



# Companion Requirements

J.-M. Bruel

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This document constitutes the requirements book of the [Requirements Handbook Companion](#). It follows the method presented in the [Handbook of requirements and business analysis](#). It uses the AsciiDoc template available [here](#).

## CHANGELOG

Version	Date	Comment
1.0	2021-02-01	Initial draft by <a href="#">J.-M. Bruel</a>
1.1	2021-02-08	Organization in separate books' files, by <a href="#">J.-M. Bruel</a>
1.2	2021-02-21	Writing of the Process book, by <a href="#">J.-M. Bruel</a>
1.2.1	2021-02-29	Minor improvements of verification rules, by <a href="#">J.-M. Bruel</a>
1.2.2	2021-04-16	Minor improvements of goals, by <a href="#">J.-M. Bruel</a>
1.2.1	2021-04-26	<i>Current PDF version, by <a href="#">J.-M. Bruel</a></i>

# Goals



Front matter

## G.1 Overall context and goals

1 The main purpose of the [Companion Book](#) is to complement the [Handbook](#) by providing useful additional material, examples, templates, and full PEGS use cases.

## G.2 Current situation

1 The only available material is the current status of the [Handbook](#).

## G.3 Expected benefits

1 [Readers](#) of the [Companion Book](#) should be able to find some templates for the requirements' book structure.

☑ [Corresponding Artifact](#)

## G.4 Functionality overview

2 The *system* under development in this specification is an unusual one: a book! It will serve as a companion for the [Handbook](#).

☑ [Corresponding Artifact](#)

## G.5 High-level usage scenarios

{emptysec}

## G.6 Limitations and exclusions

{emptysec}

## G.7 Stakeholders and requirements sources

Here is a non-exhaustive list of the stakeholders.

Table 1. Target side stakeholders

Stakeholder	Category	Comment
Springer	Legal department	In charge of the edition of the <a href="#">Companion Book</a>
Readers of the <a href="#">Handbook</a>	User	Readers of the main <a href="#">Handbook</a> that might need additional information about the method

Stakeholder	Category	Comment
Readers of the <a href="#">Companion Book</a>	User	Person reading the <a href="#">Companion Book</a> who might not have access to the main <a href="#">Handbook</a>

Table 2. Production side stakeholders

Stakeholder	Category	Comment
Author of the Handbook	Domain Expert	Bertrand Meyer, author of the <a href="#">Handbook</a> , and main evaluator of the <a href="#">Companion Book</a>
Author of the Companion Book	Project Manager	<a href="#">J.-M. Bruel</a> , author and effort leader of the <a href="#">Companion Book</a>

Most of the requirements come from the [Handbook](#).



*Back matter*

**TBD list**

[\[p1-persons\]](#).

# Environment

## E.1 Glossary

This section defines the domain-specific terms used in this document.

It also lists the icons used in this document.

### 1 Terms

#### Companion Book

The *system* to be developed: the companion book of [\[Handbook\]](#). Current version available [here](#).

#### Handbook

The book, entitled "Handbook of requirements and business analysis", written by Bertrand Meyer (see PDF [here](#)), and for which the [\[companion\]](#) serves as complementary material.

### 2 Icons

Here is the list of significations for the icons used when tracing the corresponding artifacts:

Table 3. Icons signification

Icon	Signification
☑	A precisely referenced artifact satisfying the requirement
✱	An artifact not yet fully functional
⊗	No corresponding artifact yet (requirement not satisfied)

## E.2 Components

{emptysec}

## E.3 Constraints

1 The [\[companion\]](#) should itself apply the method described in the [\[handbook\]](#).

## E.4 Assumptions

{emptysec}

## E.5 Effects

{emptysec}

## E.6 Invariants

{emptysec}

# Process



Front matter

## P.1 Roles

1 Here are the roles for the production of the [Companion Book](#):

- Leader: The person in charge of leading and organizing the writing effort.
- Writers: The persons contributing to the writing effort.
- Reviewers: The persons in charge of reviewing the [Companion Book](#).

☑ [Corresponding Artifact](#)

## P.2 Personnel characteristics and constraints

2 Here are the identified people involved in the development of the [Companion Book](#):

- Leader: The writing effort of the [Companion Book](#) is under the responsibility of [J.-M. Bruel](#).
- Writers: In addition to [J.-M. Bruel](#), here are the persons involved: Sophie Ebersold, Marya Naumchev, Alexandr Naumchev, Florian Galinier
- Reviewers: In addition to Bertrand Meyer, author of [Handbook](#), some reviewers will be found among early adopters of [Handbook](#).

TBD

### Author

[J.-M. Bruel](#)

### Date

2021-02-21

### Deadline

June

### Importance

serious

### Needs

- ☐ stakeholders to ask
- ☐ documentation to consider
- ☒ management decision (by Bertrand Meyer)

⊗ [Corresponding Artifact]



## P.3 Imposed technical choices

3 The [Companion Book](#) should be written in English.

4 The [Companion Book](#) should be written in one of the compatible inputs of the publisher, Springer.

⊗ [Corresponding Artifact]

## P.4 Schedule and milestones

5 The expected date of the [Companion Book](#) is the end of June.

## P.5 Tasks and deliverables

6 The tasks are managed through the use of a collaborative repository: <https://github.com/FormalRequirements/requirements-handbook>.

## P.6 Risk and mitigation analysis

{emptysec}

## P.7 Requirements process and report

The production of the [Companion Book](#) will not follow a particular requirements process.



*Back matter*

**TBD list**

[\[p2-persons\]](#).

# System

## S.1 Components

The components of the [companion] initially identified are the following:

- 1 An overview of the PEGS method.
- 2 At least one case study ([Roborace](#))
- 3 At least one book template

## S.2 Functionality

⚠ Nothing available at this point.

## S.3 Interfaces

 Nothing available at this point.

## S.4 Scenarios (use cases, user stories)

⚠ Nothing available at this point.

## S.5 Prioritization

⚠ Nothing available at this point.

## S.6 Verification and acceptance criteria

Here are some examples of verification rules currently implemented in the [Companion Book](#).

- 1 The books may reference each other, but not arbitrarily. The following diagram shows which books may refer to which.

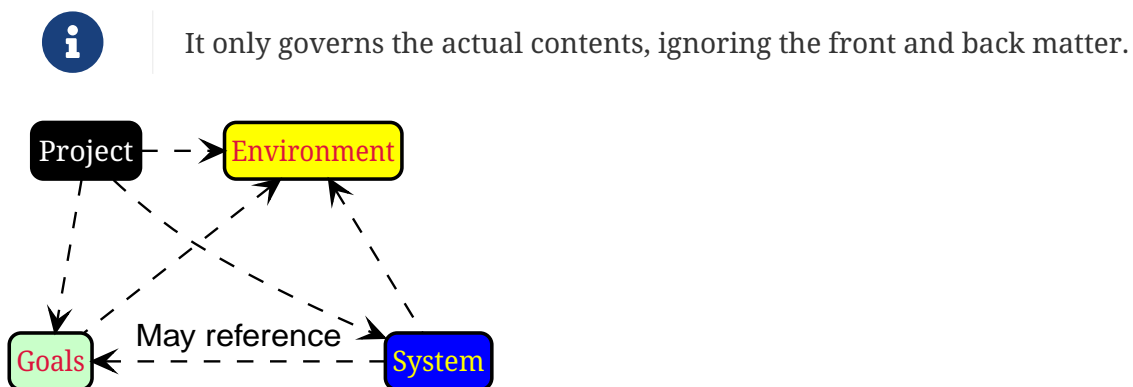


Figure 1. Possible references between the books



PEGS