



2019-05-08

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FORMAL REVIEWS IN POLARION



Review and approval types

According to ISO 26262

Review type	Description
Local (informal) reviews	According to local routines in the line organisation
Verification review	Someone that is not the author reviews the item/document and approves or disapproves
Confirmation review	An independent (from other organization) reviewer approves or disapproves (a review of the review)



Scania basic workflow

For most workitems

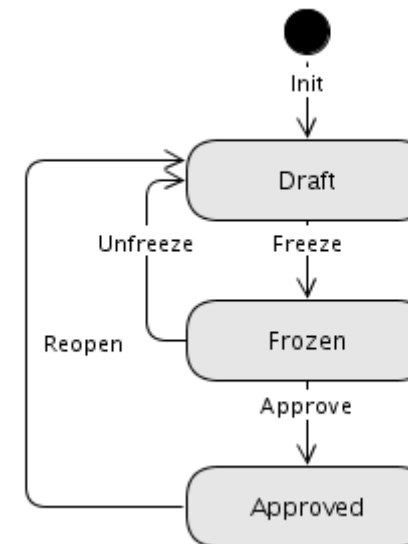
- Draft – Work in progress
- Frozen – Frozen item, typically for review
- Approved – Approval based on the Scania review process

Custom fields

-IRMA Revision, stepped when Approved

-IRMA Version, stepped when frozen

Status and transitions



Based on Scania IRMA standards



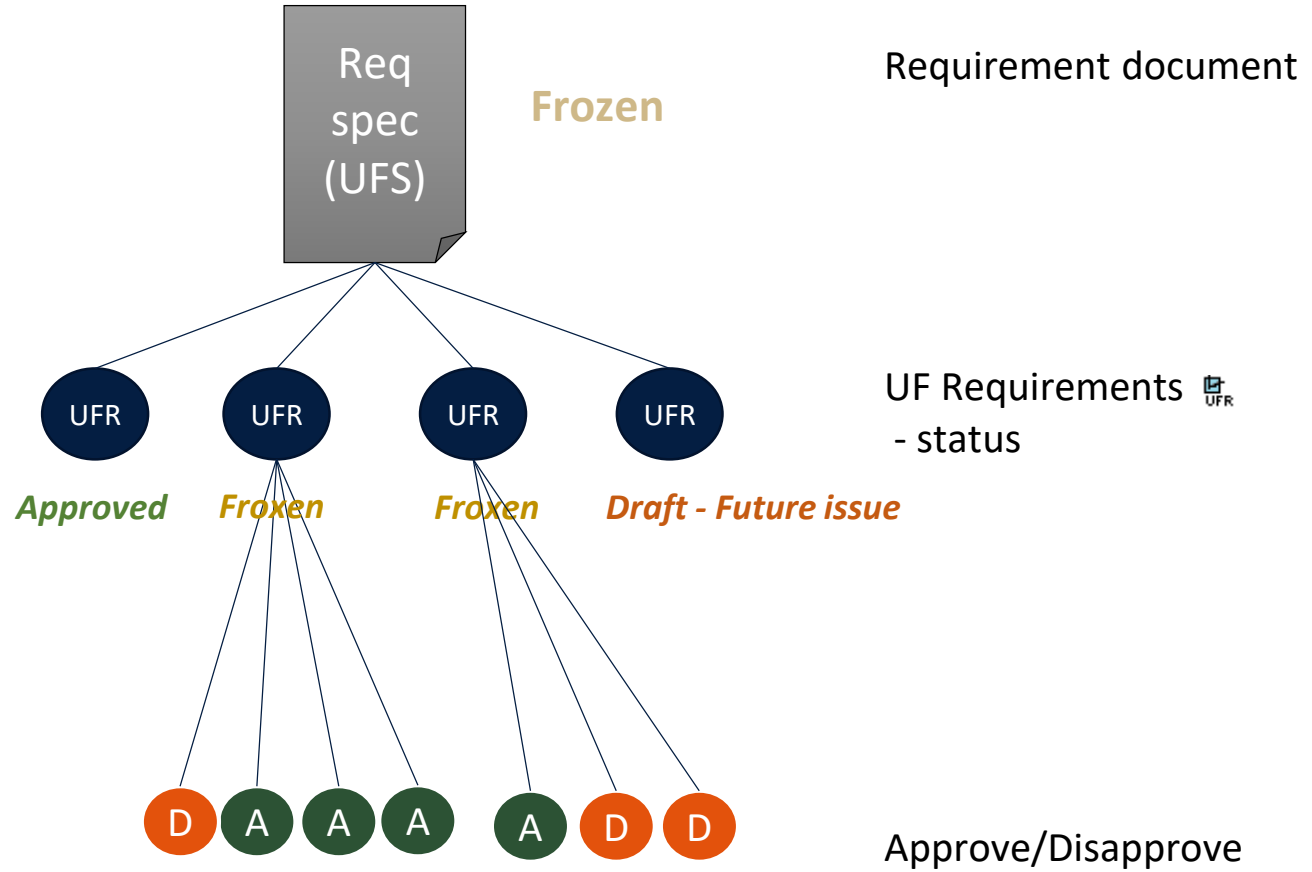
Reviewing requirements

Review and approve

Review and approve document

Approve requirements

Review requirements





Reviewing requirements

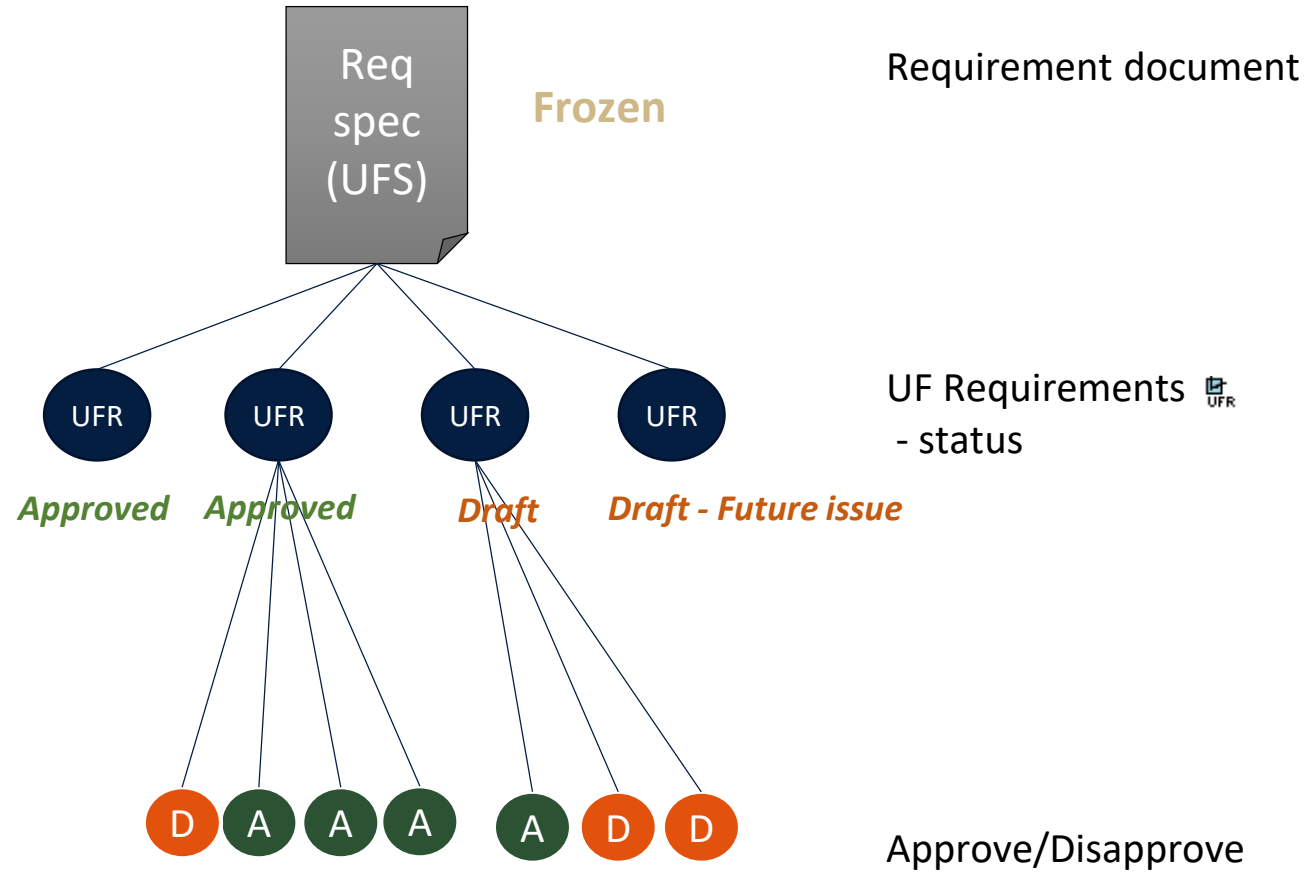
Review and approve

Review and approve document

Approve requirements

Verification review

Review requirements





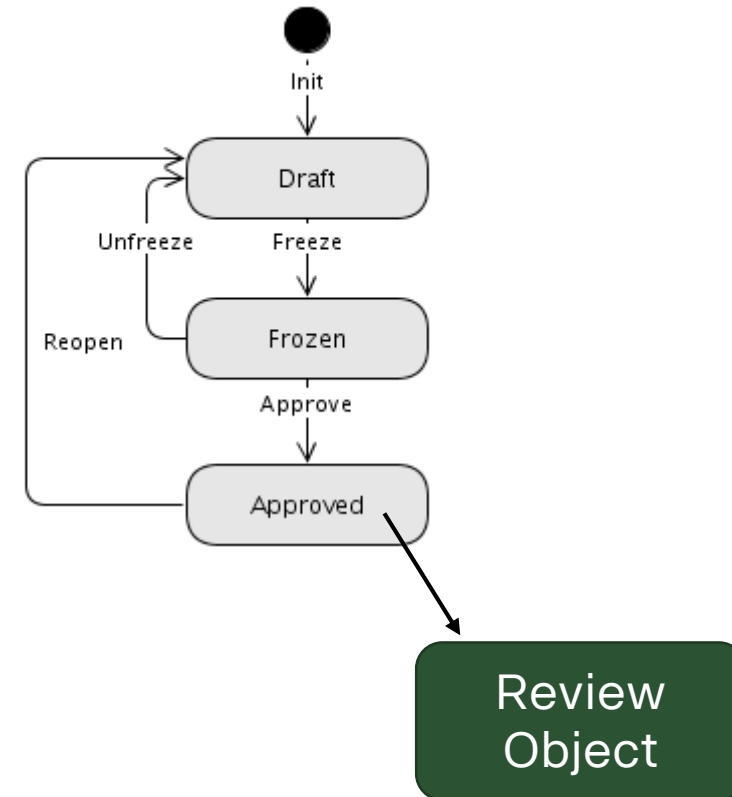
Scania basic workflow

For most workitems

- Draft – Work in progress
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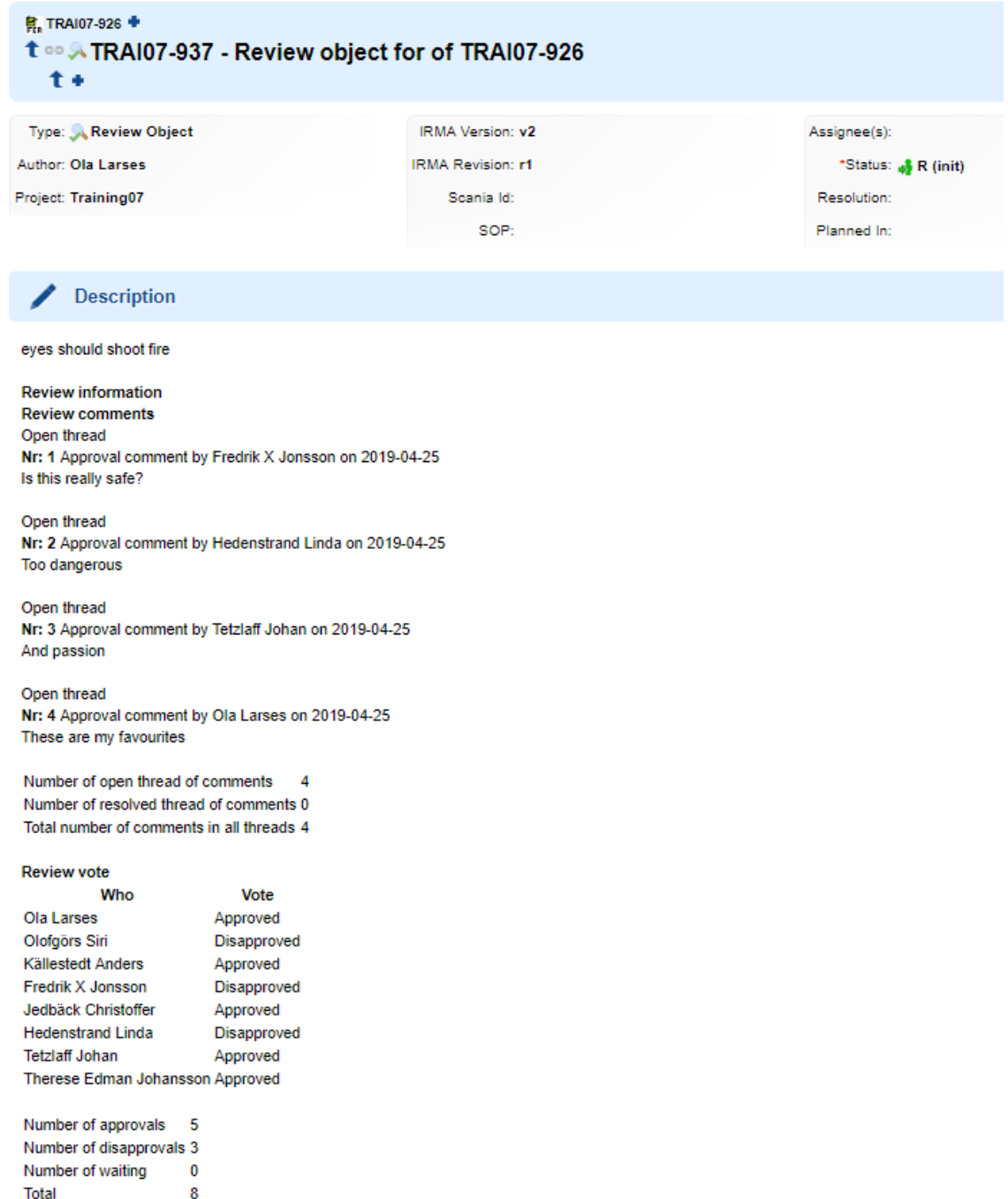
A review object for Confirmation review is created when the Verification review is approved

Status and transitions



The review object

- The review object contains information about the verification review (when the requirement was approved)
- The status of the review object indicates if a confirmation review has been concluded



The screenshot shows a web interface for a review object. At the top, there is a header with the object ID 'TRAI07-937 - Review object for of TRAI07-926'. Below this, there are three columns of metadata: 'Type: Review Object', 'Author: Ola Larses', and 'Project: Training07'; 'IRMA Version: v2', 'IRMA Revision: r1', 'Scania Id:', and 'SOP:'; and 'Assignee(s):', 'Status: R (init)', 'Resolution:', and 'Planned In:'. A 'Description' section follows, containing several 'Open thread' entries with their respective titles and dates. Below the threads, there are summary statistics for comments and votes. Finally, a 'Review vote' table lists the names of reviewers and their votes.

TRAI07-926 +
TRAI07-937 - Review object for of TRAI07-926

Type: Review Object
Author: Ola Larses
Project: Training07

IRMA Version: v2
IRMA Revision: r1
Scania Id:
SOP:

Assignee(s):
Status: R (init)
Resolution:
Planned In:

Description

eyes should shoot fire

Review information
Review comments
Open thread
Nr: 1 Approval comment by Fredrik X Jonsson on 2019-04-25
Is this really safe?

Open thread
Nr: 2 Approval comment by Hedenstrand Linda on 2019-04-25
Too dangerous

Open thread
Nr: 3 Approval comment by Tetzlaff Johan on 2019-04-25
And passion

Open thread
Nr: 4 Approval comment by Ola Larses on 2019-04-25
These are my favourites

Number of open thread of comments 4
Number of resolved thread of comments 0
Total number of comments in all threads 4

Review vote

Who	Vote
Ola Larses	Approved
Olofgörs Siri	Disapproved
Källestedt Anders	Approved
Fredrik X Jonsson	Disapproved
Jedbäck Christoffer	Approved
Hedenstrand Linda	Disapproved
Tetzlaff Johan	Approved
Therese Edman Johansson	Approved

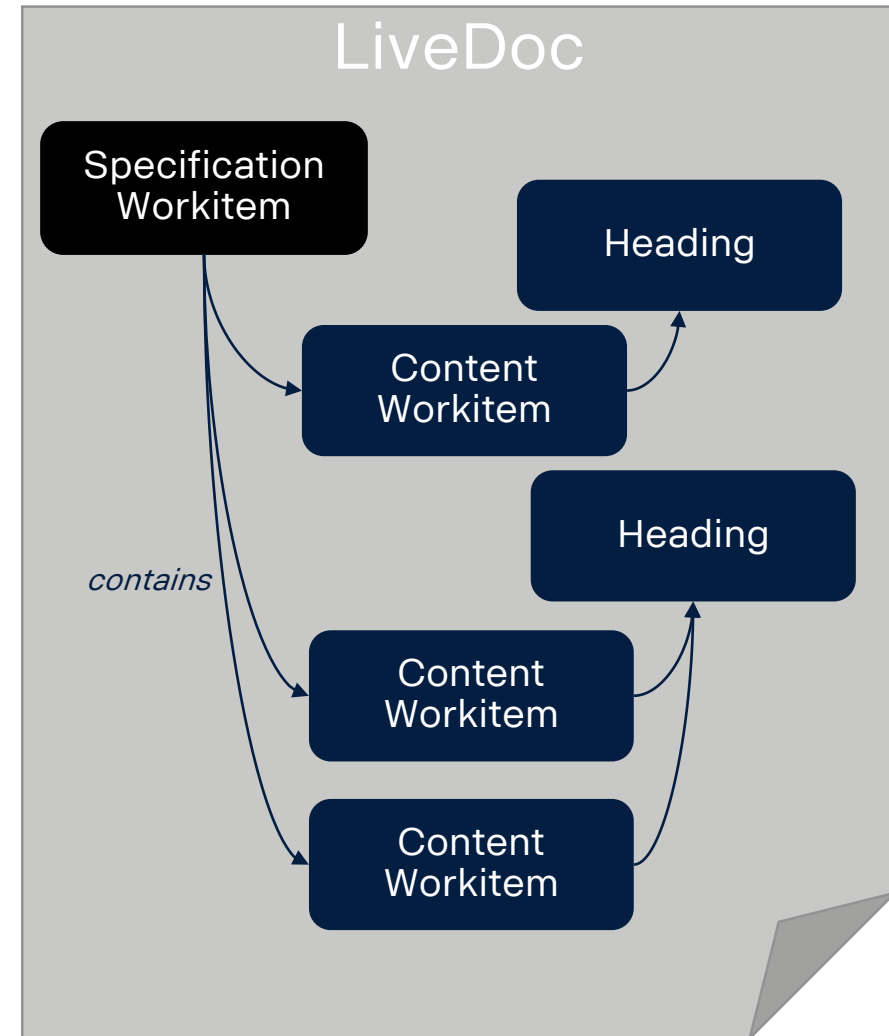
Number of approvals 5
Number of disapprovals 3
Number of waiting 0
Total 8





Documents and Specification Workitems

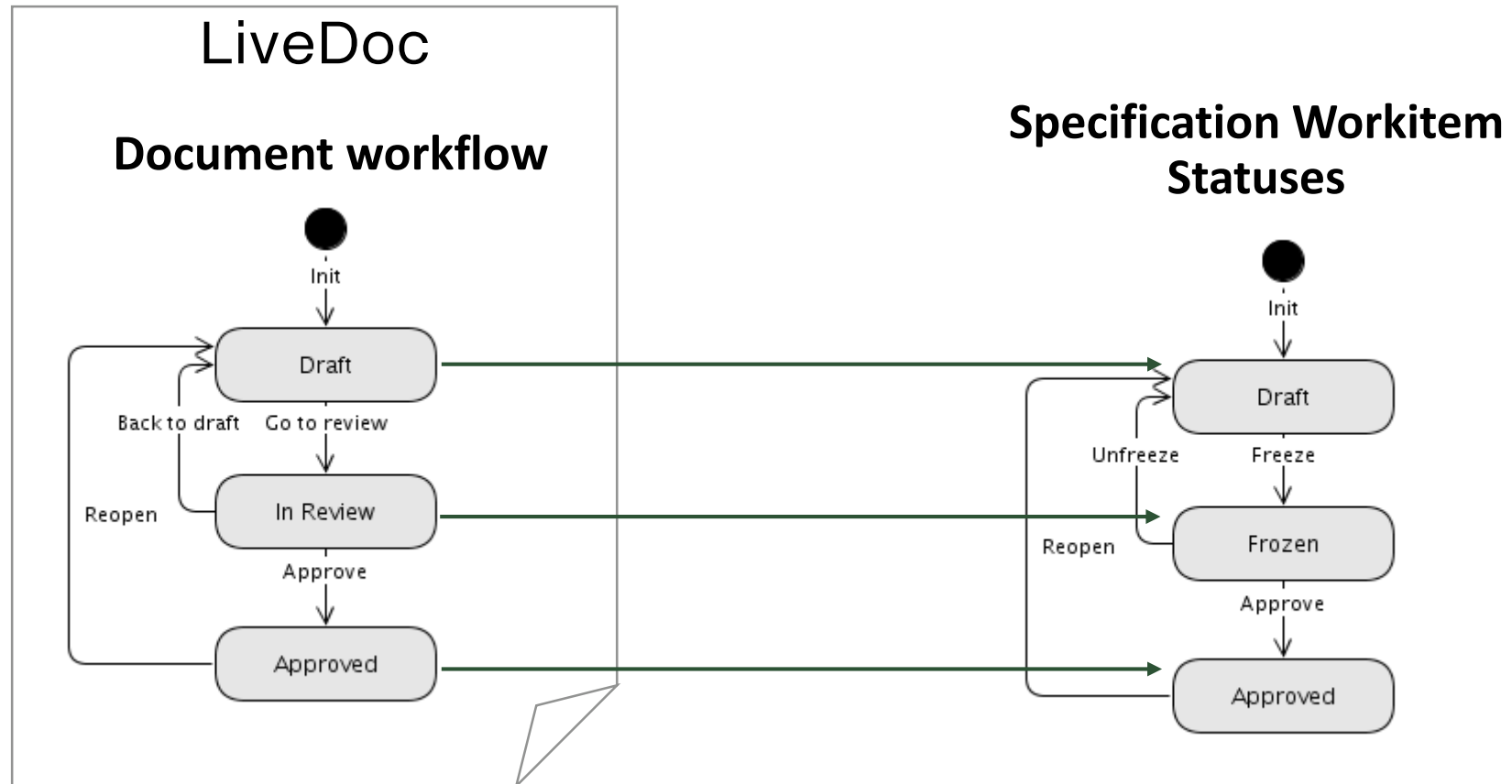
- A Specification Workitem type exist that represent the documents
- The Specification workitem is linked to all the content workitems in the document





User interface

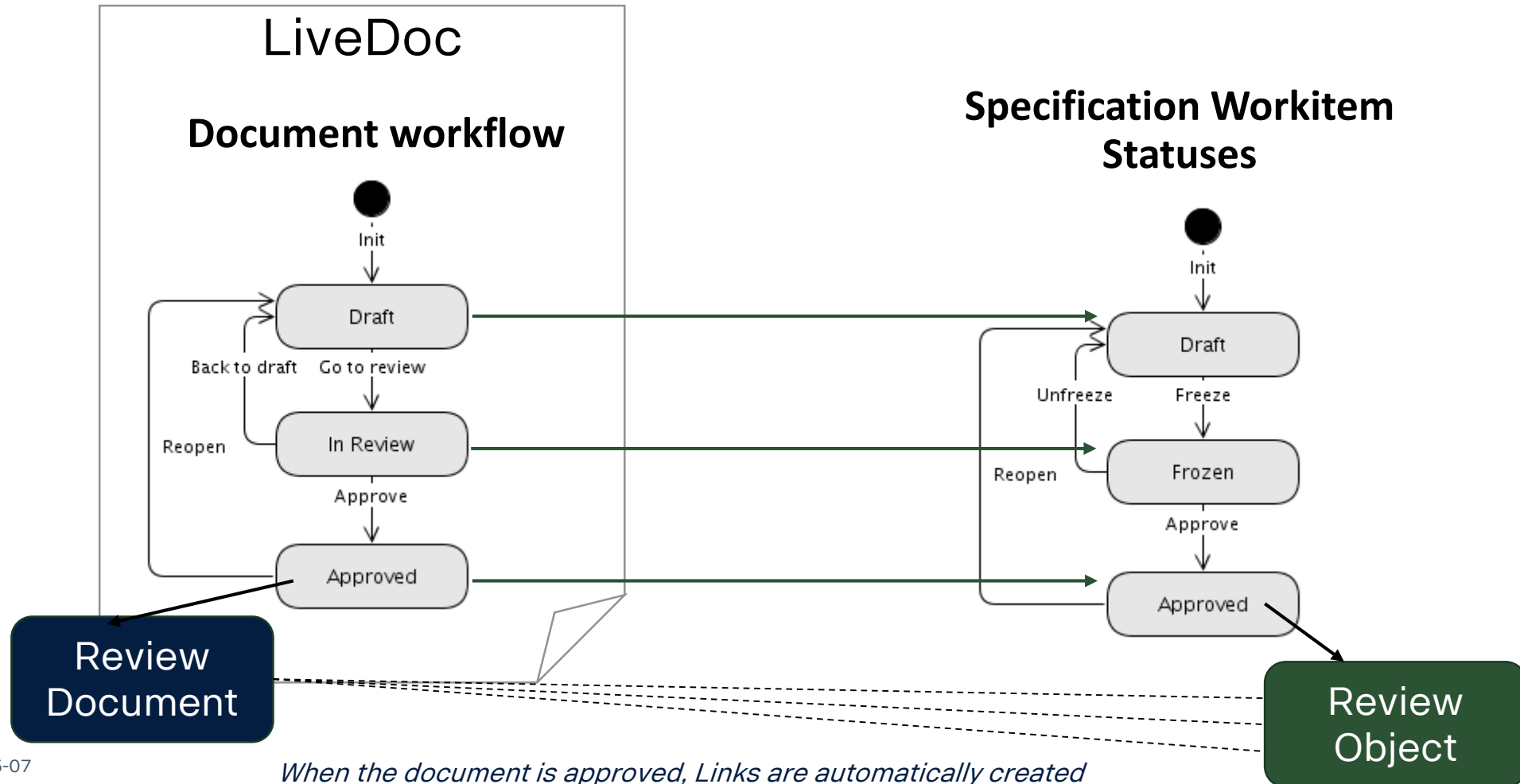
Documents/Specification workitems





User interface

Documents/Specification workitems





User interface

Confirmation review is done in a review document

Current revision: Showing revision #42802

Olas UF 22

Document Title	Olas UF 22
Document Version	1
Project	ChaffMicroProject 2019
Document Status	Approved
Updated by	Ola Larses xxazw4
Updated	2019-02-19 13:27

Document	Status	Pol Rev	Date	Released by	Release
Frozen version: 1	In Review	42791	2019-02-19 13:20	Ola Larses xxazw4	
Approved IRMA revision: 1 (1)	Approved	42802	2019-02-19 13:27	Ola Larses xxazw4	

1 Introduction

1.1 Background

(insert reference to UE here, select UE from project Structure, [workitem](#) type: Structure Object)
(You can copy-paste (paste as reference) structure objects from documents here: [uif Product Structure](#))

[UE-Demo11](#)

1.2 Status

(insert User Function Specification here, link to UE above)

My UE: 4 **Approved, v2, r1**

1.3 General description of the function

(insert Description here, link it to User Function Specification above. This section should give an overview of what we want the function to achieve. Primarily (but not necessarily exclusively) from the user perspective. It should preferably be written for a layman without insight into the inner workings of the SESAMM electrical system. Think that it could be copied directly into the driver's manual.)

1.4 Stakeholder requirements

1.4.1 Stakeholders

(list all stakeholders)

Confirmation review document for Olas UF 22 rev:2

CMP19-644 - Confirmation review extract.
This document contains the reviewed history for each reviewed requirement (and the requirements text)
Purpose of this document is to display the review history in one place for confirmation review. The actual requirement is linked from each RQ in this document and via that link can more details of the requirement be displayed.

By approving RQ in this document is the review of these requirements confirmed.

New review instructions for verification review are coming.

Current instruction is: [\global\dfs04\05_General\SystemsSafety\80_Web\drafts\TB4766 in work.pdf](#)
Tool instruction for Polarion: https://wikiinline.scania.com/wiki/Do_review_in_Polarion

Olas UF 22

1 Introduction

1.1 Background

1.2 Status

CMP19-620 - My UF 2

Review information
Review comments

Open thread
Nr: 1 Approval comment by Christian Ehrenborg on 2019-02-19
[Strukturen är inget vidare](#)

Number of open thread of comments 1
Number of resolved thread of comments 0
Total number of comments in all threads 1

Review vote

Who	Vote
Ola Larses xxazw4	Approved
Christian Ehrenborg	Disapproved

Number of approvals 1
Number of disapprovals 1
Number of waiting 0
Total 2

[Scania Id], v2, [IRMA Revision], [ASIL]

My Approvals

All Approvals | My Approvals

1 Approved | 0 Disapproved | 0 Waiting | 3 Outstanding

CMP19-620

Approved | Disapprove | Comments

Revert approval state change(s)

Approved by: Ola Larses
Disapproved by: none
Waiting for: none

Review looks OK

Confirmation review



Reviewing requirements

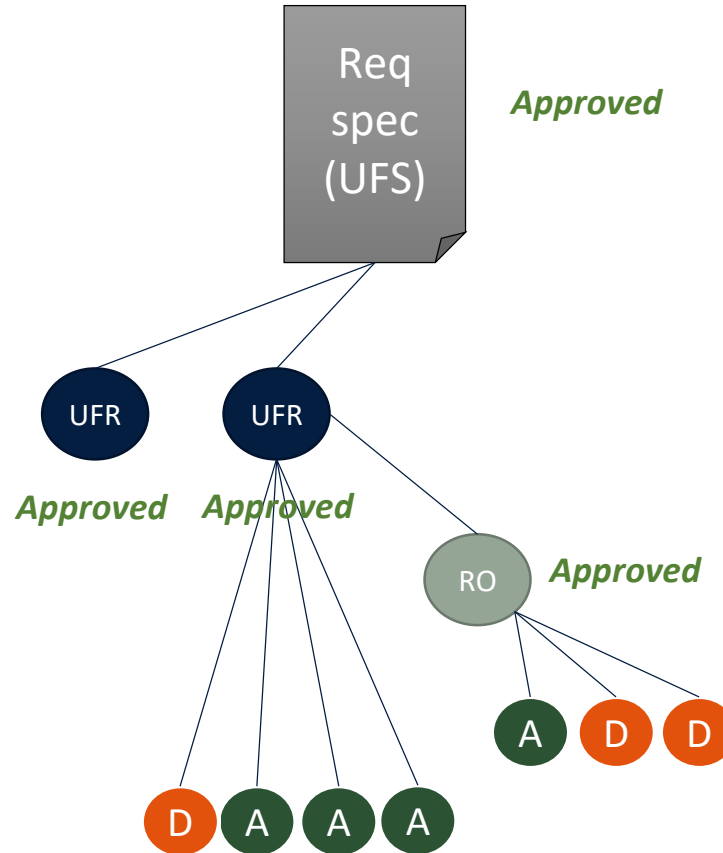
Review and approve

Review and approve document


Approve requirements

Verification review

Review requirements



Requirement document

UF Requirements  - status

Review object

Confirmation review

Approve/Disapprove