

Road Safety Impact Assessment v Road Safety Audit

Eileen McCarthy



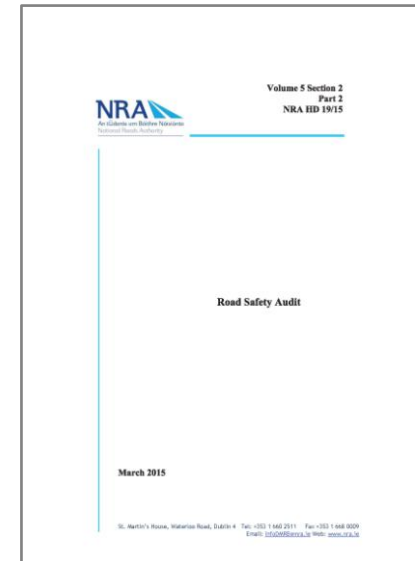
● Relevant Standards

Road Safety Impact Assessment

- HA18 Road Safety Impact Assessment Guidelines
- HD18 Road Safety Impact Assessment
- Published in January 2016

Road Safety Audit

- HA19 Road Safety Audit Guidelines
- HD19 Road Safety Audit
- Published in March 2015



Road Safety Impact Assessment



Definition of Road Safety Impact Assessment (RSIA):



Road Safety Impact Assessment (RSIA), as defined by the European Directive, is a strategic comparative analysis of the impact of a new road or a substantial modification to the existing network on the safety performance of the road network.



HD 18 defines RSIA as the strategic comparative analysis of the impact of different planning alternatives for a new road or a substantial modification to the existing network on the safety performance of the road network.



Road Safety Impact Assessment

Purpose of Road Safety Impact Assessment (RSIA):

- *Demonstrate, on a strategic level, the implications on road safety of different planning alternatives of an infrastructure project.*
- *Provide all relevant information necessary for the selection of the solution;*
- *Provide a comparative analysis of the road safety implications of each alternative considered;*
- *Provide an evaluation of the road safety benefits and dis-benefits arising from each alternative.*



*RSIA does not
replace or preclude
Road Safety Audit,
which is carried out
by a team
independent of the
design process.*

Road Safety Impact Assessment

Timeline of RSIA

- *Early planning stages*
- *During design phases up to scheme planning approval*

Process of RSIA

- *Appointment of competent RSIA team*
- *Site visit by all team members at same time*
- *Assessment of the impact of the scheme on all road users including vulnerable road users*
- *Comparative road safety impact assessment of the effects of each alternative*
- *Ranking of alternatives in terms of road safety considerations*
- *RSIA Report*
- *Final Report to Design Team Leader to inform option selection*



Road Safety Audit

- ✓ *Road Safety Audit is defined as the evaluation of a road scheme during design, construction and early operation, to identify potential safety hazards which may affect any type of road user, and to suggest measures to eliminate or mitigate those problems. (ref. HD 19)*
- ✓ *The earliest stage of Road Safety Audit is Stage F which is at Route Selection prior to route choice.*

Where a choice of routes is available, Stage F audits should be carried out in two phases.

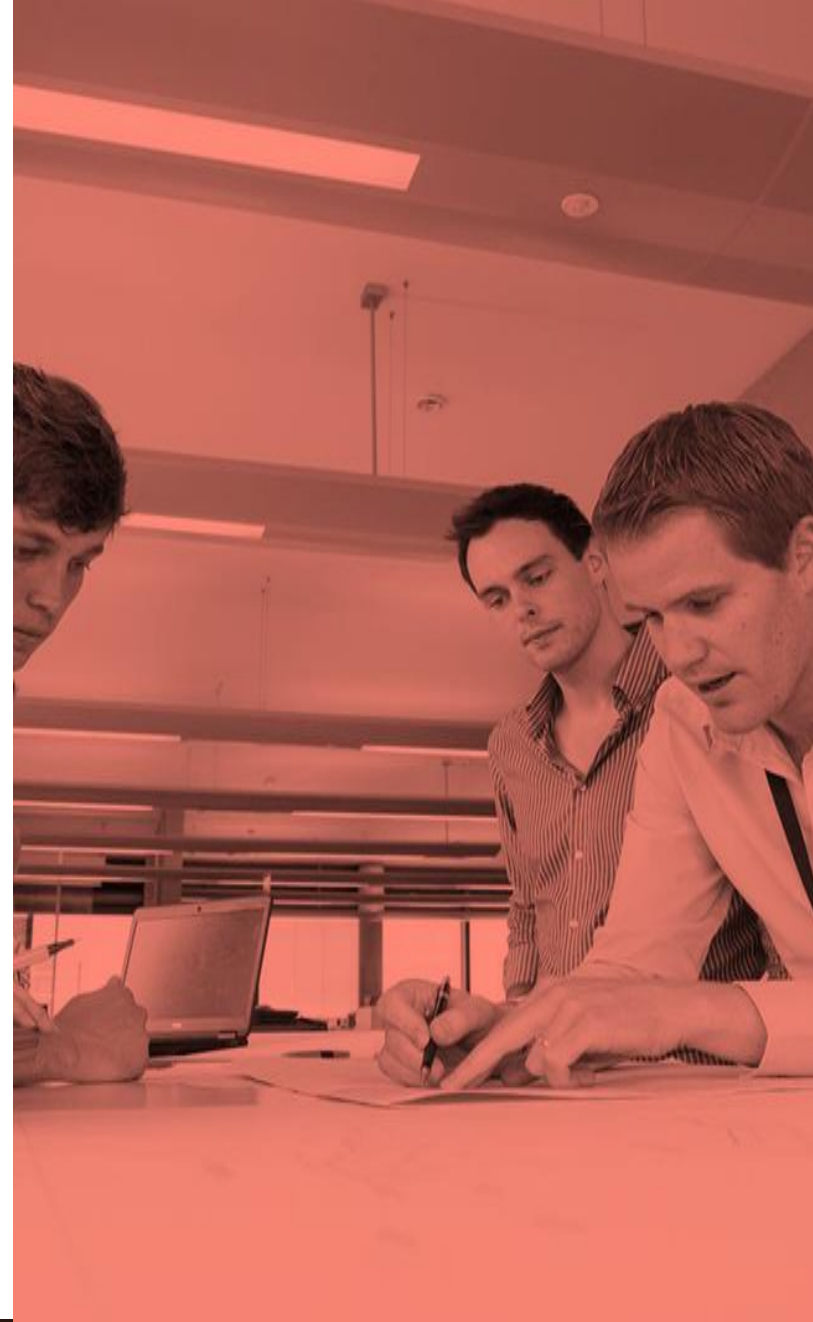
- *Phase 1 should be a comparative assessment of the routes from a road safety point of view.*
- *Phase 2 of the audit will be carried out on the chosen route, in the standard problem and recommendation format. (ref. HD 19)*



Road Safety Audit

Purpose of Road Safety Audit (RSA):

- *Identify potential safety hazard with the scheme design or construction as they could affect road users.*
- *Consideration of road safety under **all** operating conditions and for **all** road users;*
- *Provide a recommendation for dealing with identified hazard;*
- *Ensure future operational safety of the scheme*



Road Safety Audit

The earliest stage of Road Safety Audit is Stage F which is at Route Selection prior to route choice.

Where a choice of routes is available, Stage F audits should be carried out in two phases.

- *Phase 1 should be a comparative assessment of the routes from a road safety point of view.*
- *Phase 2 of the audit will be carried out on the chosen route, in the standard problem and recommendation format. (ref. HD 19)*



Key Differences

Road Safety Impact Assessment



Assessment by design team



Carried out at early concept & feasibility stages



Key component in selection of route choice or option choice



Phase 2 RSIA available on <http://www.n6galwaycity.ie/>



Assessment by independent team



Carried out at each stage of design and construction



Less ability to alter strategic decisions during later stage audits



Phase 2 RSA Part 1 & Part 2 available on <http://www.n6galwaycity.ie/>

End result - Safer road infrastructure by proper consideration of road safety from the earliest concept stage



Road Safety Audit



Thank You

Questions?
