate experience

- Network planning
- Intersection design
- Public transport
- Lighting
- Road signs
- Work zone management
- Traffic operations
- Crash investigations
- Universal access
- Law enforcement
- Others?



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12

Commencement meeting



Commencement meeting


To ensure that the design team understands the audit process; provide additional info; identify key issues, constraints and issues requiring special consideration.






- Review the scope and objectives
- Delegate responsibilities
- Agree on schedule for the completion
- Set up lines of communication
- Communicate matters of importance
- Establish the format of the RSA report

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13



END OF LECTURE

14