

Requirements Handbook Companion

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Work in progress!

1. Context

This repository constitutes the companion of the book: [Handbook of requirements and business analysis](#). It serves as the basis for the future Handbook's site: <http://requirements-handbook.org/>

2. Overview of the method



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This chapter is an overview of **PEGS**. Its aim is to make this companion book self-content. We highly recommend, for more details and a full description of the subtleties of **PEGS**, to read the corresponding [handbook](#).



Figure 1. The **PEGS** logo

2.1. Overall structure

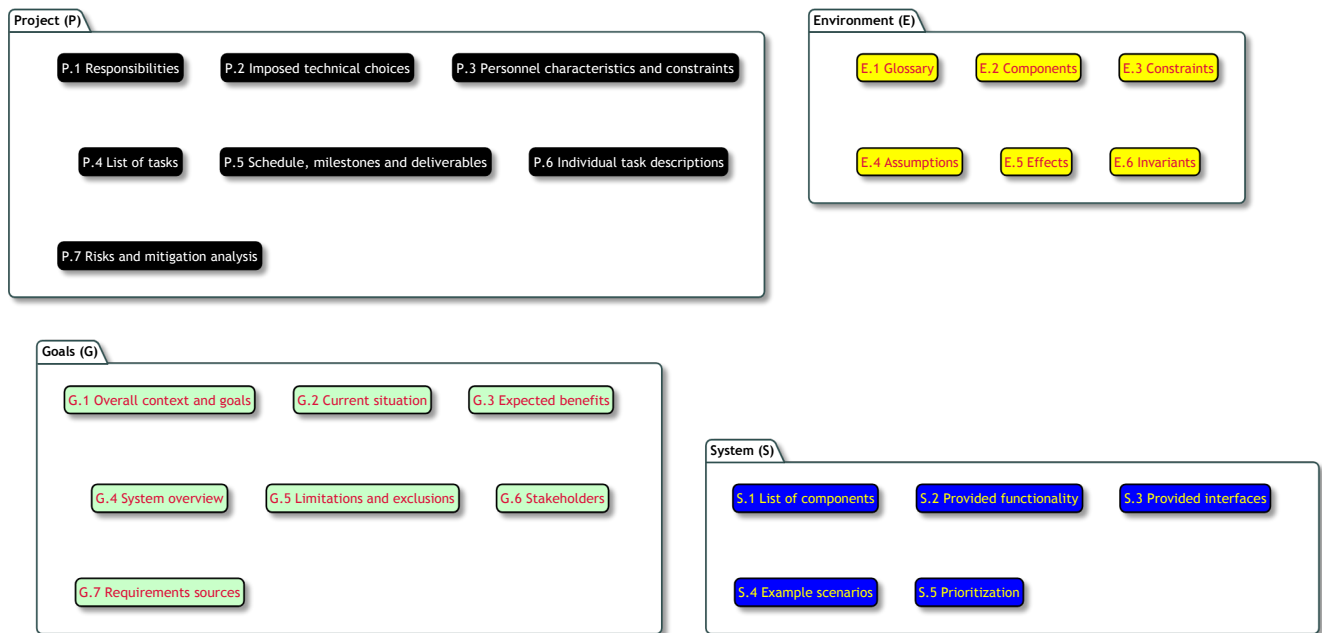


Figure 2. The four books of requirements

2.2. Links between the four PEGS

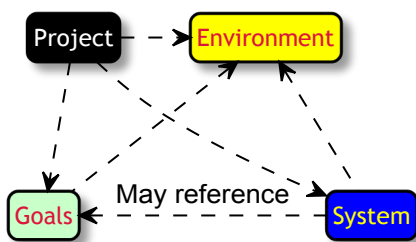


Figure 3. Reference links

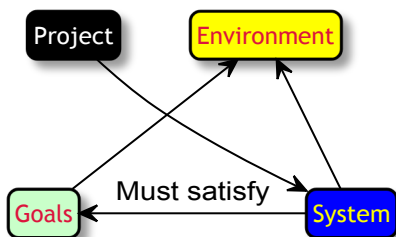


Figure 4. Verification obligations

2.3. The lifecycle model

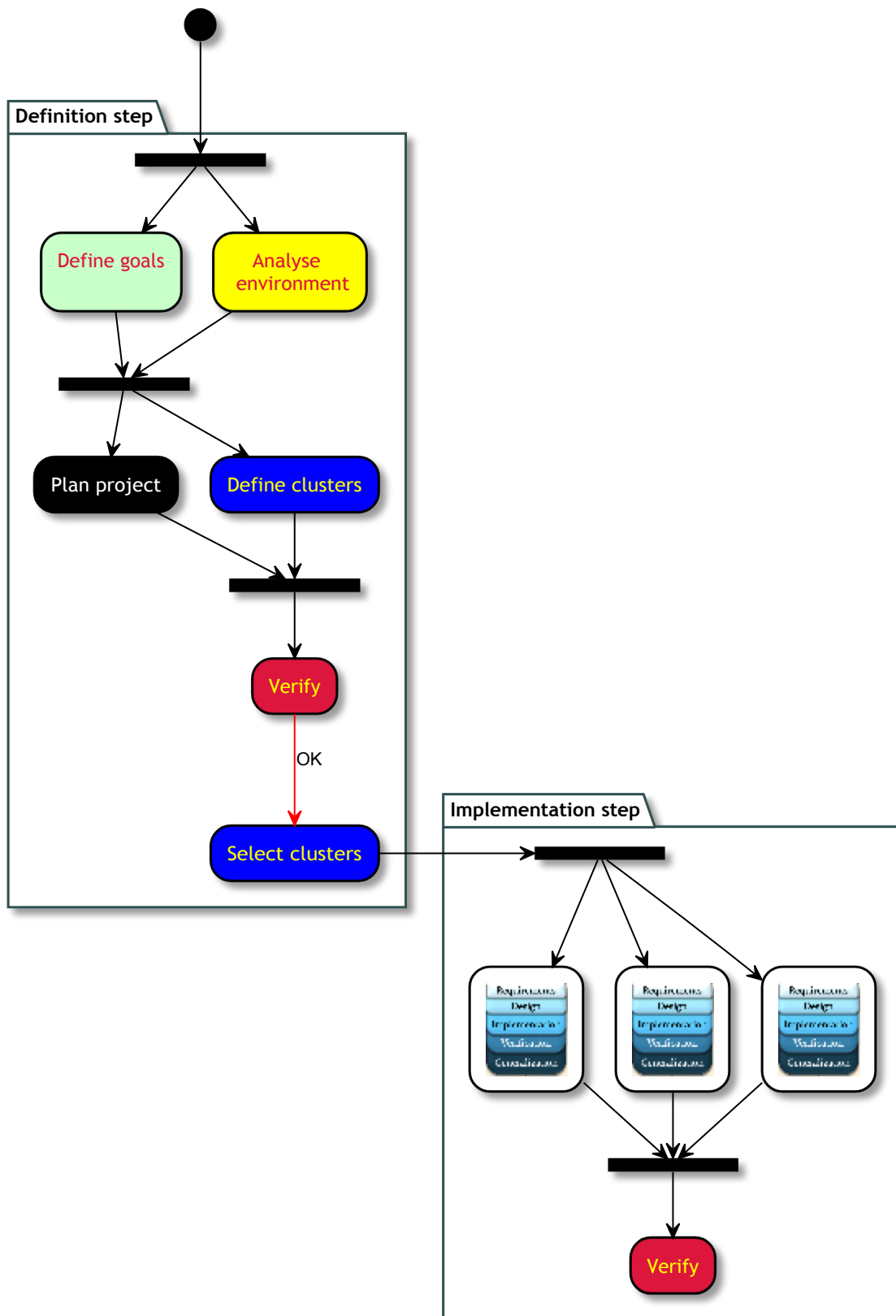


Figure 5. The lifecycle model

3. Case studies

We illustrate the use of **PEGS** through the following case studies:



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1. The Roborace
2. A more information-system-oriented example
3. This Companion Book

4. Book templates

We provide in this companion web site a set of Book templates to help you apply **PEGS** and organize your requirements. Here is the list of the available templates (feel free to contribute by submitting your own templates):



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1. DOCX
2. LaTeX
3. [GitHub](#)

Appendices

Appendix A: Useful links

- The draft of the Method Book: [PDF](#)
- The draft of the Companion Book: [Google Doc](#)

Appendix B: Specific implementations

Here is a list of potential mappings between the **PEGS**:

SysML

- Each **PEGS** could be a package
- Requirements could be stereotyped (e.g., `[Goals]` or `[System]`)

FORM-L

- They could be interested in providing a template for the **PEGS** in Form-L

RSML

- Florian could integrate the **PEGS** in the editor

Appendix C: Checks results and issues

URLs

Checking URLs result (last update: 2021-01-20):

Mer 20 jan 2021 13:57:19 CET

FILE: README.adoc

[✓] http://se.ethz.ch/~meyer/down/requirements_handbook/REQUIREMENTS.pdf
[~] <http://requirements-handbook.org/>
[✓] https://docs.google.com/document/d/1HrWCRzyW_iTf1QXFFzEoDvvc66IzMCDb3uXGS5GRWz8/edit?usp=sharing
[✓] <https://github.com/FormalRequirements/requirements-handbook>
[✓] <https://FormalRequirements.github.io/requirements-handbook>
[~] <https://github.com/FormalRequirements/requirements-handbook/workflows/Check%20Markdown%20links/badge.svg>
[✓] <https://github.com/FormalRequirements/requirements-handbook/actions>
[✓] <https://img.shields.io/badge/License-MIT-yellow.svg>
[✓] <https://opensource.org/licenses/MIT>
[✓] <https://img.shields.io/badge/Gitpod-ready--to--code-blue?logo=gitpod>
[✓] <https://gitpod.io/#https://github.com/FormalRequirements/requirements-handbook>
[✓] <https://img.shields.io/badge/PDF-Download-blue>
[✓] <https://github.com/FormalRequirements/requirements-handbook/blob/main/README.pdf>

FILE: githubImpl.adoc

[✓] http://se.ethz.ch/~meyer/down/requirements_handbook/REQUIREMENTS.pdf
[~] <http://requirements-handbook.org/>
[✓] https://docs.google.com/document/d/1HrWCRzyW_iTf1QXFFzEoDvvc66IzMCDb3uXGS5GRWz8/edit?usp=sharing
[✓] <https://github.com>

FILE: overview.adoc

[✓] http://se.ethz.ch/~meyer/down/requirements_handbook/REQUIREMENTS.pdf
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