Process Insights 2018

Successful Process Transformation

Stages Strategy & Roadmap
Process Excellence
Stages 7.2

Reporting

Compliance

Tailoring

Dashboard
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.
Tailoring Assistant

STEP THROUGH THE TAILORING QUESTIONS

What is the estimated risk classification of the project?

- Risk Class High
- Risk Class Medium
- Risk Class Low
- I don’t know
Stages 7.3

Workspace Tree View
Phase Freeze
JIRA Integration
Engineering Data View
Elicit stakeholder requirements

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.
## Elicit stakeholder requirements

<table>
<thead>
<tr>
<th>Stakeholder</th>
<th>Number</th>
<th>Target Date</th>
<th>Status</th>
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Stages 7.3  (PLAN!!)

Workspace Tree View
Phase Freeze
JIRA Integration
Engineering Data View
Further Stages V7 Roadmap

Process Linking
Generic Review Prozess

PEER REVIEW

<table>
<thead>
<tr>
<th>Peer Review Lead</th>
<th>Review Item</th>
<th>Prepare Peer Review</th>
<th>Conduct Peer Review</th>
<th>Distribute Peer Review Results</th>
<th>Review Findings</th>
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</table>
Architecture Design Process

<table>
<thead>
<tr>
<th>System Architect</th>
<th>Chief Engineer</th>
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</thead>
<tbody>
<tr>
<td>Create Preliminary Architecture</td>
<td>Review Preliminary Architecture</td>
</tr>
<tr>
<td>System Architecture [Draft]</td>
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</tr>
<tr>
<td>Refine Architecture</td>
<td>System Architecture [Reviewed]</td>
</tr>
<tr>
<td>Review &amp; Approve Architecture</td>
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</tbody>
</table>

Link to “Review Preliminary Architecture” Element

Link to “Peer Review” Process
Generic Review Prozess

<table>
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<tbody>
<tr>
<td>Review Item</td>
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</tbody>
</table>
Specific Review Process

| Chief Engineer | System Architecture [Draft] | Prepare Peer Review | Conduct Peer Review | Distribute Peer Review Results | System Architecture [Reviewed] |

ARCHITECTURE PEER REVIEW
Consequence: Behavior Change of "+" Icon

- Link to Workflow Element (= no Drill Down)
- Drill-down to the Activities
Further Stages V7 Roadmap

Process Linking
News & Notifications
Process Diff
Process Refactoring
Process Feedback & Analytics
Process Excellence
Body of Knowledge
The Process Navigation System
Context
Process Context

Role

Organizational Function

Project or Program

Product Line / Customer
More sophisticated Process Context

Location

Time $\rightarrow$ Phase, Iteration, Sample

Past Behavior $\rightarrow$ Machine Learning (?)
Our Next Vision
My Process

Intelligent Guide

Context Aware Process

Process Instantiation++

My Process
For your Process Excellence