

## Requirement on the content of an assessment report

This document describes what contents that is expected in an assessment report of a safety-related electronic systems in the railway signaling field. The document is written for a safety case which is structured according to EN 50129 but it can also be applied for safety cases structured in another way. The document lays out minimum requirements of what the assessment report should contain and gives guidelines of how the document should be structured.

### Contents of an assessment report

The assessment report should at a minimum contain:

#### 1. Revision Log (of the assessment report)

#### 2. Introduction, Scope of work and Objective

This section shall at a minimum:

- Give an executive summary of the work performed.
- Define which parts of the system lifecycle (according to EN 50126) that is covered by the assessment.
- Define what purpose the assessment has.
- Include relations between different safety cases and assessments.

#### 3. References

This section shall demonstrate:

- Documents used as foundation.
- Documents reviewed as part of assessment.
- Documents produced during the assessment.

#### 4. Structure and methodology of assessment

An assessment report shall be linked one to one with a safety case. This section shall at a minimum include:

- A description of the structure and methodology that has been used.
- A description on which basis judgment has been made.

## **5. Assessment result**

This section shall at a minimum:

- Examine the safety case paragraph by paragraph.
- Clearly state which documents that have been assessed under each paragraph.
- Include the assessor's expectations (expected contents) on each paragraph.
- Include judgement of each paragraph and also judgement on documentation referred in each paragraph.
- Include discrepancies between assessor's expectations and the evidence provided in the safety case (normally called "findings").

It is also desirable that the assessment report shows that all expected activities in all phases (according to the system lifecycle) meets the expectations of the assessor.

## **6. Discrepancies between assessors expectations and the evidence provided in the safety case**

- All discrepancies (findings) shall also be presented in a separate table.

## **7. Conclusion**

- The conclusion shall state the final opinion of the assessor on the validity of the presented safety case and the overall judgement of whether or not the system is adequately safe for its intended use.
- It shall be clearly presented in the conclusion that all requirements have been validated.
- If there are any requirements that have not been validated or if there are any activities that have not been performed, this shall be clearly presented.
- Any restrictions recommended by the assessor shall be clearly stated.

End of document.