



ISO 26262 AND PTC INTEGRITY LIFECYCLE MANAGER

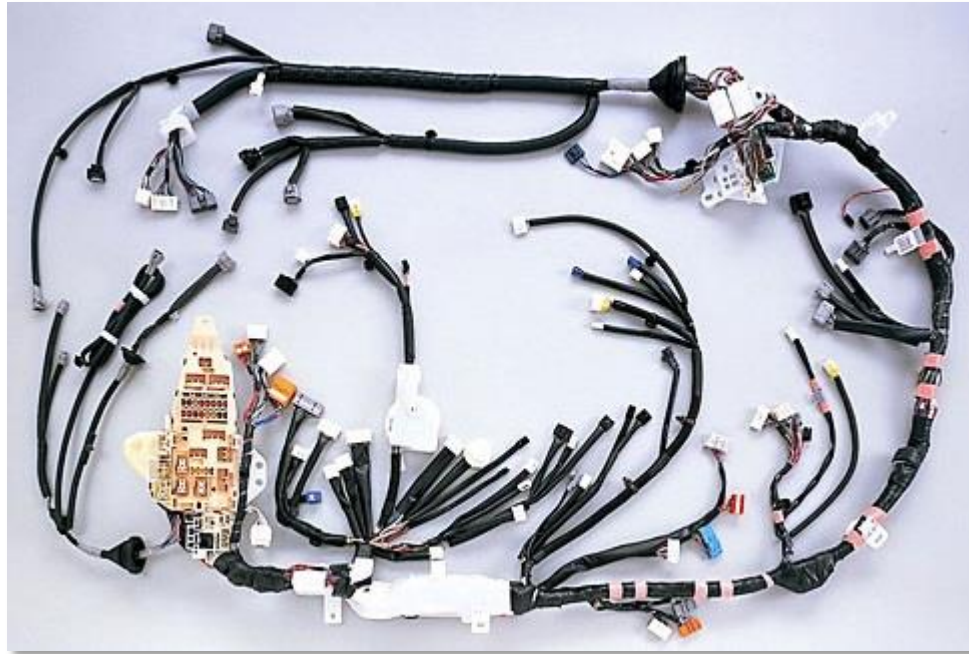
Laurent Lawton
Principal Engineer

June 9, 2016

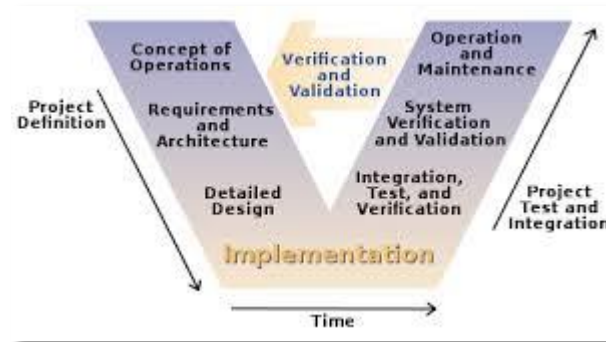
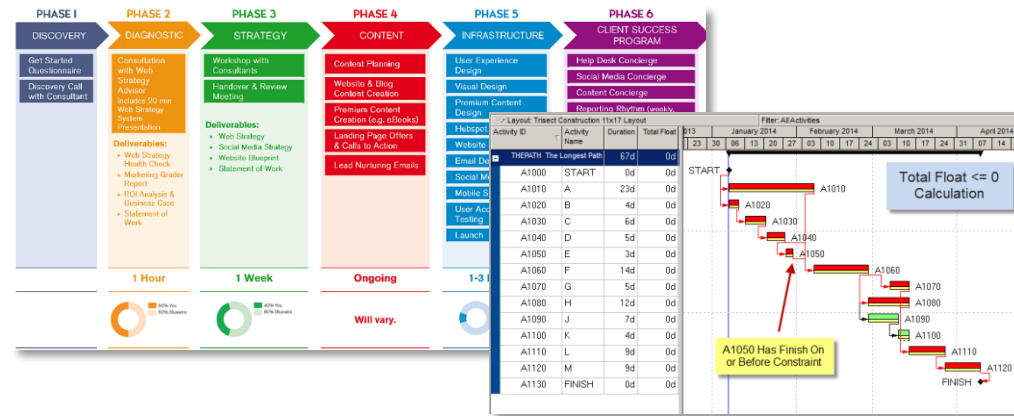
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YAZAKI OVERVIEW



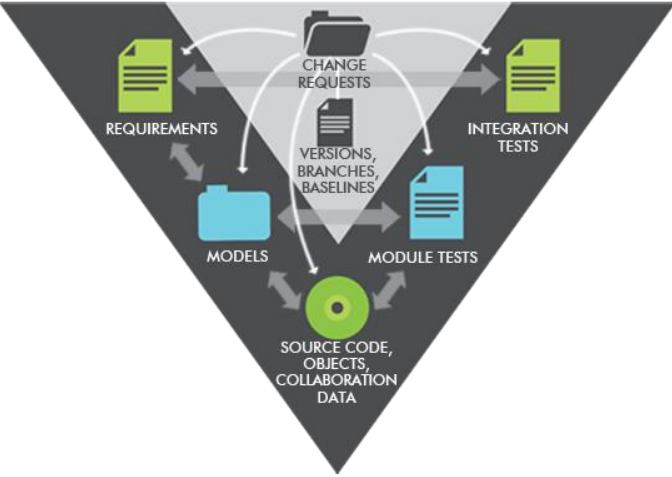
BACKGROUND



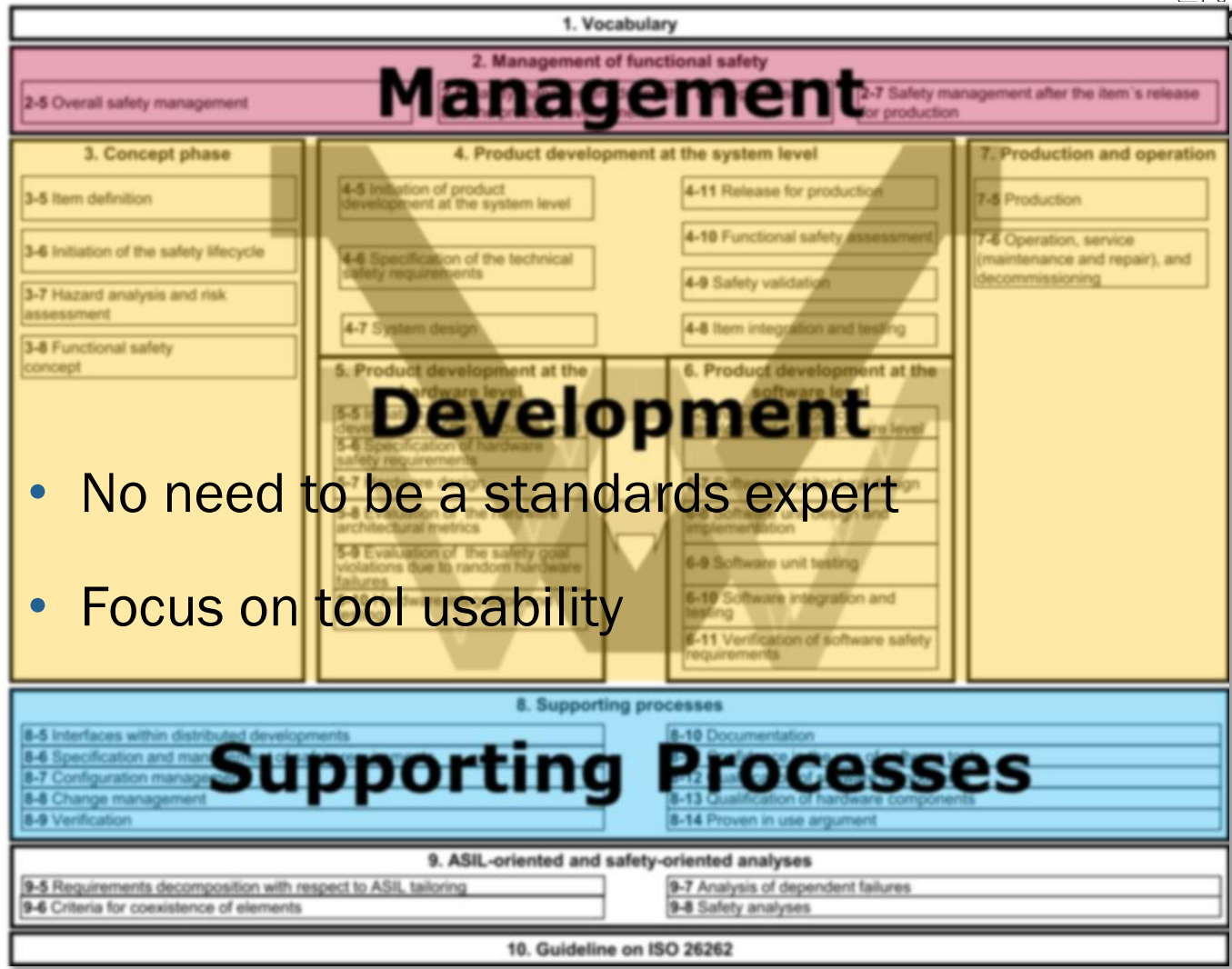
MANDATORY



ISO 26262...



IN PERSPECTIVE



- No need to be a standards expert
- Focus on tool usability

WHAT IF

- Engineers complied automatically
- Managers measured easily
- Audits went smoothly



THE JOURNEY

ENVIRONMENT & CULTURE



RESOURCES & APPROACH



#LIVEXORX

“WEB” VERSUS “CLIENT”

Project Status | Organization | Change Control | Workplans | Documents | (N/A) | Workflow | History

PTC Integrity Training 2014 PTC Integrity System [Dashboard:](#)

OEM [PTC](#) Product [Integrity](#) Car Line [Training](#) Model Year [2014](#) | BU [\(no BU\)](#) Account | ASIL

State Active SAPL [Laurent Lawton \(10011180\)](#) Project [/PTC Integrity Training 2014](#) Project Phase Internal

Outside Link https://www2.ynaconnection.com/sites/eibu_mechproj/PTC_MKS1/

Project Releases

ID	Discipline	Title	State	Assigned User
60317	Software	Software Release: 15-01 Demo	Impact Ass...	Software Lead (SW...

Open Issues List

Project Status | Organization | Change Control | Workplans | Documents | (N/A) | Workflow | History

PTC Integrity Training 2014 PTC Integrity System [Dashboard:](#)

OEM [PTC](#) Product [Integrity](#) Car Line [Training](#) Model Year [2014](#) | BU [\(no BU\)](#) Account | ASIL

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Project Releases

ID	Discipline	Title	State	Assigned User
60317	Software	Software Release: 15-01 Demo	Impact Assessment	Software Lead (SW01)

Open Issues List

ID	Topic	State	Title
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AUTOMATED WORKFLOWS

CCF Form | Summary | Tasks/Deliverables | (Legacy) | Workflow | History

Parent Title **LiveWorx presentation final version needs more screenshots**

Discipline SAPL State Impact Assessment Assigned User (SAPL) Laurent Lawton (10011180) Project **PTC Integrity**

Children CCF (2)	ID	Discipline	State	Assigned User	Last Notes
	62839	Software	Consideration	Software Manager (PM04)	
	62840	Validation	Impact Assessment	Validation Lead (VV01)	

Reason Configuring and supporting PTC Integrity for a product development organization that must meet specific standards such as... The presenter will share lessons learned and tips for achieving compliance with very few resources in a multi-national engineering disciplines. The topics covered will address process and organization as well as detailed technical solutions.

Description

Submission **Completed:** Apr 21, 2016 Laurent Lawton (10011180)

CCF Form | Summary | Tasks/Deliverables | (Legacy) | Workflow | History

Child Of: [62500](#) Title **LiveWorx presentation final version needs more screenshots**

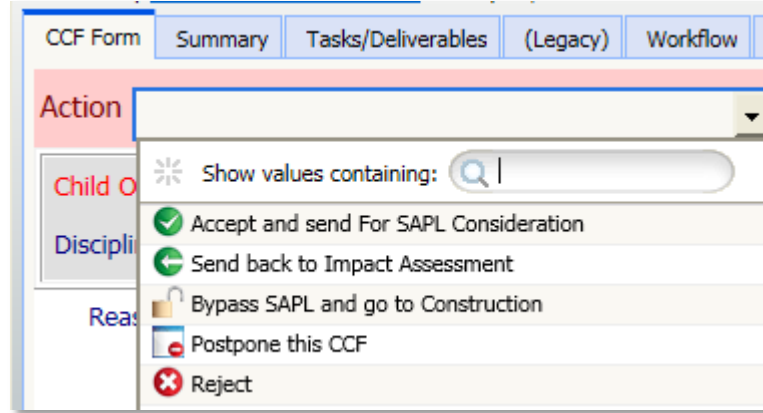
Discipline Software State Consideration Assigned User (Manager) Software Manager (PM04) Project **PTC Integrity**

Reason Configuring and supporting PTC Integrity for a product development organization that must meet specific standards such as... The presenter will share lessons learned and tips for achieving compliance with very few resources in a multi-national engineering disciplines.

More Details

Hours and Cost	Construction	Test Creation	Test Execution	Total Effort	Tooling Cost	(Rolled up to parent CCF)
Estimate	10 hrs	25 hrs	43 hrs	78 hrs		

“ACTION”



Integrity Notification

[Software CCF 62839](#) has been assigned to you for [Impact Assessment](#).

CCF Details

Discipline: **Software**

State: **Impact Assessment**



Title: LiveWorx presentation final version needs more screenshots (PTC Integrity Training 2014 - Software)

Project Link: [/PTC Integrity Training 2014](#)





Assigned User: **Software Lead (SW01)**

PROJECT

Project Status Organization Change Control Workplans Documents (N/A) Workflow History




 PTC Integrity Training 2014 PTC Integrity System [Dashboard:](#) 

OEM [PTC](#) Product [Integrity](#) Car Line [Training](#) Model Year [2014](#) | BU [\(no BU\)](#) Account | [ASIL](#)

State  Active SAPL  [Laurent Lawton \(10011180\)](#) Project  [/PTC Integrity Training 2014](#) Project Phase  Internal

Outside Link https://www2.ynaconnection.com/sites/eibu_mechproj/PTC_MKS1/

Project Releases

ID	Discipline	Title	State	Assigned User
60317	 Software	Software Release: 15-01 Demo	 Impact Assessment	 Software Lead (SW01)

Open Issues List

ID	Topic	State	Title
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ISSUES & REQUESTS

ID	Project	Discipline	Topic	State	Title
88369	/YNCA EI Integrity	Process	Issue	Resolution I...	CP: Window of "Create Change Package"
88298	/YNCA EI Integrity	Infrastructure	Issue	Investigation	Shared sandboxes no longer supported
88298	/YNCA EI Integrity	Process	Request	Investigation	TID Improvements

Issue/Request/Action: 88298
 Created by [Laurent Lawton \(10011180\)](#) on [May 2, 2016 1:01:59 PM](#)
 Modified by [Laurent Lawton \(10011180\)](#) on [May 2, 2016 1:03:01 PM](#)

Issue

Issue / Request / Action Workflow History

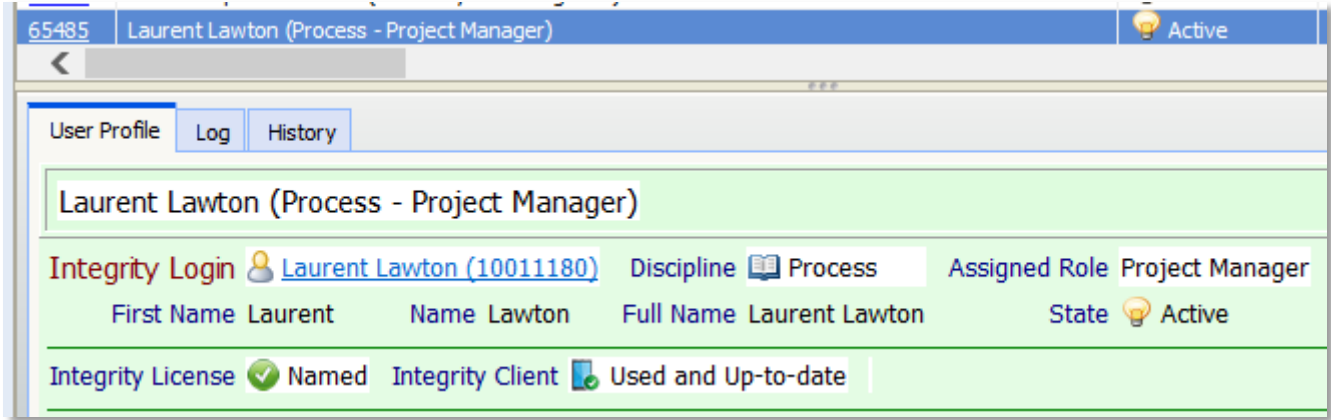
Infrastructure Issue: Shared sandboxes no longer supported in Integrity 10.9

Title Shared sandboxes no longer supported in Integrity 10.9

State Investigation Assigned User [Laurent Lawton \(10011180\)](#) Project [YNCA EI Integrity](#) /YNCA EI Integrity

Classification: Discipline Infrastructure Topic Issue Severity

USER PROFILE



65485 Laurent Lawton (Process - Project Manager) Active

User Profile Log History

Laurent Lawton (Process - Project Manager)

Integrity Login Laurent Lawton (10011180) Discipline Process Assigned Role Project Manager

First Name Laurent Name Lawton Full Name Laurent Lawton State Active

Integrity License Named Integrity Client Used and Up-to-date

ARTIFACTS

ID	Project	Discipline	Subtype	State	Artifact Name
61507	/PTC Integrity Training 2014	Process	Checklist	N/A	
61510	/PTC Integrity Training 2014	Software	Work Product	Development	Software Development Plan

Artifact (W.I.P.) | Instructions & References | Workflow | History

Software | Work Product | /EIBU/PTC Integrity/Software Development/PM/YAEI-SWE-S04-f006 Software D

Summary:

Definition

Linked Reference Article [42361 - Software: Engineering Schedule](#)

Reference Documents	Deliverable Templates	
Reference Documents	Published Template	Suggested File Name
YAEI-SWE-S4-w001 Software Project Planning.doc	YAEI-SWE-S4-f001 Software	Software Engineeri

OTHER TECHNIQUES

Article

Prerequisites

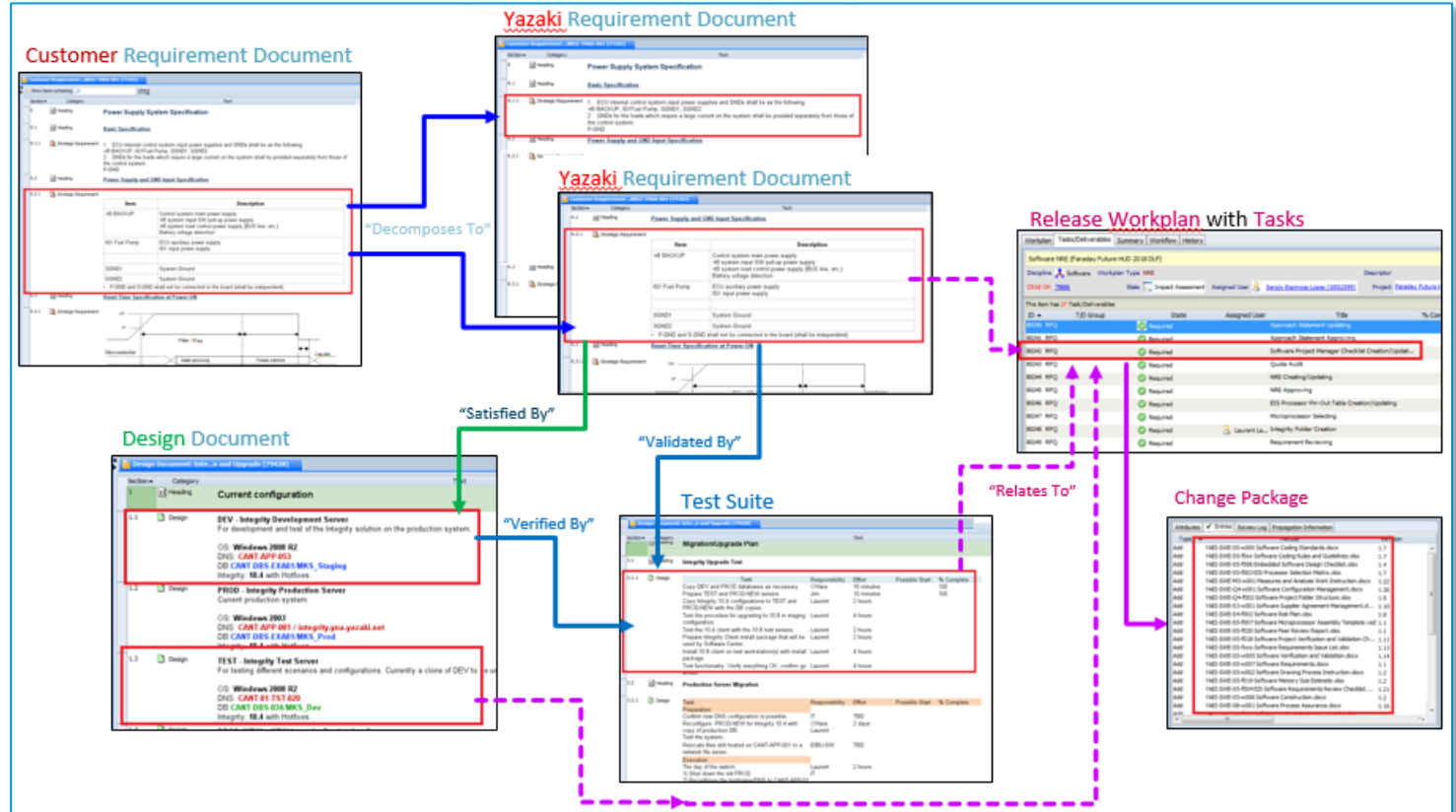
You may only enter Actual Effort for a Task/Deliverable when all three conditions below are satisfied:

- Effort metrics must be available for this type of Task/Deliverable**

The Task/Deliverable must have its **Metric Type** set to Construction, Test Creation, Test Execution, or All. This attribute is defined in the Task/Deliverable **Template** used for creation and may not be changed.

THEN AND NOW

THE JOURNEY CONTINUES



Q&A



#LIVEWORX

DO IT

- Engineers comply automatically
- Managers measure easily
- Audits go smoothly

The image features several colorful geometric shapes, including triangles and lines in shades of blue, green, yellow, orange, pink, and purple, scattered across the background. A large, multi-colored geometric shape is prominent on the right side.

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