# Analysis Report

<table>
<thead>
<tr>
<th>Project / Project ID</th>
<th>&lt;Project Name&gt;</th>
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<tbody>
<tr>
<td>Author</td>
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## <Title>

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1 Introduction

1.1 The Analysis Report Document

1.2 Referred Artefacts

In this section, all artefacts relevant to the document at hands are listed by type and detailed instance information, such as description, path, or version.

<table>
<thead>
<tr>
<th>Artefact Type</th>
<th>Version</th>
<th>Further Information</th>
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<tbody>
<tr>
<td>Improvement Plan</td>
<td></td>
<td>&lt;The document which describes the way of proceeding through the requirements engineering process improvement project&gt;</td>
</tr>
<tr>
<td>Reference Process Model</td>
<td></td>
<td>&lt;The requirements engineering reference model actually applied at the organization&gt;</td>
</tr>
<tr>
<td>Project Documentation</td>
<td></td>
<td>&lt;The documentation of projects that have already been conducted within the organization&gt;</td>
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2 Analysis Object

Introduction of the development projects and stakeholders concerned by the problem analysis

2.1 Subject Description

Introduction of the process owners, project participants, researchers and reviewers involved in the problem analysis

2.2 Case Description

Introduction of the analysed development projects, their underlying requirements engineering reference model and the RE artefacts produced during those projects which entered the problem analysis

3 Structure of the As-Is Artefact Model

Introduction of the artefact model derived from the as-is requirements engineering process, which serves as basis for all further investigations of the problem analysis

3.1 Bird’s Eye Perspective

Short informal overview over all identified artefacts and the relations between them

3.2 Artefact Types

Presentation of all artefacts and their respective characteristics identified during the problem analysis

3.2.1 Artefact Type 1: ...

3.2.2 ...

3.2.3 Artefact Type N: ...

3.3 Structure Dependencies

Introduction of all relations formed between the mentioned artefact types and the dependencies they cause
4 Semantic Analysis
Presentation of all results found during the semantic quality analysis of the selected RE artefacts regarding

4.1 Redundancies
<Text>

4.2 Linguistic Defects
<Text>

4.3 Unambiguity Assessment
<Text>

4.4 Technical Feasibility Assessment
<Text>

4.5 Consistency Assessment
<Text>

5 Problem Investigation & Identification
Presentation of all results found during the assessment of the as-is artefact model and of the processes responsible for the creation of those artefacts

5.1 Gap Analysis
Presentation of all results detected during the comparison of the requirements engineering as-is model and a designated external reference model leading to a classification of all identified artefacts as complete, incomplete or missing

5.2 Problem Validation
Presentation of the requirements engineering artefact benchmark derived from interviews and assessments against the improvement goals and metrics, regarding

- usability, consisting of ease of use, appropriateness of artefacts, and appropriateness of methods,
- flexibility, consisting of scalability, and dynamic customisation capabilities,
- reproducibility, and
- process integration capabilities

6 Evaluation of Validity
Countermeasures taken to reduce the influence of subjectivity caused by potentially biased project participants and reflected by the internal and external assessments

7 Analysis Summary
Presentation of all results and their implications for the requirements engineering process improvement project

7.1 Summary of Analysis Results
Short wrap-up of all results found during the problem analysis

7.2 Improvement Forecast
Presentation of all identified and agreed deficiencies of the requirements engineering as-is model

8 References
List of text sources this document references
9 Appendix

9.1 History
Log all changes and each piece of work to document progress and changes.

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9.2 Quality Assurance

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