

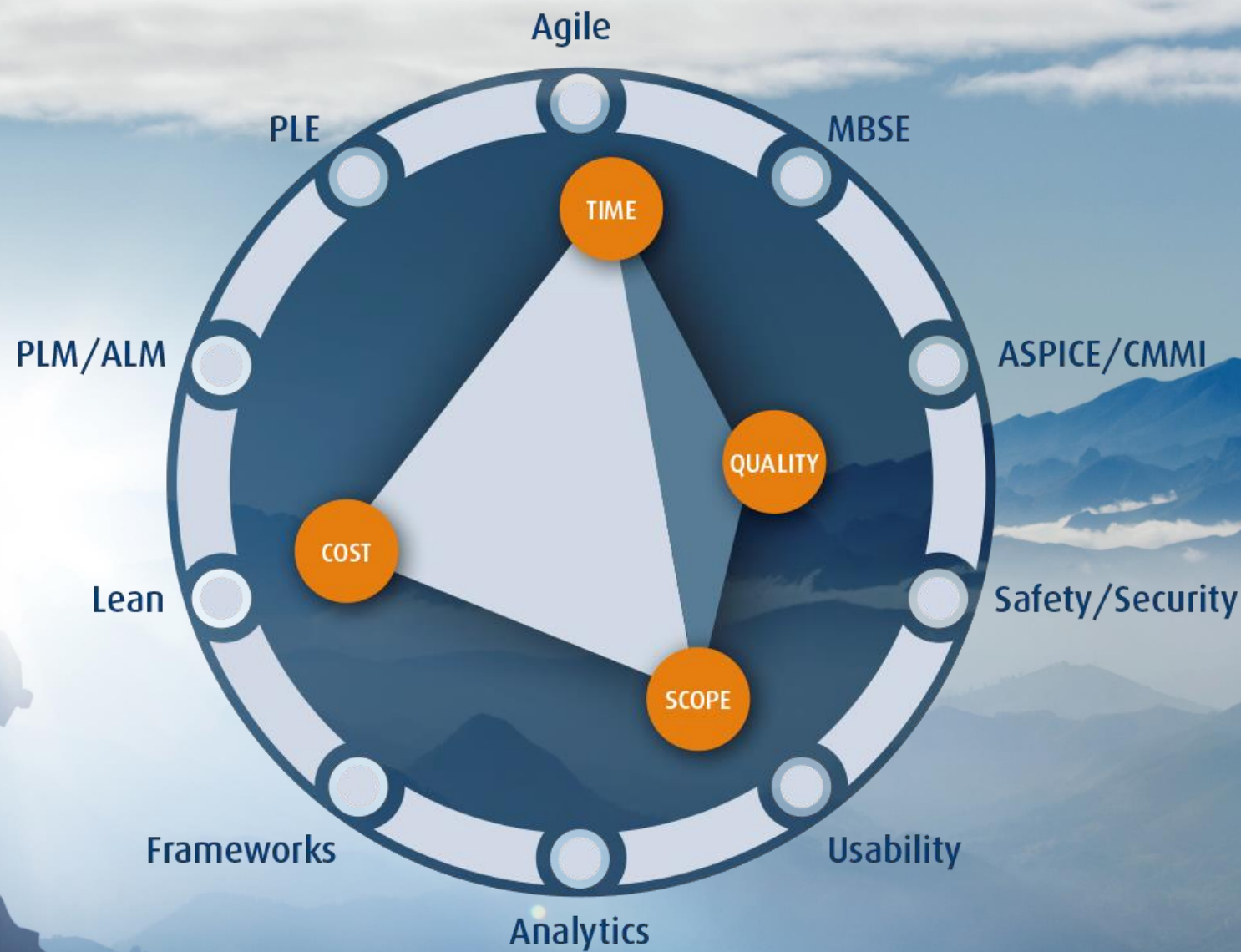
Process Insights 2018

Successful Process Transformation

Stages Strategy & Roadmap



Process Excellence



V7.2

Stages 7.2

Reporting

Compliance

Tailoring

Dashboard



System & Software Design
PROCESS AREAS



CMMI-DEV V1.3 (SAMPLE)
REFERENCE MODELS



TS SG 1: Select Product Component
Solutions

PROCESS CATEGORY



TS SP 1.1: Develop Alternative
Solutions and Selection Criteria

SPECIFIC PRACTICE



TS SP 1.2: Select Product Component
Solutions

SPECIFIC PRACTICE



Superuser



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Search for process content

Process > Goals & Practices > Engineering > TS: Technical Solution > TS SG 1: Select Product Component Solutions

Working Version



TS SP 1.1: Develop Alternative Solutions and Selection Criteria

DESCRIPTION

Develop alternative solutions and selection criteria.

Refer to the Allocate Product Component Requirements specific practice in the Requirements Development process area for more information about obtaining allocations of requirements to solution alternatives for the product components.

Refer to the Decision Analysis and Resolution process area for more information about establishing evaluation criteria.

Alternative solutions should be identified and analyzed to enable the selection of a balanced solution across the life of the product in terms of cost, schedule, performance, and risk. These solutions are based on proposed product architectures that address critical product quality attribute requirements and span a design space of feasible solutions. Specific practices associated with the Develop the Design specific goal provide more information on developing potential product architectures that can be incorporated into alternative solutions for the product.

COMPLIANCE RATING

Partially



NOTES



None

COMPLIANCE REFERENCES



Work Product

Add Work Products

System

Add Workflows & Activities

Workflows

Add Phases

Create/

Add Guidance

Add Roles

Guidance

1



Checklist Component Design



Process

Workflows and Activities
FOLDER

Work Products
FOLDER

Roles
FOLDER

Phases and Milestones
FOLDER

Guidance
FOLDER



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Back

Tailoring Assistant

STEP THROUGH THE TAILORING QUESTIONS

Back

Next

What is the estimated risk classification of the project?

Risk Class High

Risk Class Medium

Risk Class Low

I don't know

Cancel

Preview Tailoring

Execute



Admin
FOLDER

License Report
REPORT



Usage Report
REPORT



Superuser



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Reports > Report Hierachy > Admin

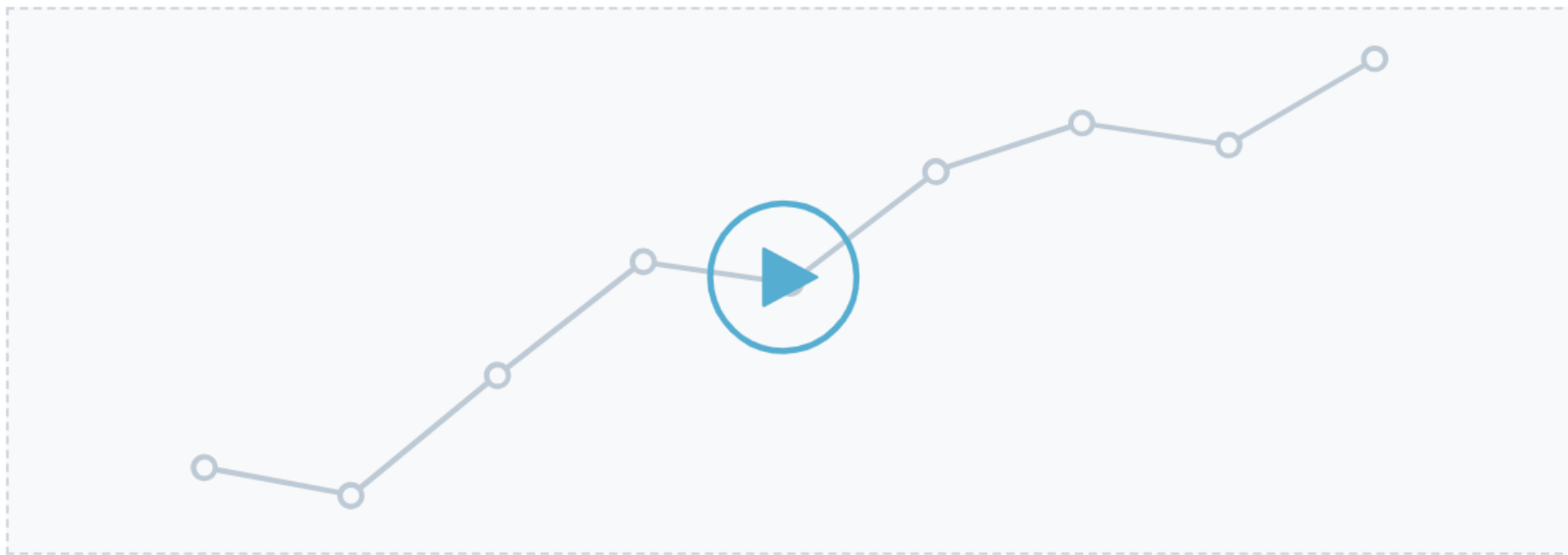
Working Version



License Report

REPORT

Run



DESCRIPTION

None



V7.2

TOMORROW

Stages 7.3

Workspace Tree View

Phase Freeze

JIRA Integration

Engineering Data View



Stakeholder Requirements
Definition
WORKFLOW

Identify stakeholders
WORKFLOW

Elicit stakeholder requirements
ACTIVITY

Define Stakeholder Requirements
ACTIVITY

Analyze stakeholder requirements and
establish MOEs
WORKFLOW

Maintain stakeholder requirements
traceability
WORKFLOW

Review stakeholder requirements with
stakeholders
WORKFLOW

Establish Stakeholder Requirement
baselines
WORKFLOW



Superuser



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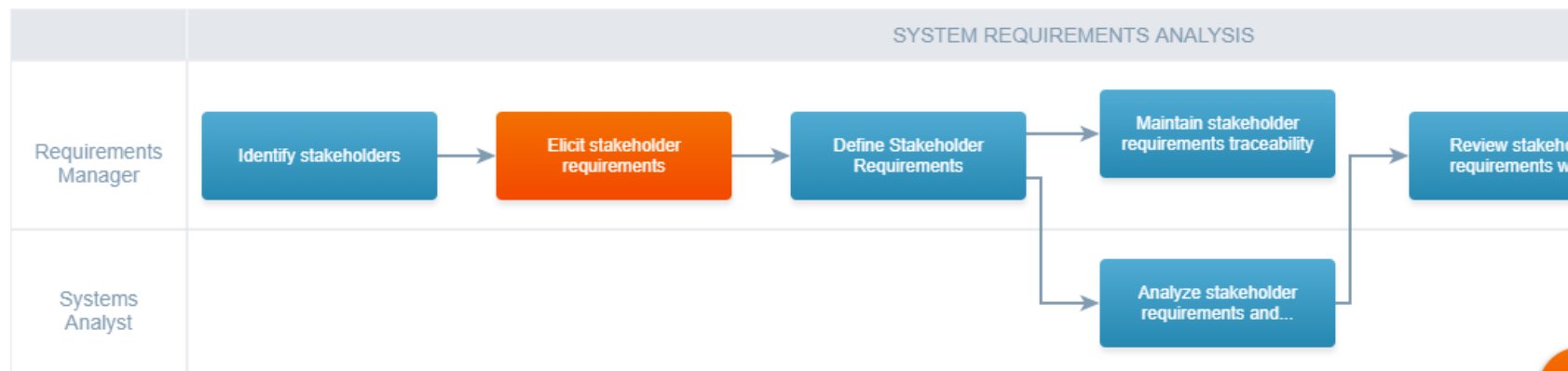
Search for process content

Process > Workflows and Activities > Stakeholder Requirements Definition

Working Version

Elicit stakeholder requirements

FLOW TABLE GRID



DESCRIPTION

Description

Stakeholder requirements are expressed in terms of the needs, wants, desires, expectations and perceived constraints of identified stakeholders. They are typically expressed as WHAT is to be done and HOW WELL. The outcome may be in terms of a model that may be textual or formal, that concentrates on system purpose and behaviour, and that is described in the context of the operational environment and conditions.

- Record the assumptions of stakeholders.

COMPLIANCE

None



Stakeholder Requirements
Definition
WORKFLOW

Identify stakeholders
WORKFLOW

Elicit stakeholder requirements
ACTIVITY

Define Stakeholder Requirements
ACTIVITY

Analyze stakeholder requirements and
establish MOEs
WORKFLOW

Maintain stakeholder requirements
traceability
WORKFLOW

Review stakeholder requirements with
stakeholders
WORKFLOW

Establish Stakeholder Requirement
baselines
WORKFLOW



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Search for process content

Process > Workflows and Activities > Stakeholder Requirements Definition

Working Version

Elicit stakeholder requirements

Stakeholder	Number	Target Date	Status
A	393434	2018-10-01	COMPLETE
B	522345235	2018-10-01	COMPLETE
C	2523	2018-10-01	COMPLETE
D	564874587	2018-10-03	IN PROGRESS
E	225	2018-10-01	COMPLETE
F	346563	2018-10-01	COMPLETE
G	245252	2018-10-01	COMPLETE
H	2456346	2018-10-01	COMPLETE
I	26242	2018-10-05	IN PROGRESS
J	121	2018-10-03	NOT STARTED
K	74354	2018-10-01	COMPLETE
L	333	2018-10-01	COMPLETE

Stages 7.3 (PLAN!!)

Workspace Tree View

Phase Freeze

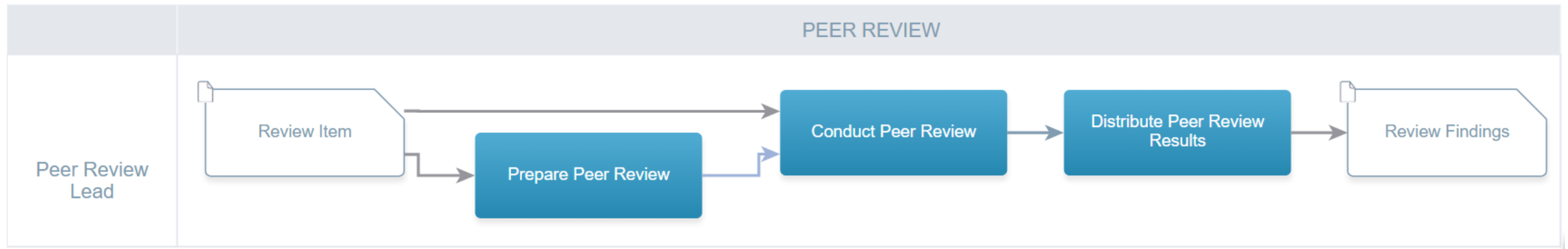
JIRA Integration

Engineering Data View

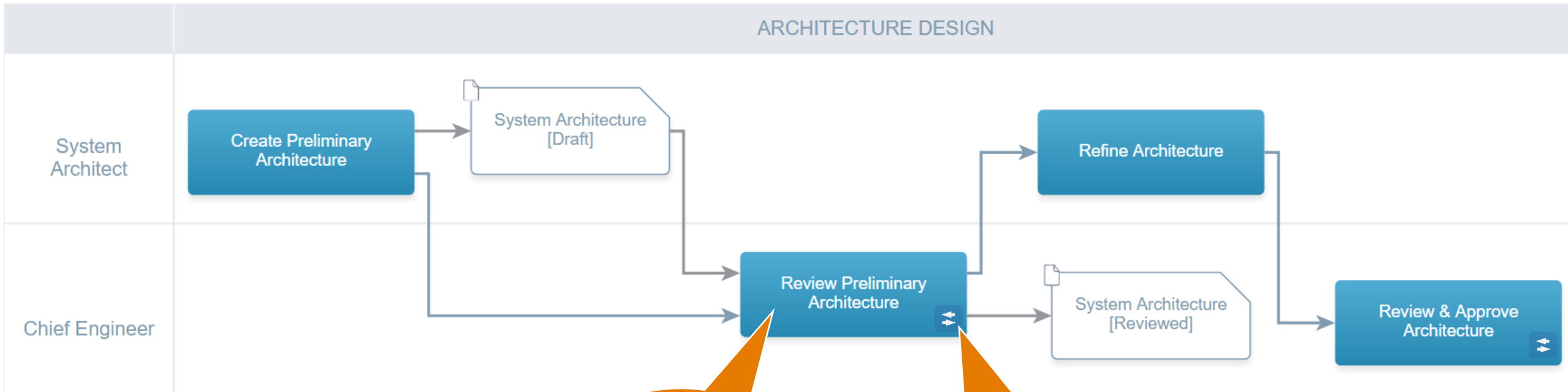
Further Stages V7 Roadmap

Process Linking

Generic Review Prozess



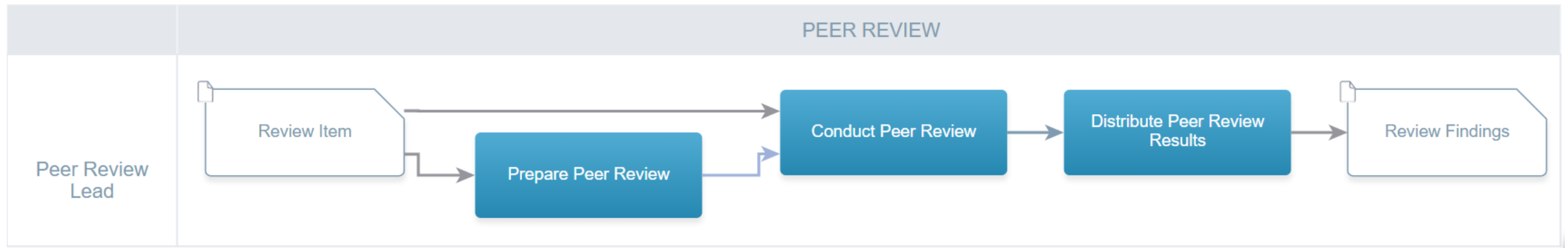
Architecture Design Process



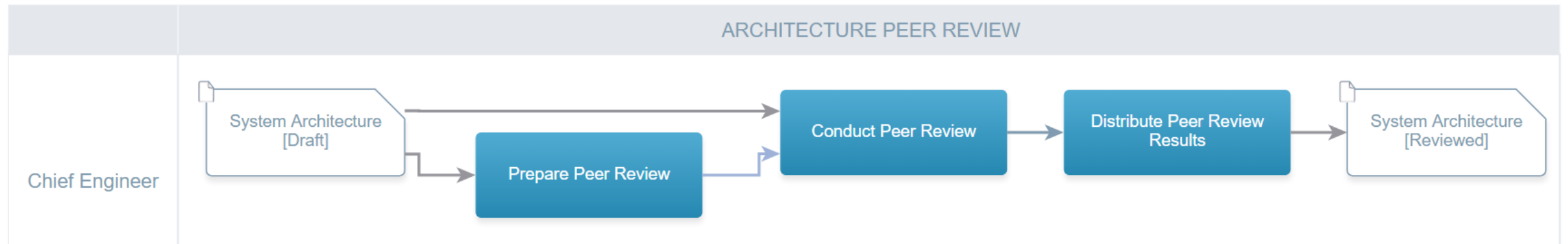
Link to
“Review
Pre. Arch.”
Element

Link to
“Peer
Review”
Prozess

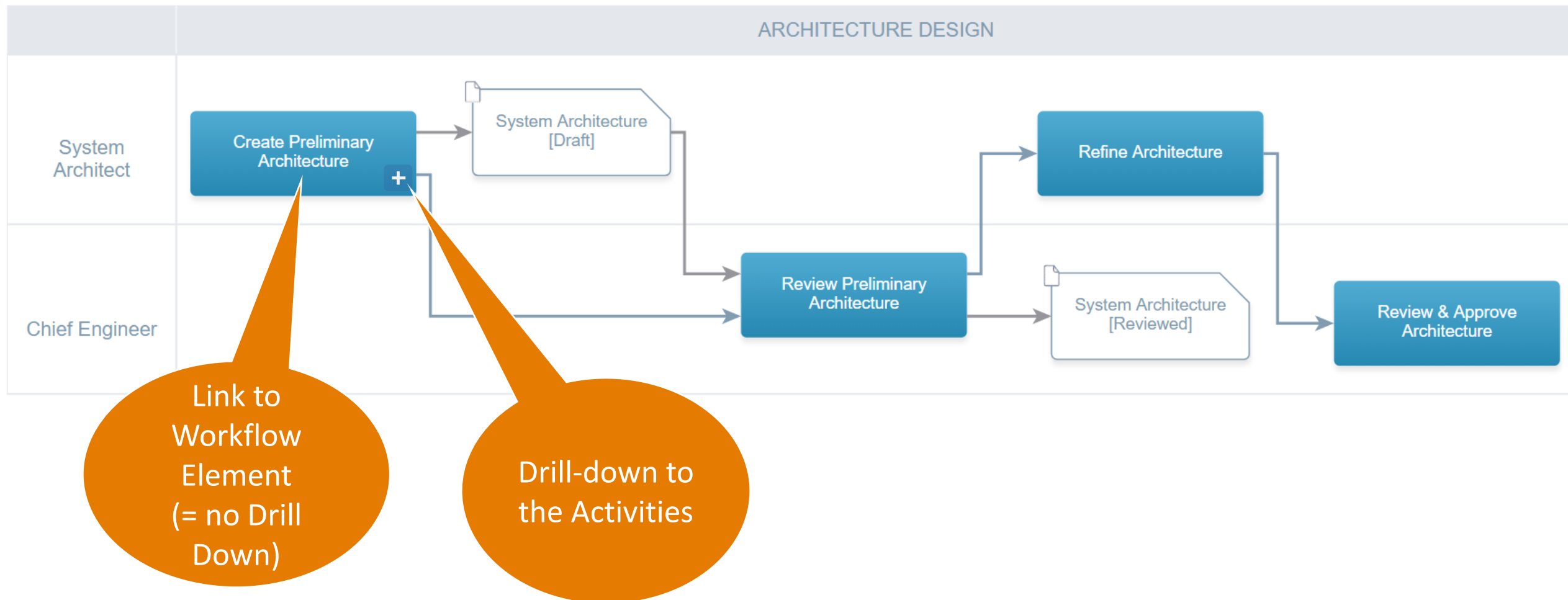
Generic Review Prozess



Specific Review Process



Consequence: Behavior Change of „+“ Icon



Further Stages V7 Roadmap

Process Linking

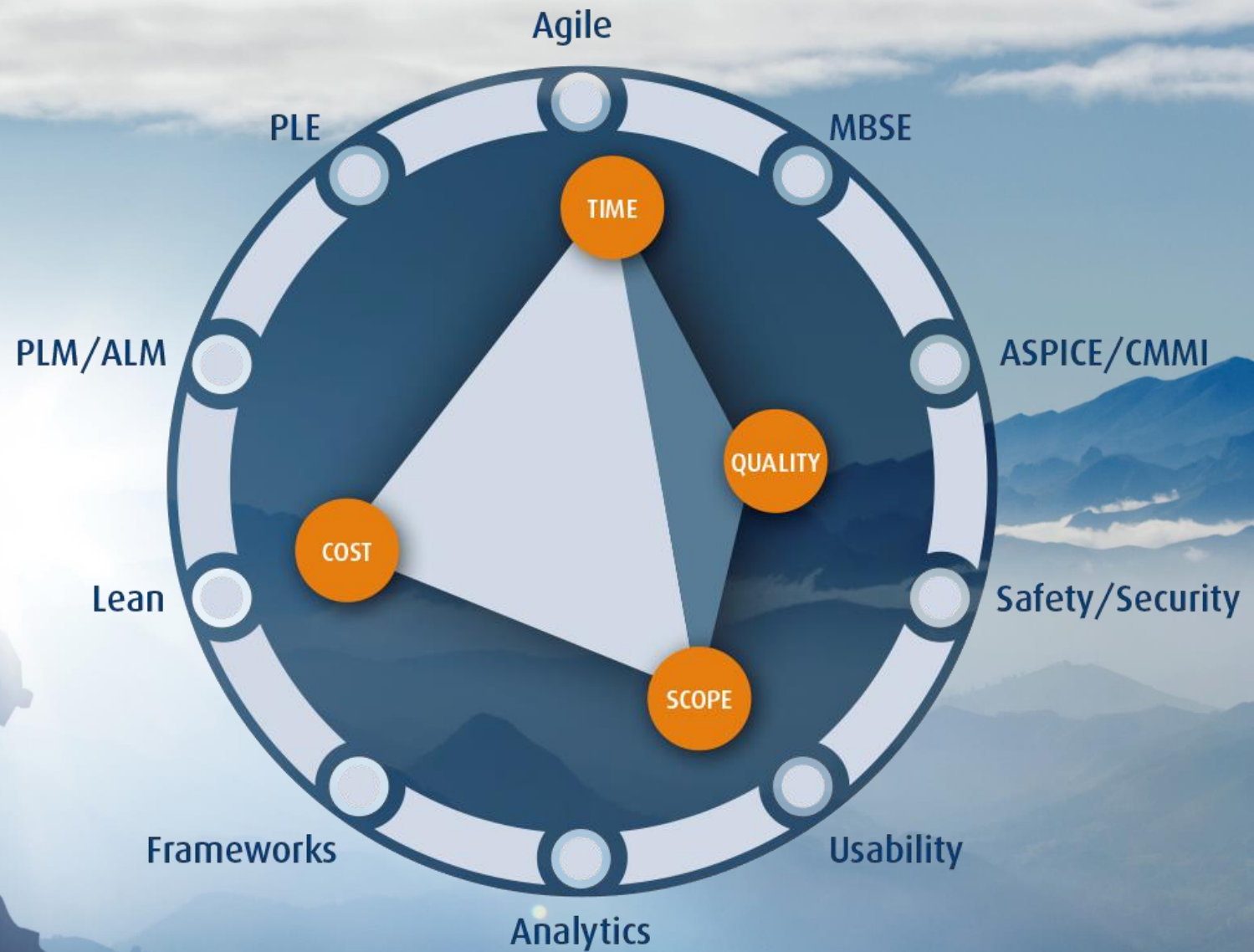
News & Notifications

Process Diff

Process Refactoring

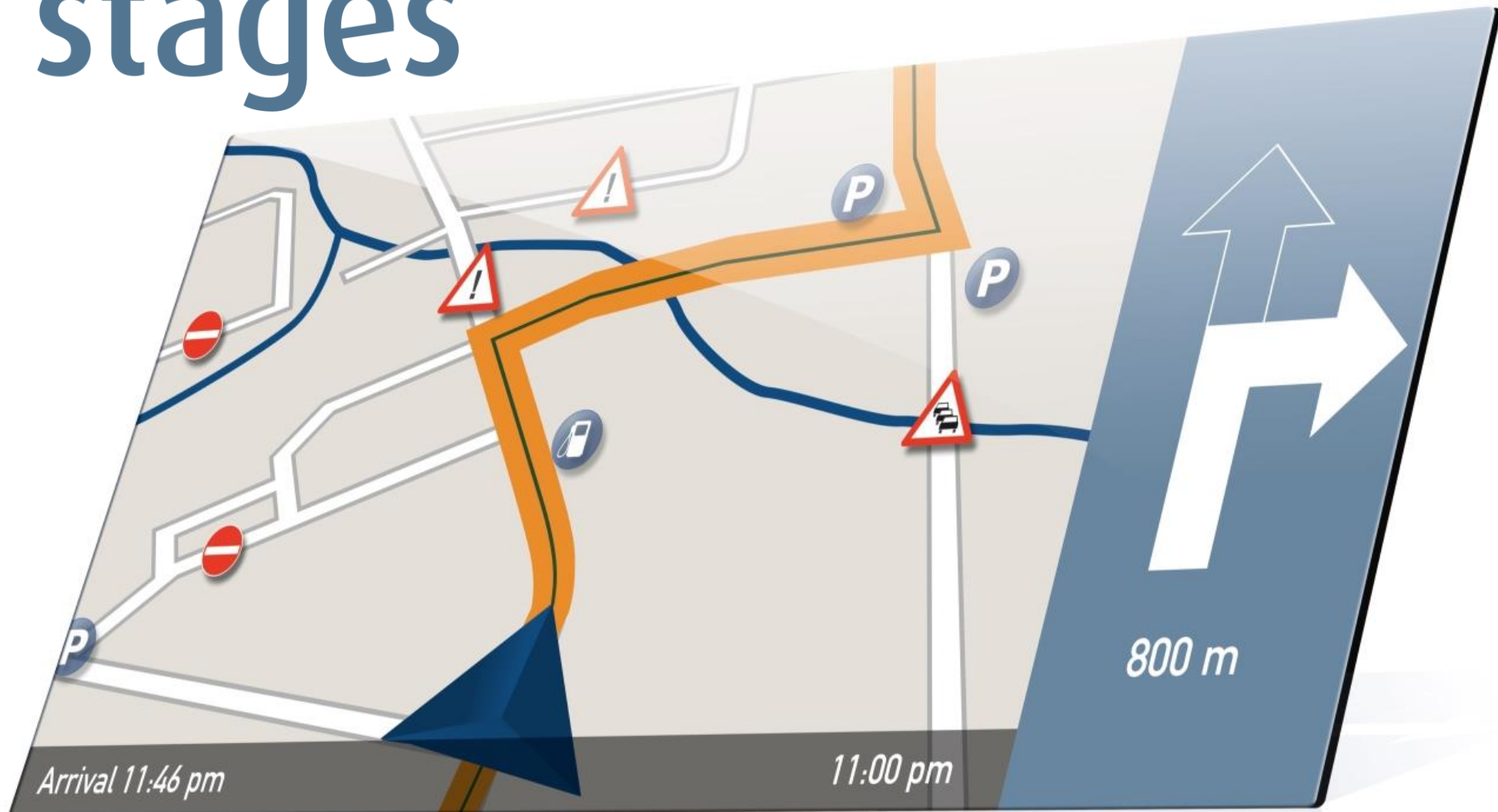
Process Feedback & Analytics

Process Excellence Body of Knowledge

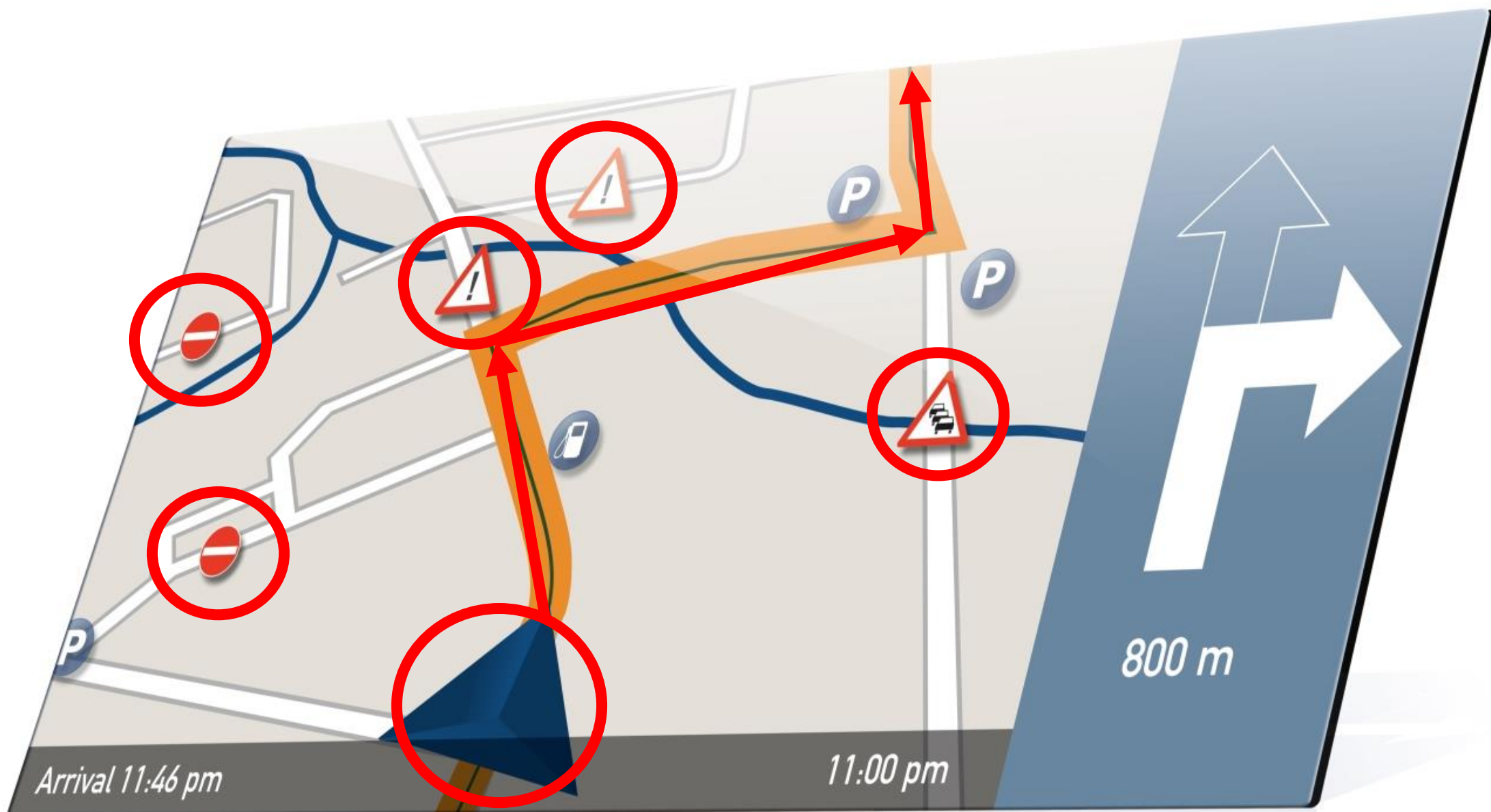




stages



The Process Navigation System



Context

Process Context

Role

Organizational Function

Project or Program

Product Line / Customer

More sophisticated Process Context

Location

Time → Phase, Iteration, Sample

Past Behavior → Machine Learning_(?)

Our Next Vision

A silhouette of a man and a young child walking away from the viewer on a grassy field. The man is on the left, holding the child's hand. Both are holding golf clubs. The background is a bright, orange-hued sunset sky with some clouds. The overall mood is peaceful and instructional.

My Process

Intelligent Guide

Context Aware Process

Process Instantiation++

For your Process Excellence