

BEAMS - APQP Training

External Suppliers

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- § Approved Timing / Project Milestones / Updates

Section 1

Gaining Access to the Business Engineering Application Management System (BEAMS)

Gaining Access to BEAMS

§ Access Via Direct Link:

<https://beams.us.yazaki.com/BEAMSLogin/Login.aspx?ReturnUrl=%2fBeams%2fDefault.aspx>

- § Enter BEAMS credentials when prompted
- § Select “external” Domain
- § Click [Login]
- § To reset your password, see screenshot



BEAMS Login (Server 3)

User Name: 10032436

Password:

Domain: EXTERNAL ▼

Login

You may log in using either your Yazaki User ID or your email address in the "User Name" field.

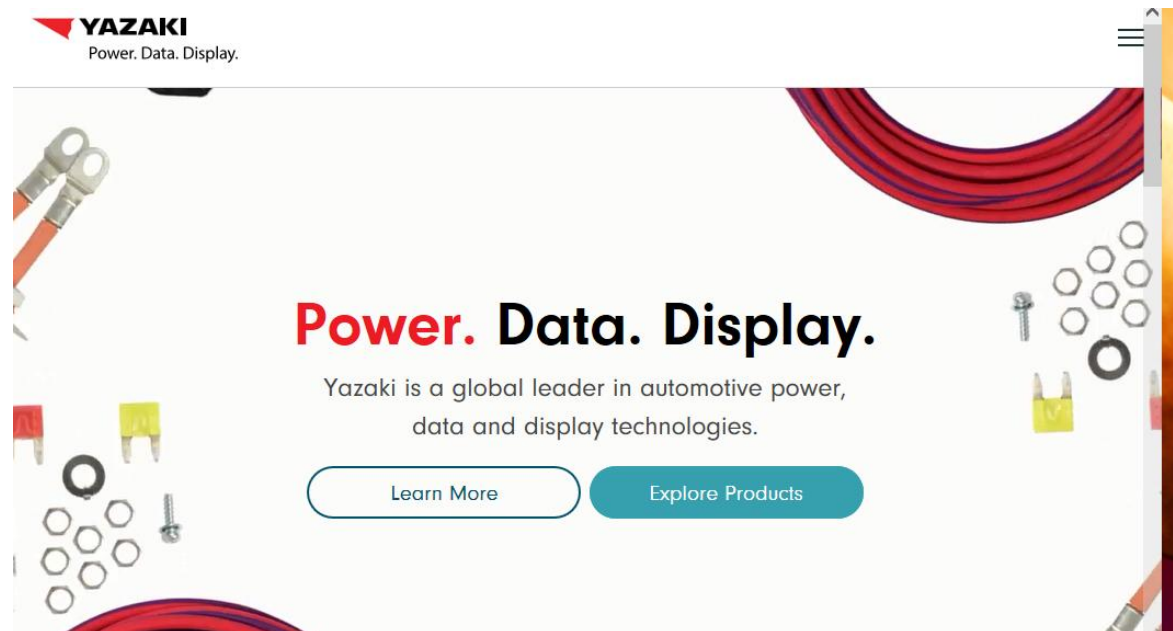
Click [here](#) if you forgot your Password, or call +1-734-983-1480 for assistance

Gaining Access to BEAMS

§ Access Via Yazaki North America homepage login

§ **Step 1:** Navigate to the Yazaki North America homepage

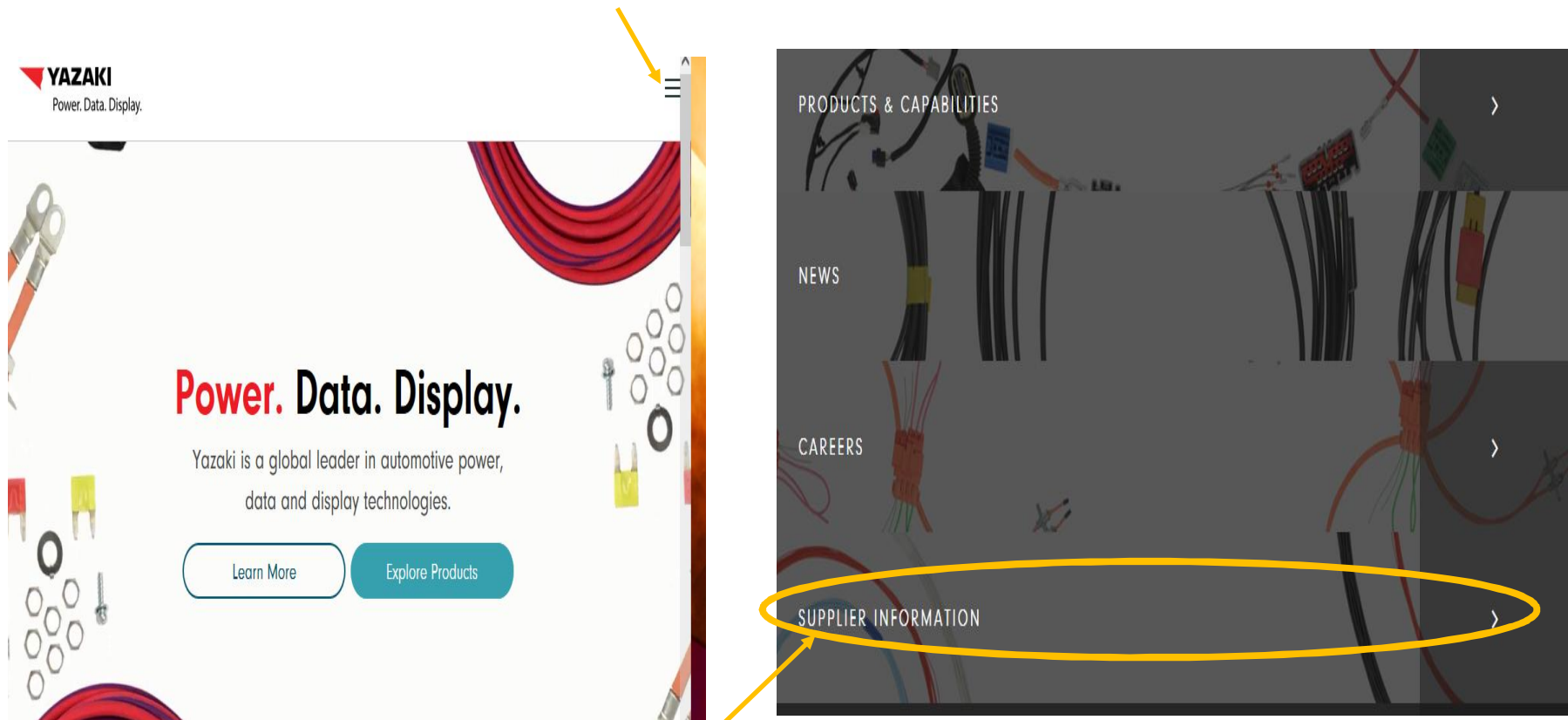
§ Quick link: <http://www.yazaki-na.com/>



Gaining Access to BEAMS

§ **Step 2:** From the menu bar, select the “Supplier Information” link

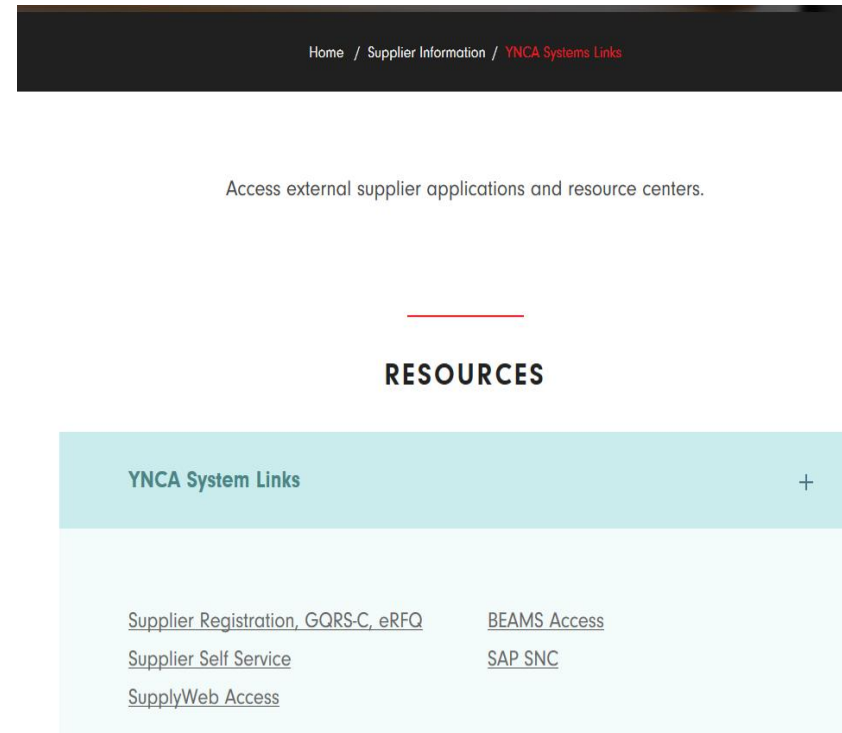
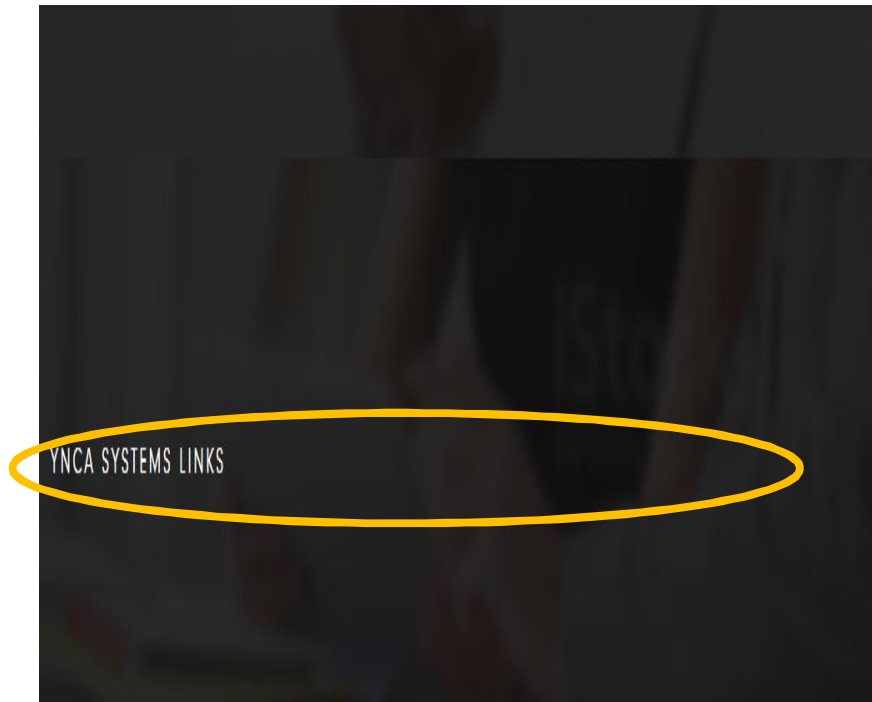
§ <http://www.yazaki-na.com/supplier-information/>



Gaining Access to BEAMS

§ **Step 3:** From the menu bar, select the “YNCA Systems Links”

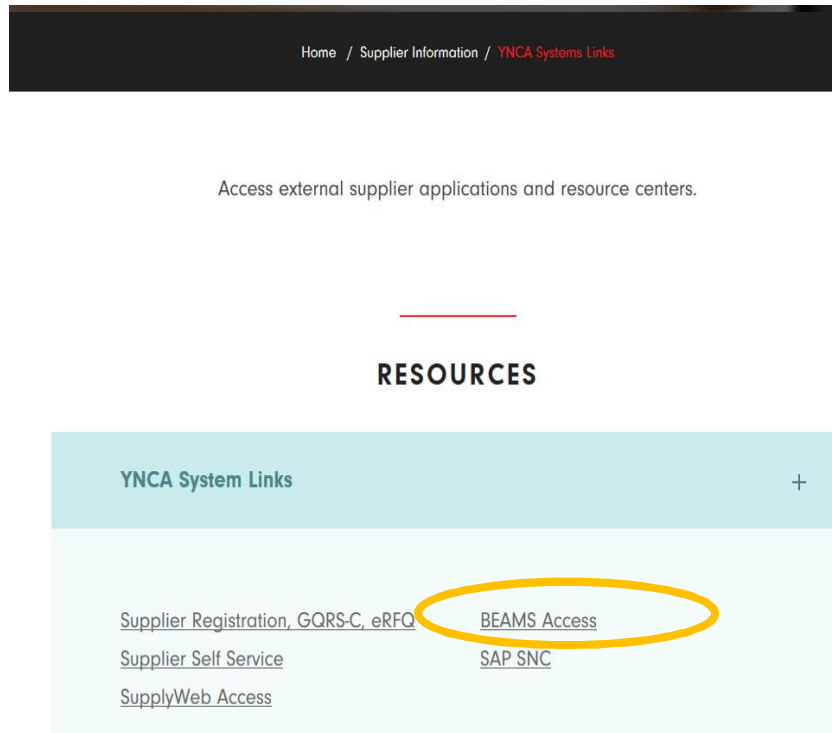
§ <http://www.yazaki-na.com/supplier-information/>



Gaining Access to BEAMS

§ Step 4: Select the “BEAMS Access”

§ <http://www.yazaki-na.com/supplier-information/>



Gaining Access to BEAMS

§ **Step 5:** Enter BEAMS credentials when prompted

- § Select "external" Domain
- § Click [Login]



B BEAMS Login (Server 3)

User Name: 10032436

Password:

Domain: EXTERNAL ▼

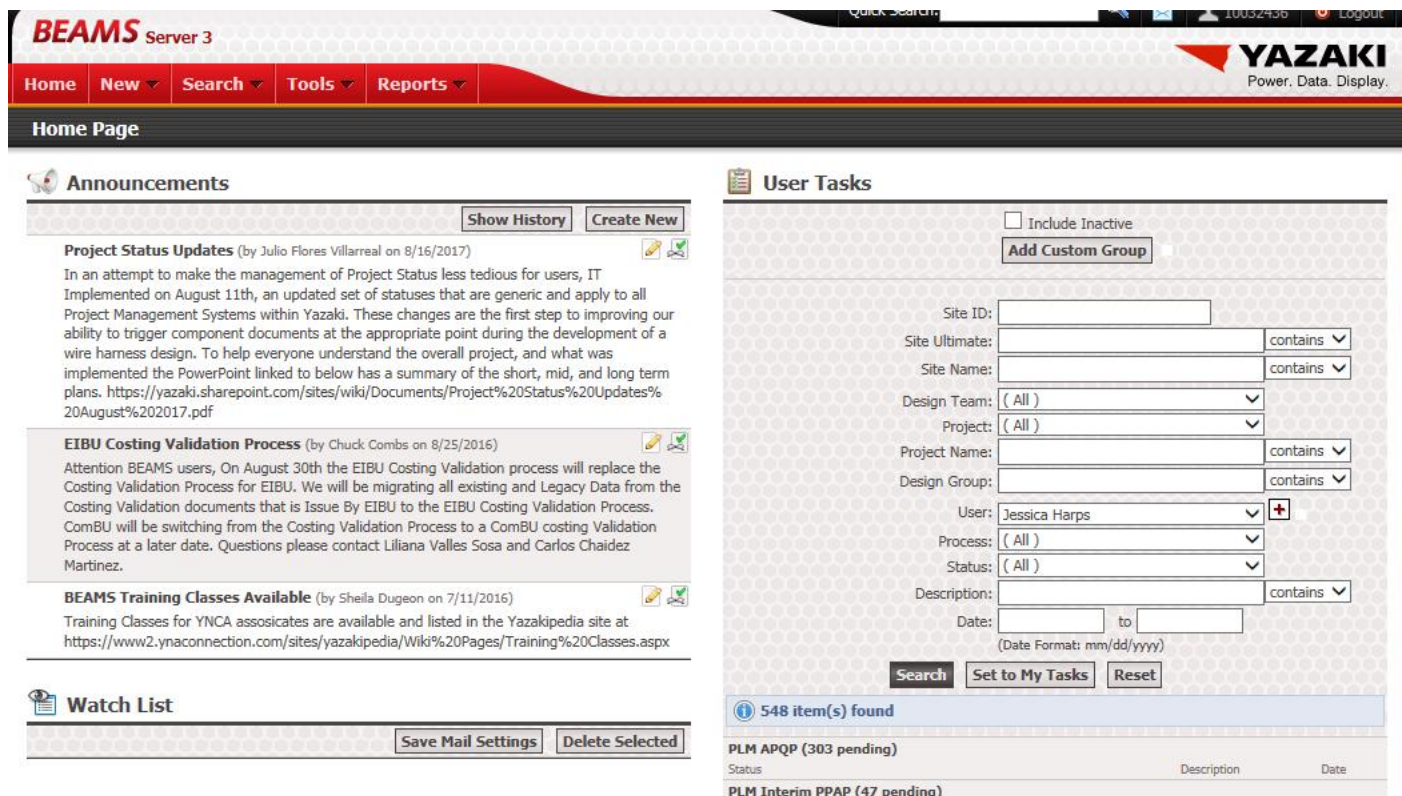
Login

You may log in using either your Yazaki User ID or your email address in the "User Name" field.

Click [here](#) if you forgot your Password, or call +1-734-983-1480 for assistance

Gaining Access to BEAMS

§ At this point, you will have access to the BEAMS system



BEAMS Server 3

Home New Search Tools Reports

Home Page

Announcements

Project Status Updates (by Julio Flores Villarreal on 8/16/2017)

In an attempt to make the management of Project Status less tedious for users, IT Implemented on August 11th, an updated set of statuses that are generic and apply to all Project Management Systems within Yazaki. These changes are the first step to improving our ability to trigger component documents at the appropriate point during the development of a wire harness design. To help everyone understand the overall project, and what was implemented the PowerPoint linked to below has a summary of the short, mid, and long term plans. <https://yazaki.sharepoint.com/sites/wiki/Documents/Project%20Status%20Updates%20August%202017.pdf>

EIBU Costing Validation Process (by Chuck Combs on 8/25/2016)

Attention BEAMS users, On August 30th the EIBU Costing Validation process will replace the Costing Validation Process for EIBU. We will be migrating all existing and Legacy Data from the Costing Validation documents that is Issue By EIBU to the EIBU Costing Validation Process. ComBU will be switching from the Costing Validation Process to a ComBU costing Validation Process at a later date. Questions please contact Lilliana Valles Sosa and Carlos Chaidéz Martinez.

BEAMS Training Classes Available (by Sheila Dugeon on 7/11/2016)

Training Classes for YNCA associates are available and listed in the Yazakipedia site at <https://www2.ynconnection.com/sites/yazakipedia/Wiki%20Pages/Training%20Classes.aspx>

Watch List

Save Mail Settings Delete Selected

User Tasks

☐ Include Inactive

Add Custom Group

Site ID:

Site Ultimate: contains

Site Name: contains

Design Team: (All)

Project: (All)

Project Name: contains

Design Group: contains

User: Jessica Harps

Process: (All)

Status: (All)

Description: contains

Date: to (Date Format: mm/dd/yyyy)

Search Set to My Tasks Reset

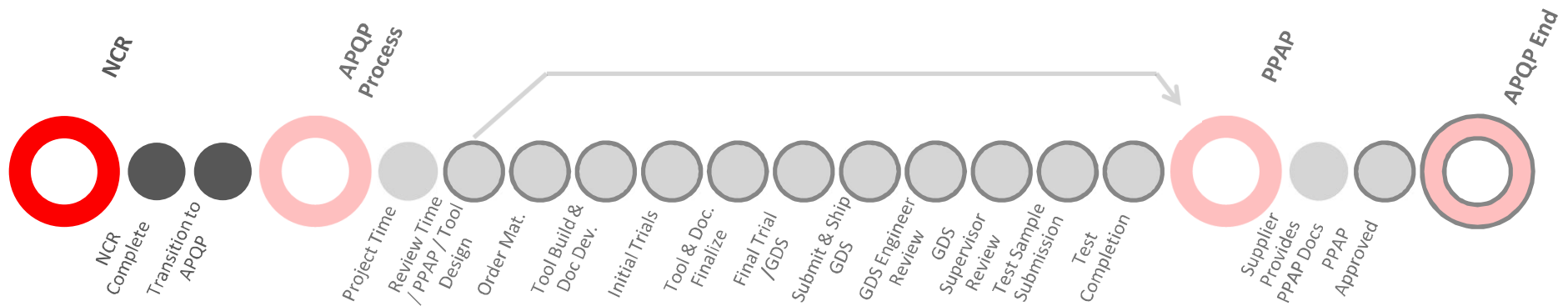
548 item(s) found

PLM APQP (303 pending)

Status Description Date

PLM Interim PPAP (47 pending)

Transition from NCR Process



New Component Request (NCR) Process

Yazaki engineers use this document to request a new part / component internally.

APQP PROCESS

The APQP process will be outlined. BEAMS operation and possible issues will be discussed from the standpoint of the supplier.

PPAP CREATION

The PPAP document is kicked off from the APQP process. This section will help to better describe the timing and relation to the PPAP document.

Section 2

What is APQP?

What is APQP?

§ Advanced Product Quality Planning (APQP)

- § A process and BEAMS document containing Tool Tracking, Good Dimensional Sample (GDS) package submission, sample submissions, and timing information
- § Acts as a replacement of the Tool Progress Report (TPR)
- § Integrated with other supplier process documents such as PPAP

APQP Detail

Gateways Data Feedback

Document ID: 1102499
Type: APQP
Owning Design Team: DMO
Owning Project: DMO-ALL
Document Name: APQP WOCO AMERICA 7173404230 - 4
Description:
Document Revision Level:
Creator: Jake Suhajda
Status: Test Samples Submitted
Assign Next Task to: Jessica Harps

Attributes for this Document

Type	Value	
Tool Number	0118070A	Delete
Asset Number		Delete
%-Completed	100	Delete
Material Required Date	3/28/2017	Delete
Tool Design Date	10/1/2017	Delete
Material Order Date	10/1/2017	Delete
Tool Build Dev/Engraving Date	10/9/2017	Delete
Initial Tool Trial Date	10/16/2017	Delete
Tool Finalization Date	10/16/2017	Delete
GDS Committed Date	10/23/2017	Delete
GDS Proposed Date		Delete
GDS Qty	4	Delete
Date approved		Delete
Rejection Reason		Delete
Test Sample Quantity	4	Delete

Component Manufacturing Site

Site Name	Date	
Yazaki Part Number	5/2/2017	Delete

Components

Yazaki Part Number	Date	
7173404230	5/2/2017	Delete

Project

Project	Date	
D2UG-2018	5/2/2017	Delete
D2UC-N-2018	5/2/2017	Delete
D2UH-2018	5/2/2017	Delete

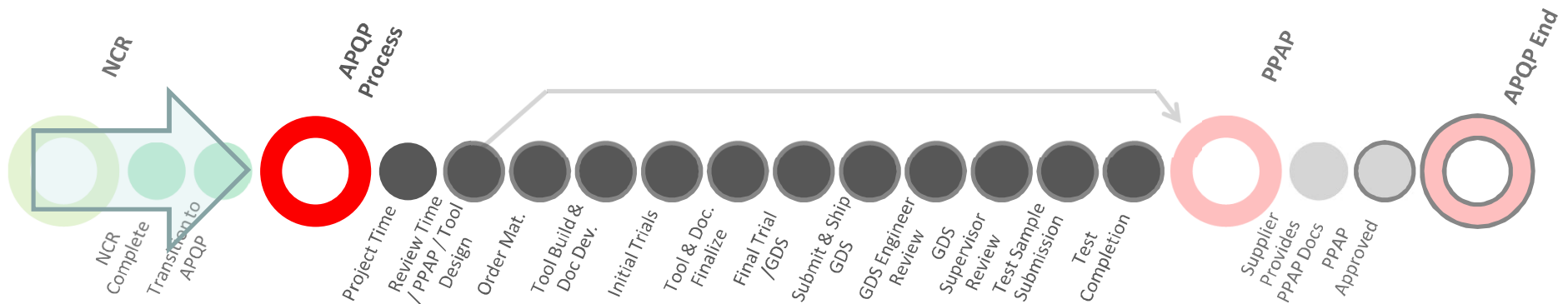
Related Document

Document Name (Type)	Date	
7173-3349-30-M (Manufacturing/Confidential Drawing) Released	5/2/2017	Delete
7173404230-PSW(CPL397062) (PSW Coversheet) Waiting for PPAP Completion (Supplier)	10/26/2017	Delete
NCR-Proc D2UC-N-2018 (200956) - 1 (New Component Request)	5/2/2017	Delete
NCR Complete		Delete

Supplier

Site Name	Date	
WOCO AMERICA	5/2/2017	Delete

Transition from NCR Process



New Component Request (NCR) Process

Yazaki engineers use this document to request a new part / component internally.

APQP PROCESS

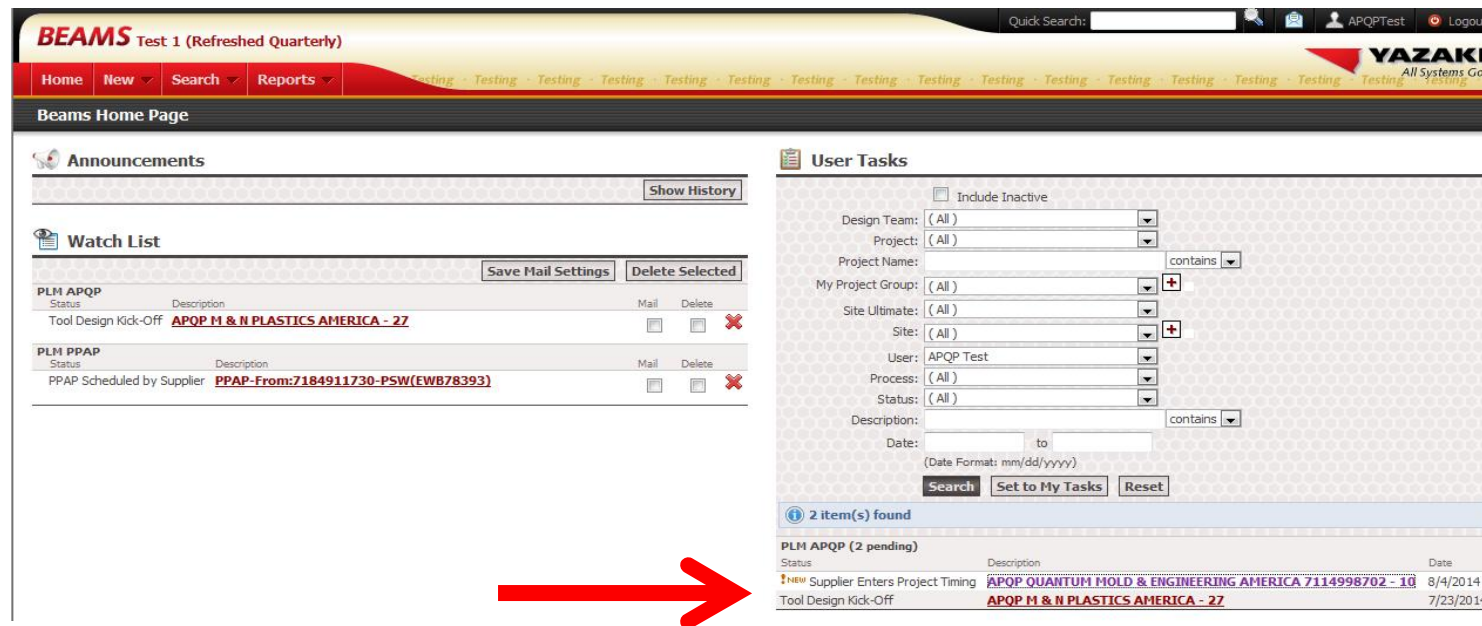
The APQP process will be outlined. BEAMS operation and possible issues will be discussed from the standpoint of the supplier.

PPAP CREATION

The PPAP document is kicked off from the APQP process. This section will help to better describe the timing and relation to the PPAP document.

§ APQP Document Generated

- § Advanced Product Quality Planning (APQP) document is created in BEAMS
- § One document is created for each component that Yazaki purchases
- § i.e. a trough base and cover will have separate APQP documents, however, a trough base with a collar would have only one



BEAMS Test 1 (Refreshed Quarterly)

Quick Search: APQPTest Logout

Home New Search Reports

Beams Home Page

Announcements Show History

Watch List Save Mail Settings Delete Selected

PLM APQP	Status	Description	Mail	Delete
Tool Design Kick-Off	APQP M & N PLASTICS AMERICA - 27		☐	☐
PLM PPAP	PPAP Scheduled by Supplier	PPAP-From:7184911730-PSW(EWB78393)	☐	☐

User Tasks Include Inactive

Design Team: (All)
 Project: (All)
 Project Name:
 My Project Group: (All)
 Site Ultimate: (All)
 Site: (All)
 User: APQP Test
 Process: (All)
 Status: (All)
 Description:
 Date: to
 (Date Format: mm/dd/yyyy)
 Search Set to My Tasks Reset

2 item(s) found

PLM APQP (2 pending)	Status	Description	Date
NEW Supplier Enters Project Timing	APQP QUANTUM MOLD & ENGINEERING AMERICA 7114998702 - 10	8/4/2014	
Tool Design Kick-Off	APQP M & N PLASTICS AMERICA - 27	7/23/2014	

§ APQP Document Generated

- § Upon kick-off of an APQP document, supplier will be notified of required action on the BEAMS homepage
- § An e-mail will be issued by BEAMS notifying of the kick-off



2 item(s) found		
PLM APQP (2 pending)		
Status	Description	Date
!NEW Supplier Enters Project Timing	<u>APQP QUANTUM MOLD & ENGINEERING AMERICA 7114998702 - 10</u>	8/4/2014
Tool Design Kick-Off	<u>APQP M & N PLASTICS AMERICA - 27</u>	7/23/2014

Section 3

Search / Open APQP Document

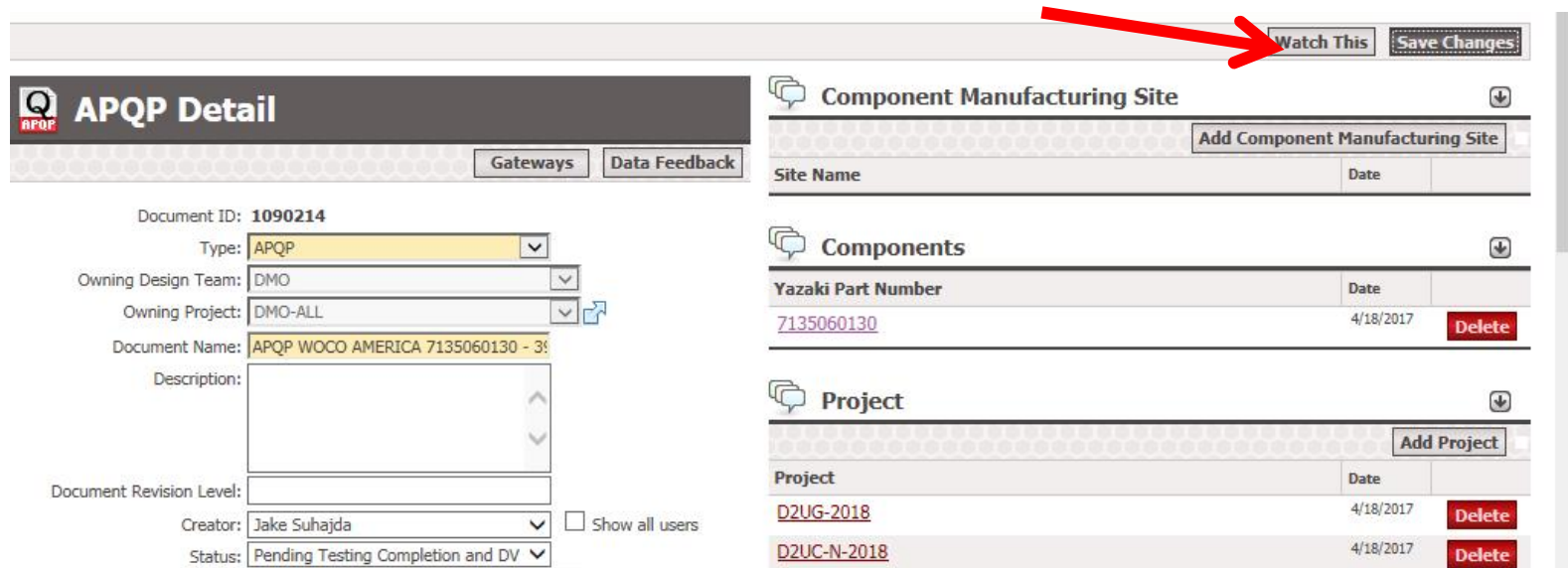
§ Open APQP Document

§ The APQP Document can be opened in a variety of ways:

- § Watch List Selection
- § User Tasks
- § Search Tool
- § E-Mail Inbox

§ Open APQP Document (via Watch List)

§ An open document must be added to your Watch List using the “Watch This” button located at the top right of any APQP document



The screenshot shows the 'APQP Detail' form. At the top right, there are two buttons: 'Watch This' and 'Save Changes'. A red arrow points to the 'Watch This' button. The form contains the following fields and sections:

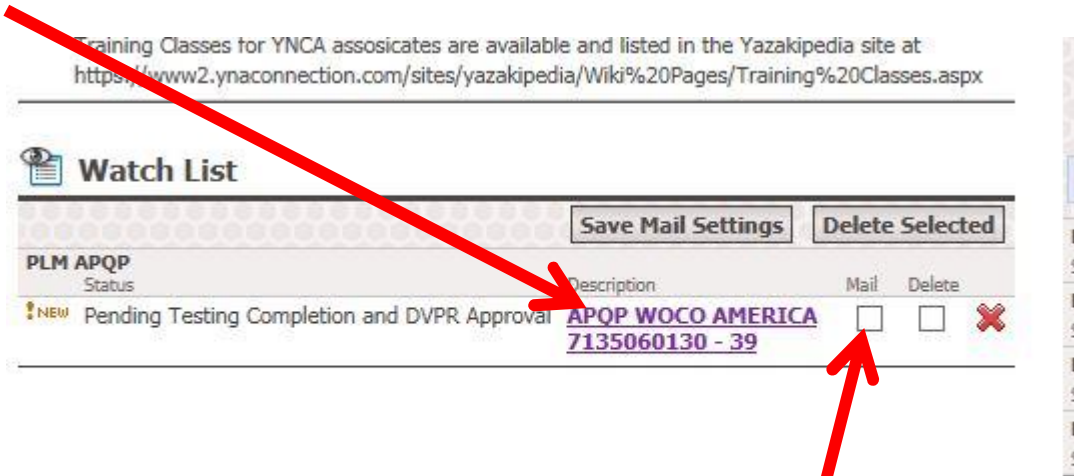
- Document ID:** 1090214
- Type:** APQP (dropdown menu)
- Owning Design Team:** DMO (dropdown menu)
- Owning Project:** DMO-ALL (dropdown menu)
- Document Name:** APQP WOCO AMERICA 7135060130 - 30
- Description:** (text area)
- Document Revision Level:** (text field)
- Creator:** Jake Suhajda (dropdown menu)
- Status:** Pending Testing Completion and DV (dropdown menu)
- Show all users:** (checkbox)
- Component Manufacturing Site:** (table with columns: Site Name, Date, Add Component Manufacturing Site)
- Components:** (table with columns: Yazaki Part Number, Date, Delete)

Yazaki Part Number	Date	
7135060130	4/18/2017	Delete
- Project:** (table with columns: Project, Date, Delete)

Project	Date	
D2UG-2018	4/18/2017	Delete
D2UC-N-2018	4/18/2017	Delete

§ Open APQP Document (via Watch List)

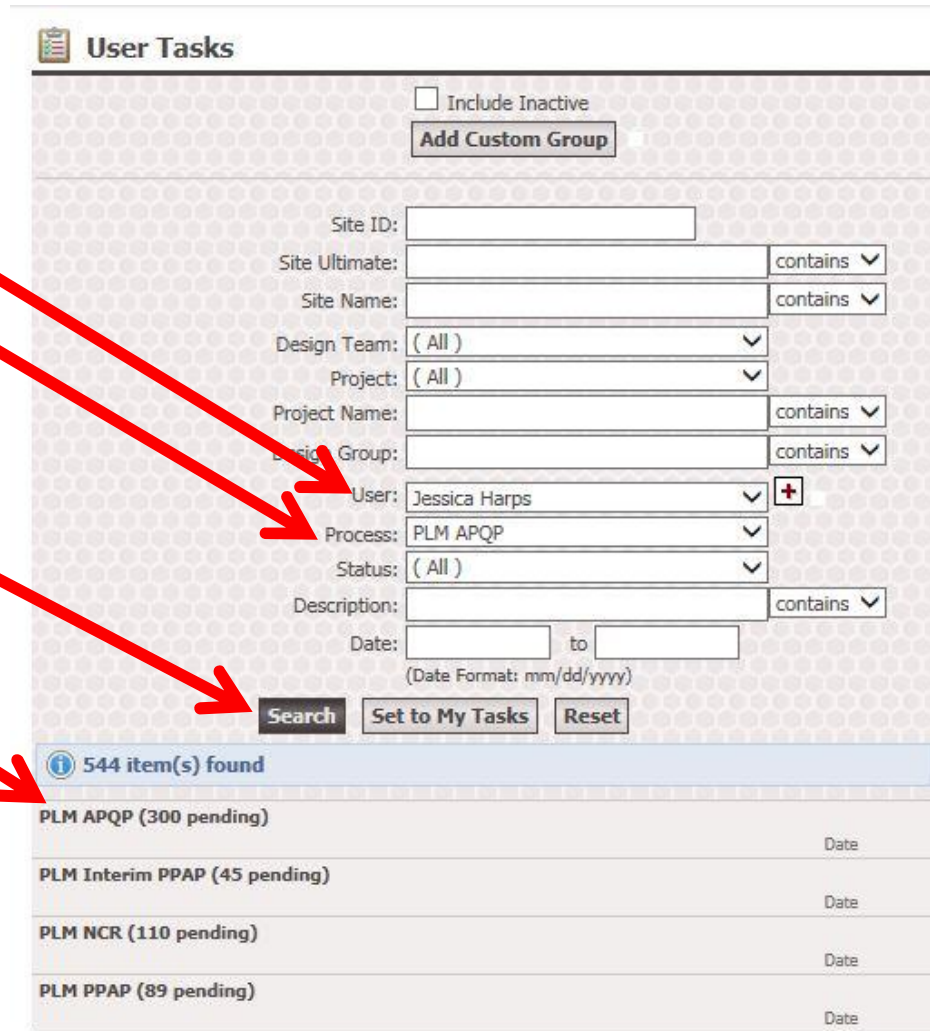
- § Open the desired APQP document from the BEAMS Home screen by clicking on the “Document Description” in RED



- § To add E-Mail update notifications to any Watch List document check the [Mail] box (BEAMS system will then contact you via E-Mail when any changes occur)

Open APQP Document (via User Tasks)

- § On the right side of your screen, select the following to view your “User Tasks”
- § Select your username from the dropdown list
- § Select the “PLM APQP” in the [Process:] dropdown
- § Click the search button
- § Your components with assigned tasks will display below the search area

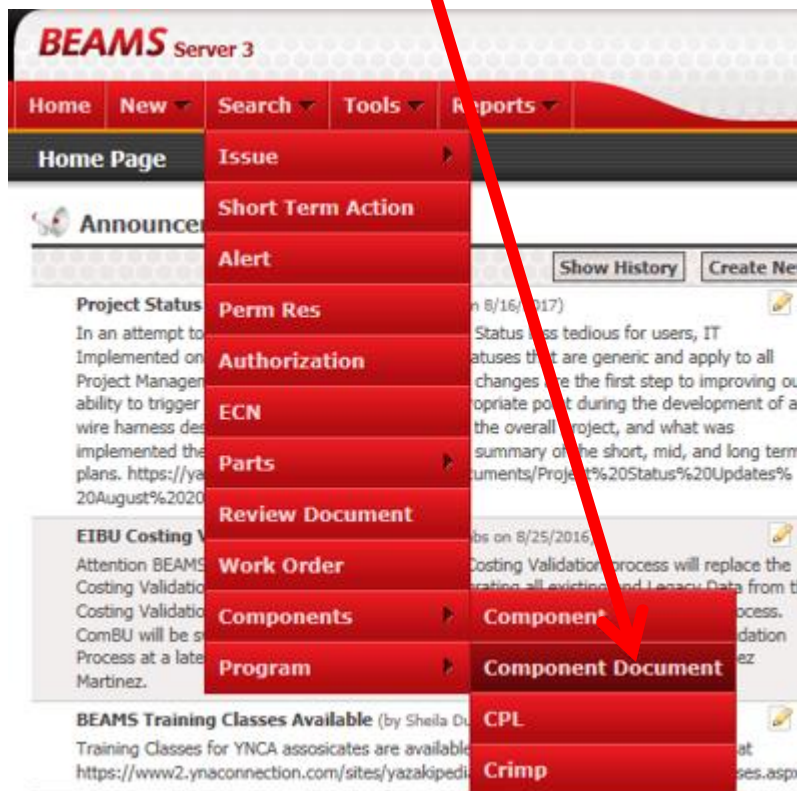


The screenshot shows the 'User Tasks' interface. At the top, there is a header 'User Tasks' with a clipboard icon. Below it, there is a section with a checkbox 'Include Inactive' and a button 'Add Custom Group'. The main area contains search filters: Site ID, Site Ultimate (contains), Site Name (contains), Design Team (All), Project (All), Project Name (contains), Basic Group (contains), User (Jessica Harps), Process (PLM APQP), Status (All), Description (contains), and Date (mm/dd/yyyy). There are buttons for 'Search', 'Set to My Tasks', and 'Reset'. Below the search area, a blue bar indicates '544 item(s) found'. The results are listed in a table with columns for task name and date.

Task Name	Date
PLM APQP (300 pending)	
PLM Interim PPAP (45 pending)	
PLM NCR (110 pending)	
PLM PPAP (89 pending)	

§ Open APQP Document (via Search Document)

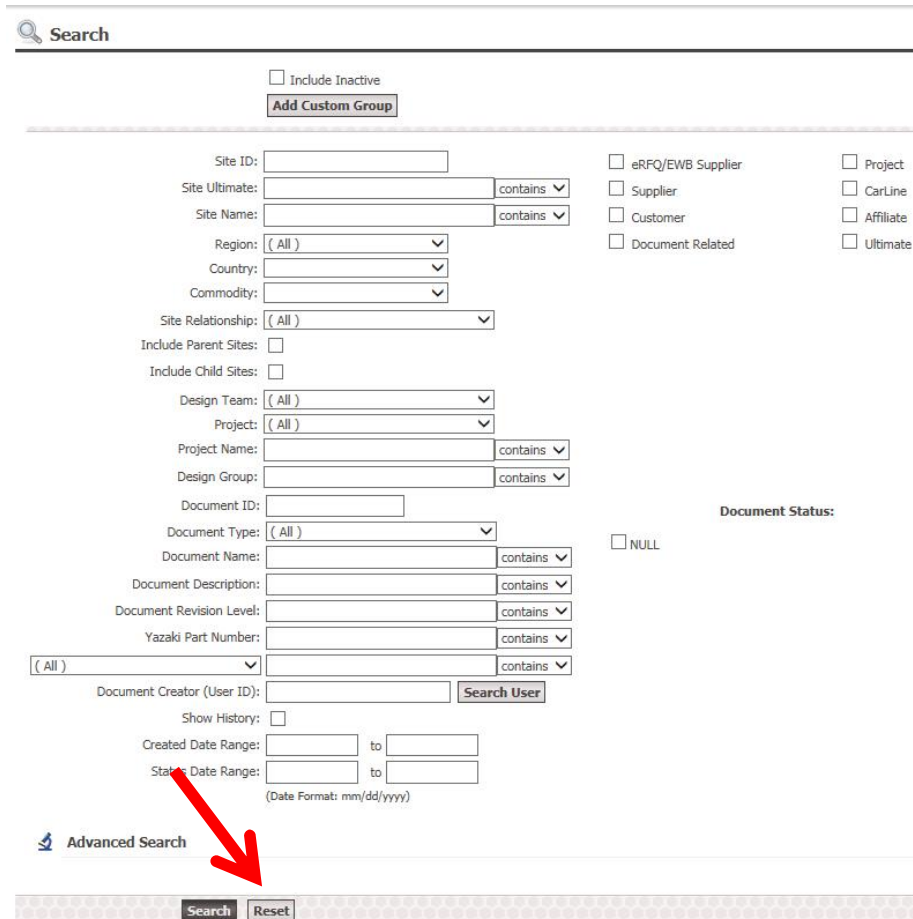
- § From the top ribbon bar, select [Search] -> [Components] -> [Component Document] button(s) to open the component search window



§ Open APQP Document (via Search Document)

§ On this screen, various attributes can be used to search for a document

§ First, click the [Reset] button at the bottom of the screen to clear out any prior search data



Search

☐ Include Inactive
Add Custom Group

Site ID:
 Site Ultimate: contains ▾
 Site Name: contains ▾
 Region: (All) ▾
 Country: ▾
 Commodity: ▾
 Site Relationship: (All) ▾
 Include Parent Sites: ☐
 Include Child Sites: ☐
 Design Team: (All) ▾
 Project: (All) ▾
 Project Name: contains ▾
 Design Group: contains ▾
 Document ID:
 Document Type: (All) ▾
 Document Name: contains ▾
 Document Description: contains ▾
 Document Revision Level: contains ▾
 Yazaki Part Number: contains ▾
 (All) ▾
 Document Creator (User ID): **Search User**
 Show History: ☐
 Created Date Range: to
 Status Date Range: to
 (Date Format: mm/dd/yyyy)

☐ eRFQ/EWB Supplier
☐ Supplier
☐ Customer
☐ Document Related

☐ Project
☐ CarLine
☐ Affiliate
☐ Ultimate

Document Status:
☐ NULL

Advanced Search

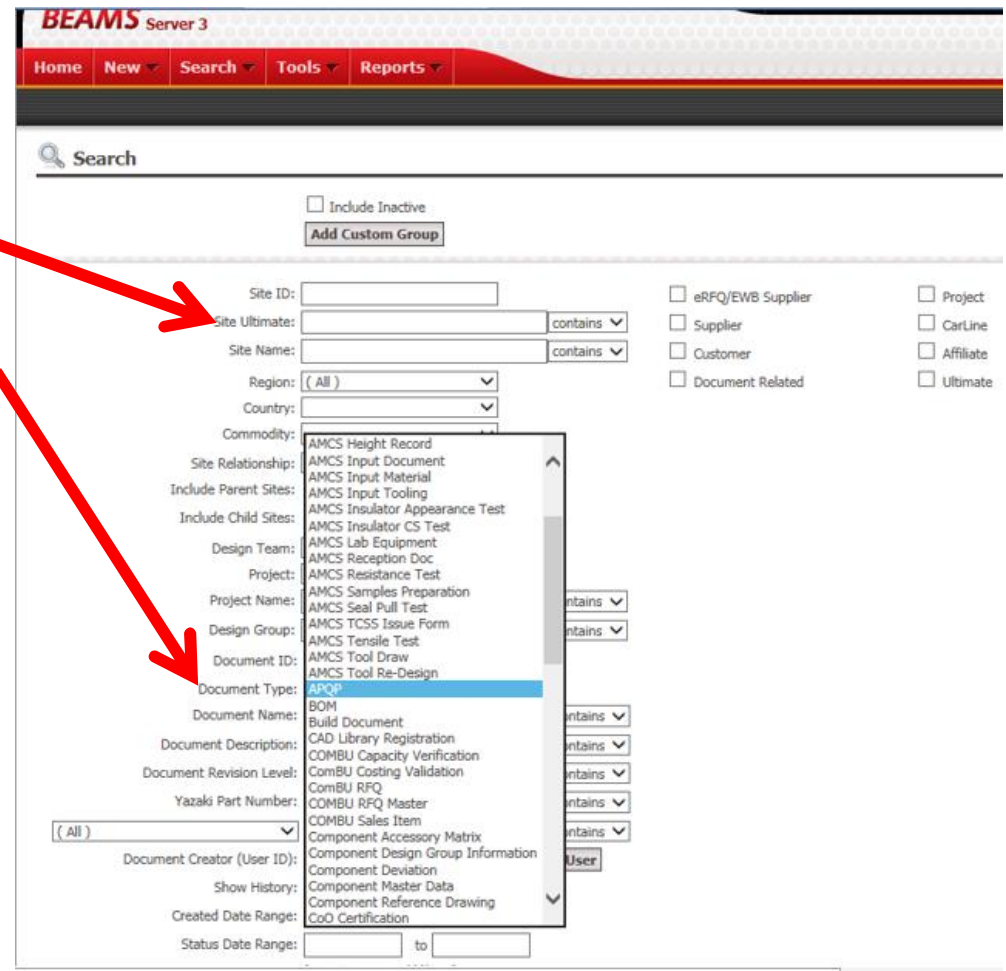
Search **Reset**

§ Open APQP Document (via Search Document)

§ In the “Site Ultimate:” field, select your company name from the dropdown menu

§ In the “Document Type:” field, select [APQP]

§ Enter your search criteria, and select the [Search] button at the bottom of the screen



The screenshot shows the BEAMS Server 3 Search interface. The top navigation bar includes Home, New, Search, Tools, and Reports. The Search section has a search icon and the text 'Search'. Below this, there are several search criteria fields and checkboxes. A red arrow points from the text 'In the “Site Ultimate:” field, select your company name from the dropdown menu' to the 'Site Ultimate' dropdown menu. Another red arrow points from the text 'In the “Document Type:” field, select [APQP]' to the 'Document Type' dropdown menu, which is currently open and showing a list of document types including APQP. The 'Search' button is located at the bottom right of the search criteria section.

BEAMS Server 3

Home New Search Tools Reports

Search

☐ Include Inactive
Add Custom Group

Site ID:

Site Ultimate: contains ▼

Site Name: contains ▼

Region: (All) ▼

Country:

Commodity:

Site Relationship:

Include Parent Sites:

Include Child Sites:

Design Team:

Project:

Project Name: contains ▼

Design Group: contains ▼

Document ID:

Document Type: APQP

Document Name: contains ▼

Document Description: contains ▼

Document Revision Level: contains ▼

Yazaki Part Number: contains ▼

(All) ▼

Document Creator (User ID):

Show History:

Created Date Range: to

Status Date Range: to

☐ eRFQ/EWB Supplier
☐ Supplier
☐ Customer
☐ Document Related

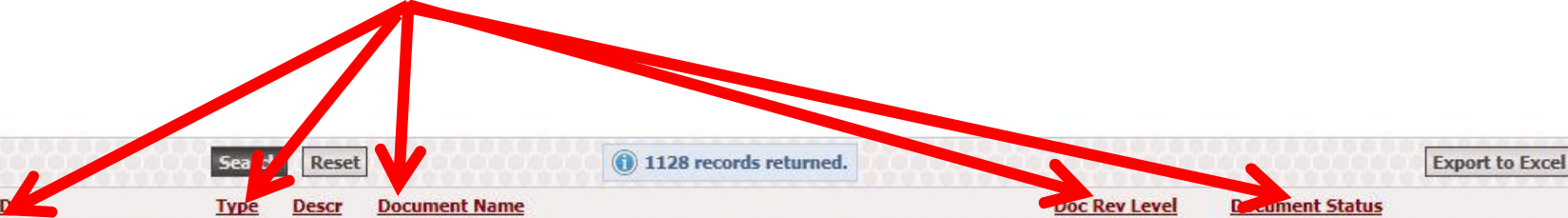
☐ Project
☐ CarLine
☐ Affiliate
☐ Ultimate

User

§ Open APQP Document (via Search Document)

§ Your search results will be displayed below the search fields

§ You can sort or filter for your desired document by clicking the titles in the top bar

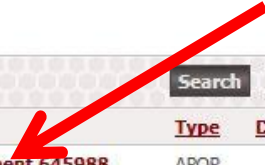


ID	Type	Descr	Document Name	Doc Rev Level	Document Status
Document 645988	APQP		APQP Auto-Kabel Hausen GmbH & Co Betriebs KG 18000003909 - 2		APQP End
Document 647837	APQP		APQP TRW AMERICAS X31484AF77 - 22		GDS Receipt
Document 648536	APQP		APQP SCHLEMMER AMERICA 71716090 - 11		Supplier Enters Project Timing Late
Document 649741	APQP		APQP TRW AMERICAS X31484AG03 - 24		Review Revised APQP Timing
Document 649749	APQP		APQP TRW AMERICAS X31484AF99 - 26		Review Revised APQP Timing
Document 649769	APQP		APQP TRW AMERICAS X41484AG05 - 28		Yazaki Approved Timing SVU NO
Document 649780	APQP		APQP TRW AMERICAS X41484AG02 - 30		Review Revised APQP Timing
Document 650139	APQP		APQP DELPHI AMERICAS X31486AB48 - 168		Supplier Enters Project Timing Late
Document 650141	APQP		APQP DELPHI AMERICAS X31486AA89 - 169		Supplier Enters Project Timing Late
Document 650142	APQP		APQP DELPHI AMERICAS X31486AA91 - 170		Supplier Enters Project Timing Late

1 2 3 4 5 6 7 8 9 10 ...

§ Open APQP Document (via Search Document)

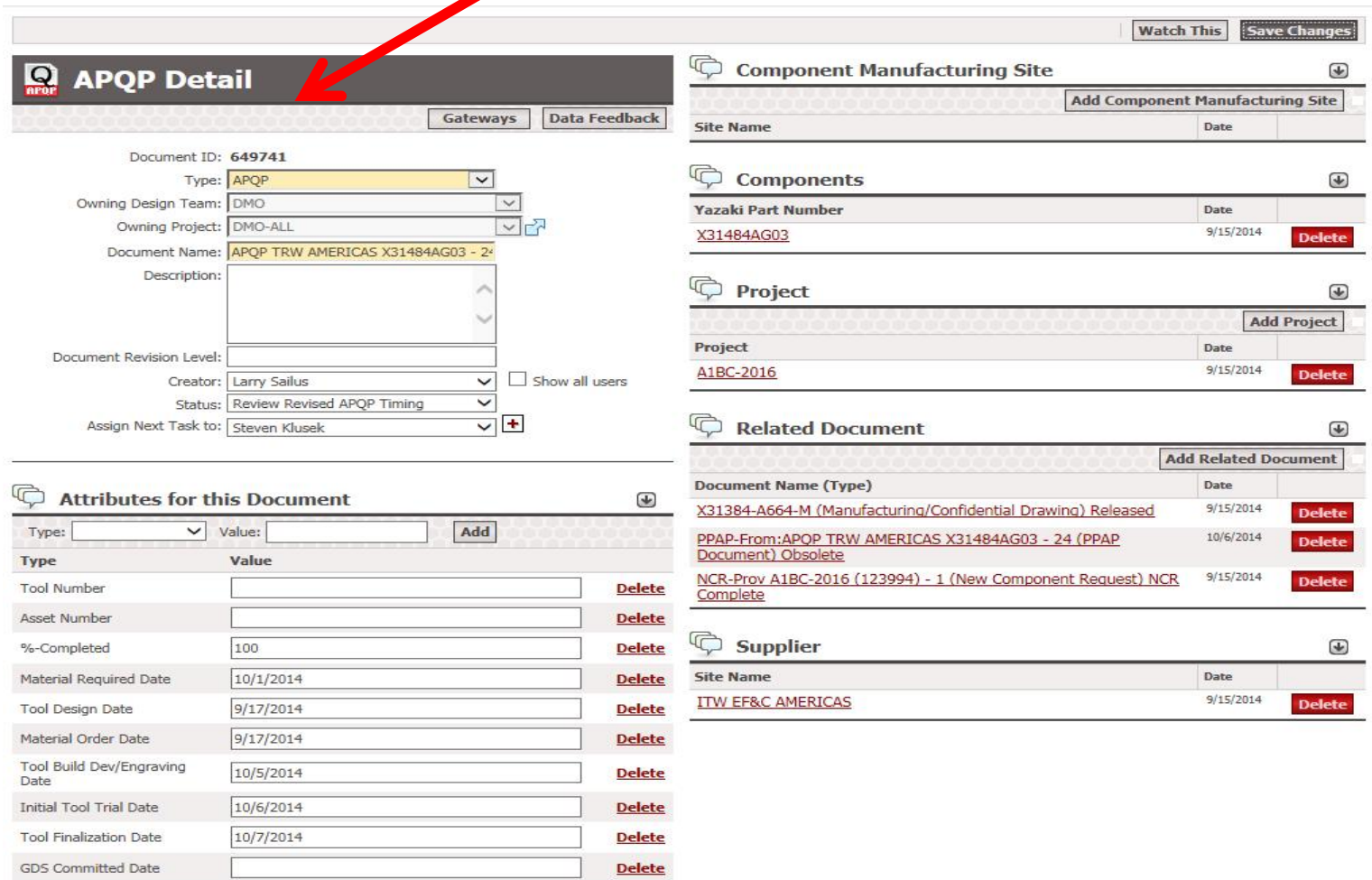
- § From the search results displayed, select your document by clicking the desired [Document ID] in **RED**



ID	Type	Descr	Document Name	Doc Rev Level	Document Status
Document 645988	APQP		APQP Auto-Kabel Hausen GmbH & Co Betriebs KG 18000003909 - 2		APQP End
Document 647837	APQP		APQP TRW AMERICAS X31484AF77 - 22		GDS Receipt
Document 648536	APQP		APQP SCHLEMMER AMERICA 71716090 - 11		Supplier Enters Project Timing Late
Document 649741	APQP		APQP TRW AMERICAS X31484AG03 - 24		Review Revised APQP Timing
Document 649749	APQP		APQP TRW AMERICAS X31484AF99 - 26		Review Revised APQP Timing
Document 649769	APQP		APQP TRW AMERICAS X41484AG05 - 28		Yazaki Approved Timing SVU NO
Document 649780	APQP		APQP TRW AMERICAS X41484AG02 - 30		Review Revised APQP Timing
Document 650139	APQP		APQP DELPHI AMERICAS X31486AB48 - 168		Supplier Enters Project Timing Late
Document 650141	APQP		APQP DELPHI AMERICAS X31486AA89 - 169		Supplier Enters Project Timing Late
Document 650142	APQP		APQP DELPHI AMERICAS X31486AA91 - 170		Supplier Enters Project Timing Late

1 2 3 4 5 6 7 8 9 10 ...

- § Open APQP Document (via Search Document)
- § Once complete, you will be taken to the APQP document



APQP Detail Gateways Data Feedback

Document ID: **649741**

Type: **APQP**

Owning Design Team: **DMO**

Owning Project: **DMO-ALL**

Document Name: **APQP TRW AMERICAS X31484AG03 - 24**

Description:

Document Revision Level:

Creator: **Larry Sailus** ☐ Show all users

Status: **Review Revised APQP Timing**

Assign Next Task to: **Steven Klusek**

Attributes for this Document

Type	Value	
Tool Number		Delete
Asset Number		Delete
%-Completed	100	Delete
Material Required Date	10/1/2014	Delete
Tool Design Date	9/17/2014	Delete
Material Order Date	9/17/2014	Delete
Tool Build Dev/Engraving Date	10/5/2014	Delete
Initial Tool Trial Date	10/6/2014	Delete
Tool Finalization Date	10/7/2014	Delete
GDS Committed Date		Delete

Component Manufacturing Site

Site Name: **ITW EF&C AMERICAS** Date: 9/15/2014 Delete

Components

Yazaki Part Number: **X31484AG03** Date: 9/15/2014 Delete

Project

Project: **A1BC-2016** Date: 9/15/2014 Delete

Related Document

Document Name (Type)	Date	
X31384-A664-M (Manufacturing/Confidential Drawing) Released	9/15/2014	Delete
PPAP-From:APQP TRW AMERICAS X31484AG03 - 24 (PPAP Document) Obsolete	10/6/2014	Delete
NCR-Prod A1BC-2016 (123994) - 1 (New Component Request) NCR Complete	9/15/2014	Delete

Supplier

Site Name: **ITW EF&C AMERICAS** Date: 9/15/2014 Delete

Section 4

APQP Document Layout

APQP DOCUMENT LAYOUT



APQP Document Information

Document ID: 649741

Type: APQP

Owning Design Team: DMO

Owning Project: DMO-ALL

Document Name: APQP TRW AMERICAS X31484AG03 - 24

Description:

Document Revision Level:

Creator: Larry Sailus

Status: Review Revised APQP Timing

Assign Next Task to: Steven Klusek

Document Status

Document Status Changes / Advance Document

Show / Hide Module(s)

Attributes for this Document

Type	Value	Delete
Tool Number		Delete
Asset Number		Delete
%-Completed	100	Delete
Material Required Date	10/1/2014	Delete
Tool Design Date	9/17/2014	Delete
Material Order Date	9/17/2014	Delete
Tool Build Date/Engraving Date	10/5/2014	Delete
Initial Tool Trial Date	10/6/2014	Delete
Tool Finalization Date	10/7/2014	Delete
GDS Committed Date		Delete

Supplier Input Fields

Component Manufacturing Site

Add Component Manufacturing Site

Site Name

Date

Components

Yazaki Part Number

X31484AG03

9/15/2014

Delete

Project

Add Project

Project

A1BC-2016

9/15/2014

Delete

Related Document

Add Related Document

Document Name (Type)

X31384-A664-M (Manufacturing Confidential) Released

9/15/2014

Delete

PPAP-From: APQP TRW AMERICAS X31484AG03 - 24 (PPAP Document) Obsolete

10/6/2014

Delete

NCR-Prov A1BC-2016 (123994) - 1 (New Component Request) NCR Complete

9/15/2014

Delete

Supplier

Site Name

ITW EF&C AMERICAS

9/15/2014

Delete

Supplier

Part Number

Project

Other Connected/ Related Documents

“SAVE CHANGES” Button

Watch This

Save Changes

Add Document to “Watch List” Button

APQP DOCUMENT LAYOUT



Revision History



Revision History

Add Revision				
Document ID	Level	Created Date	Current	Phase
Document 1090214		4/18/2017 2:57:54 PM	Y	In Process

Document Status Information

Comments and Status

Comments

No.	Date	Status	Responsible	Comments
42543383	4/18/2017	APQP Doc Generated	Jessica Harps	Status update
42543384	4/18/2017	Supplier Enters Project Timing	Jessica Harps	Status update
42544160	4/18/2017	Supplier Enters Project Timing	Jessica Harps	Document Assignee was added;
42604086	4/21/2017	Supplier Enters Project Timing Late	System BEAMS	Status update
42924173	5/3/2017	Supplier Enters Project Timing	Tracy Gerus	Status update
42995539	5/5/2017	Supplier Enters Project Timing	Tracy Gerus	Document Assignee was Tracy Gerus;
42997004	5/5/2017	Supplier Enters Project Timing	Jessica Harps	Document Assignee was added;
42997005	5/5/2017	Yazaki Approves Timing	Jessica Harps	Status update
42997016	5/5/2017	Yazaki Approved Timing	Jessica Harps	Status update
42997026	5/5/2017	Tool Design Kick-Off	Jessica Harps	Status update

Status Flow

Status	Responsible	Task	Last Date to Status	Sent By
APQP Doc Generated	(None)		4/18/2017	Jessica Harps
Supplier Enters Project Timing	APQP Supplier		5/3/2017	Tracy Gerus
Yazaki Approves Timing	APQP SQE		5/5/2017	Jessica Harps
Yazaki Approved Timing	APQP Supplier		5/5/2017	Jessica Harps
Yazaki Approved Timing SVU NO	(None)			
Tool Design Kick-Off	APQP Supplier		5/5/2017	Jessica Harps
Tool Design Update Due	APQP Supplier			
Tool Design Update LATE	APQP SQE			
	APQP			Jessica

Comments & Misc. Info



Attachments



Attachments - 4 Current, 4 Deleted

Extract

Add Attachments

Refresh

Drag a column header here to group by that column

Extract	Att ID	Title	Revision	Type	Date Imported	Date Created	User		Action
☐									
☐	3282788	Material cert		Misc	5/5/2017		Tracy Gerus		
☐	3301359	Deviations		Misc	5/16/2017		Tracy Gerus		
☐	3319279	Dimensional layout w/balloon drwg		Misc	5/25/2017		Tracy Gerus		
☐	3324451	7135-0601-30_CDR17081_APPROVED.pdf		Misc	5/30/2017		Steven Batchelor		

Page 1 of 1 (4 items)

1

Page size: 10

Item of

Cancel

☐ Save As New

Save Changes

WHERE IS PRE-FILLED APQP INFO FROM?



- § The APQP document pulls from, and links to, other BEAMS documents created throughout the components life cycle
- § This “data pull” occupies several fields on the APQP document
- § “Related Documents” are linked documents however are for Yazaki internal use
 - § Suppliers will have access to PPAP document only

The screenshot shows the 'APQP Detail' form with several sections. Red arrows point from the text on the left to the following fields:

- Document ID:** 649741
- Type:** APQP
- Creating Project:** DMO-ALL
- Document Name:** APQP TRW AMERICAS X31484AG03 - 24
- Document Revision Level:** 1
- Creator:** Lark Callus
- Status:** Review / Revised APQP Timing
- Design Next Task to:** Steven Klusen
- Attributes for this Document:**
 - Tool Number:** [Empty]
 - Asset Number:** [Empty]
 - %-Completed:** 100
 - Material Required Date:** 10/1/2014
 - Tool Design Date:** 9/17/2014
 - Material Order Date:** 9/17/2014
 - Tool Build Dev/Engraving Date:** 10/5/2014
 - Initial Tool Trial Date:** 10/6/2014
 - Tool Finalization Date:** 10/7/2014
 - GDS Committed Date:** [Empty]
- Component Manufacturing Site:** [Empty]
- Components:**
 - Yazaki Part Number:** X31484AG03
- Project:**
 - Project:** A1BC-2016
- Related Document:**
 - Document Name (Type):** X31384-A664-M (Manufacturing/Confidential Drawing) Released
 - Document Name (Type):** PPAP-From: APQP TRW AMERICAS X31484AG03 - 24 (PPAP Document) Obsolete
 - Document Name (Type):** NCR-Prod A1BC-2016 (123994) - 1 (New Component Request) NCR Complete
- Supplier:**
 - Site Name:** ITW EF&C AMERICAS

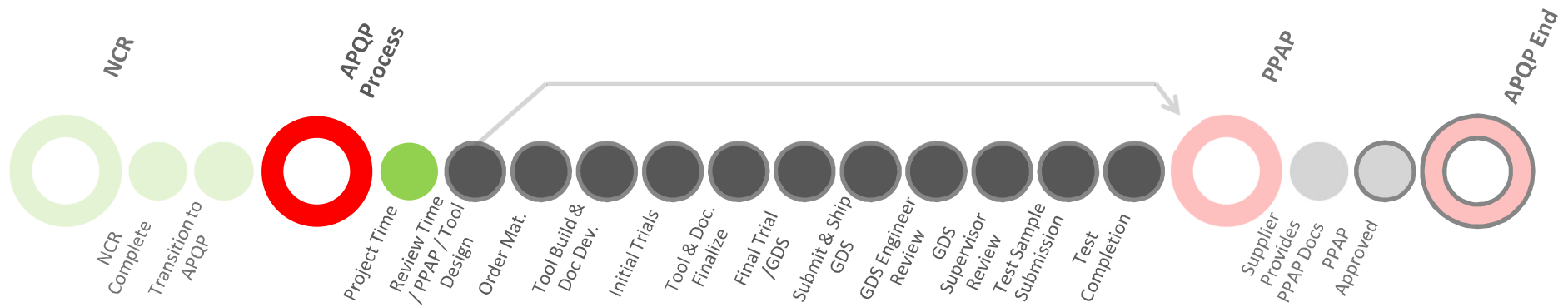
-
- § **Document ID** - This field is automatically generated. It follows a consecutive number for all Document ID's. This number can be used to search for the document using the search feature
 - § **Document Name** - The document name is as follows:
 - § APQP: APQP - <supplier> <Yazaki P/N> - <incremental number>
 - § **Status** - This is the step of APQP taking place
 - § **Creator** - User that created the APQP Document (User that transitions the NCR from "Issued Tool PO" to "Complete" on Yazaki's End)

Section 5.1

APQP Process Steps

Timing Entry / Status Intro / Task Assign

APQP PROCESS STEPS



New Component Request (NCR) Process
Yazaki engineers use this document to request a new part / component internally.

APQP PROCESS
The APQP process will be outlined. BEAMS operation and possible issues will be discussed from the standpoint of the supplier.

PPAP CREATION
The PPAP document is kicked off from the APQP process. This section will help to better describe the timing and relation to the PPAP document.

APQP PROCESS STEPS



Supplier Enters Project Timing

Upon completion, press the
“Save Changes” button

Once open, supplier can
enter project timing in the
following format:
mm/dd/yyyy

The screenshot displays the 'APQP Detail' web form. At the top right, there are 'Watch This' and 'Save Changes' buttons. The form is divided into several sections:

- APQP Detail:** Contains fields for Document ID (1310430), Type (APQP), Owning Design Team (DMO), Owning Project (DMO-ALL), Document Name (APQPHELLERMANN AMERICA 71525510), Description, Document Revision Level, Creator (Jose Contreras Contreras), Status (Supplier Enters Project Timing), and Assign Next Task to.
- Attributes for this Document:** A table with columns 'Type' and 'Value'. It lists various dates and completion percentages, with a red arrow pointing to the 'Material Required Date' field.
- Component Manufacturing Site:** Includes a table for Site Name and Date.
- Components:** Includes a table for Yazaki Part Number and Date.
- Project:** Includes a table for Project and Date.
- Related Document:** Includes a table for Document Name (Type) and Date.
- Supplier:** Includes a table for Site Name and Date.

Type	Value	Action
Tool Number	M1058	Delete
Assessment Number		Delete
%-Completed	100	Delete
Material Required Date	12/5/2017	Delete
Tool Design Date	5/1/2018	Delete
Material Order Date	5/3/2018	Delete
Tool Build Dev/Engraving Date	5/7/2018	Delete
Initial Tool Trial Date	6/4/2018	Delete
Tool Finalization Date	6/4/2018	Delete
GDS Committed Date	6/15/2018	Delete
GDS Proposed Date	6/15/2018	Delete

Locked Project Timing

Please note: GDS, MRD, and PPAP date fields carry over from those included in the Tooling PO. These fields are included for reference, however may not be modified without the expressed permission of the ASQE.

Tool Number	M1058	Delete
Asset Number		Delete
%-Completed	100	Delete
Material Required Date	12/5/2017	Delete
Tool Design Date	5/1/2018	Delete
Material Order Date	5/3/2018	Delete
Tool Build Dev/Engraving Date	5/7/2018	Delete
Initial Trial Date	6/4/2018	Delete
Tool Finalization Date	6/4/2018	Delete
GDS Committed Date	6/15/2018	Delete
GDS Proposed Date	6/15/2018	Delete
GDS Qty	6	Delete
Date approved		Delete
Rejection Reason		Delete
Test Sample Quantity	100	Delete
Tracking Number		Delete
Run-at-Rate Trial Date		Delete
Committed PPAP Date	6/22/2018	Delete
Supplier Part Number	133-02683	Delete
Sellable Vehicle Use	YES	Delete

Mandatory Project Timing

Supplier must add the following START date(s) or “kick-off timing” fields within (2) business days of kick-off to complete the Project Timing step:

- § Tool Design Date
- § Material Order Date
- § Tool Build Dev/Engraving Date
- § Initial Tool Trial Date
- § Tool Finalization Date

Tool Number	M1058	Delete
Asset Number		Delete
%-Completed	100	Delete
Material Required Date	12/5/2017	Delete
Tool Design Date	5/1/2018	Delete
Material Order Date	5/3/2018	Delete
Tool Build Dev/Engraving Date	5/7/2018	Delete
Initial Tool Trial Date	6/4/2018	Delete
Tool Finalization Date	6/4/2018	Delete
GDS Committed Date	6/15/2018	Delete
GDS Proposed Date	6/15/2018	Delete
GDS Qty	6	Delete
Date approved		Delete
Rejection Reason		Delete
Test Sample Quantity	100	Delete
Tracking Number		Delete
Run-at-Rate Trial Date		Delete
Committed PPAP Date	6/22/2018	Delete
Supplier Part Number	133-02683	Delete
Sellable Vehicle Use	YES	Delete

Updating Status / Submit For Approval

Once project timing is entered, update the document status for Yazaki ASQE approval

§ From the [Status] dropdown menu, select “Yazaki Approves Timing”

§ The next step is assigning the timing review to the Yazaki ASQE

§ Select the “+” button on the right side of the “Assign Next Task to:” input field

§ Click the [Save Changes] button

§ **NOTE:** Once status is changed, MRD, PPAP and GDS dates may not be modified without permission of the Yazaki ASQE. See next slide if changes/updates to any is needed.



Document Revision Level:

Creator: Jose Contreras Contreras ☐ Show all users

Status: **Yazaki Approves Timing**

Assign Next Task to: **+**

 **Attributes for this Document** 

Type: Value: **Add**

Type	Value	
Tool Number	M1058	Delete
Asset Number		Delete

Updating Status / Submit For Approval

- § In the pop-up window, enter the Yazaki ASQE name in the “Full Name:” field
- § Once entered, click the [Search] button
- § The desired name will be displayed in the field below the search
 - § Select the users name in **RED** from the “Full Name” column (This will auto-populate the “Assign Next Task To:” field of the APQP document)

Select User

☐ Include Inactive

Security Type:

Select Targets:

Selection:

Role Code: contains ▼

Full Name: contains ▼

NT User (ID): contains ▼

E-Mail: contains ▼

Domain: ▼

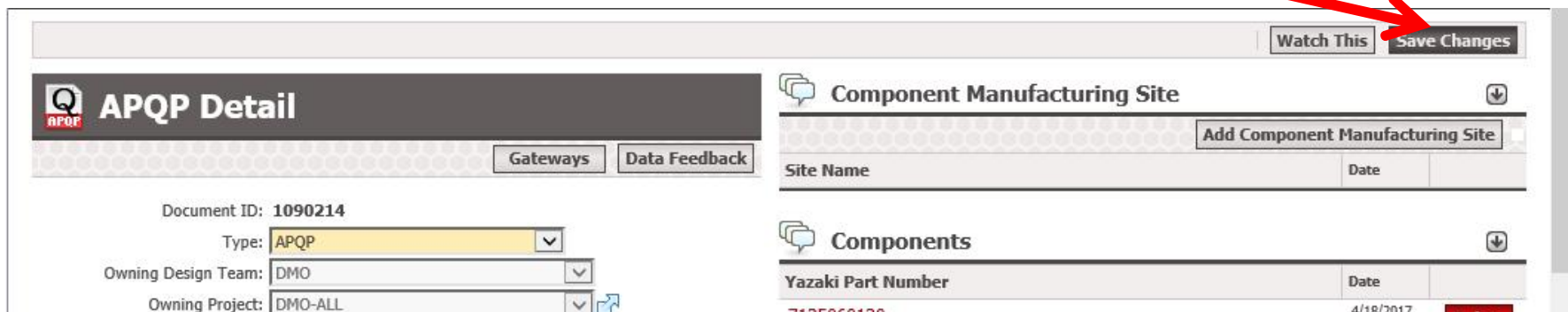
☐ Include Unassigned Users

1 record returned.

Full Name	User ID	Domain	Active	Email	Roles
Jessica Harps	10032436	na	☒	Jessica.Harps@us.yazaki.com	APQP SQE;ASL Supplier Quality;PLM Comp Doc Viewer-Gen;PLM SQE;

Updating Status / Submit For Approval

- § To complete the process, click the “Save Changes” button in the upper right hand corner of the APQP document
 - § The Yazaki ASQE will be notified to review the entered timing



The screenshot shows the 'APQP Detail' web interface. At the top right, there are two buttons: 'Watch This' and 'Save Changes'. A red arrow points from the text 'The Yazaki ASQE will be notified to review the entered timing' to the 'Save Changes' button. The main content area is divided into two columns. The left column, titled 'APQP Detail', contains fields for 'Document ID: 1090214', 'Type: APQP' (a dropdown menu), 'Owning Design Team: DMO' (a dropdown menu), and 'Owning Project: DMO-ALL' (a dropdown menu with a link icon). Below these fields are two buttons: 'Gateways' and 'Data Feedback'. The right column contains two sections: 'Component Manufacturing Site' and 'Components'. The 'Component Manufacturing Site' section has a table with columns 'Site Name' and 'Date', and an 'Add Component Manufacturing Site' button. The 'Components' section has a table with columns 'Yazaki Part Number' and 'Date', showing a part number '7125060120' and a date '4/18/2017'.

Updating Project Timing

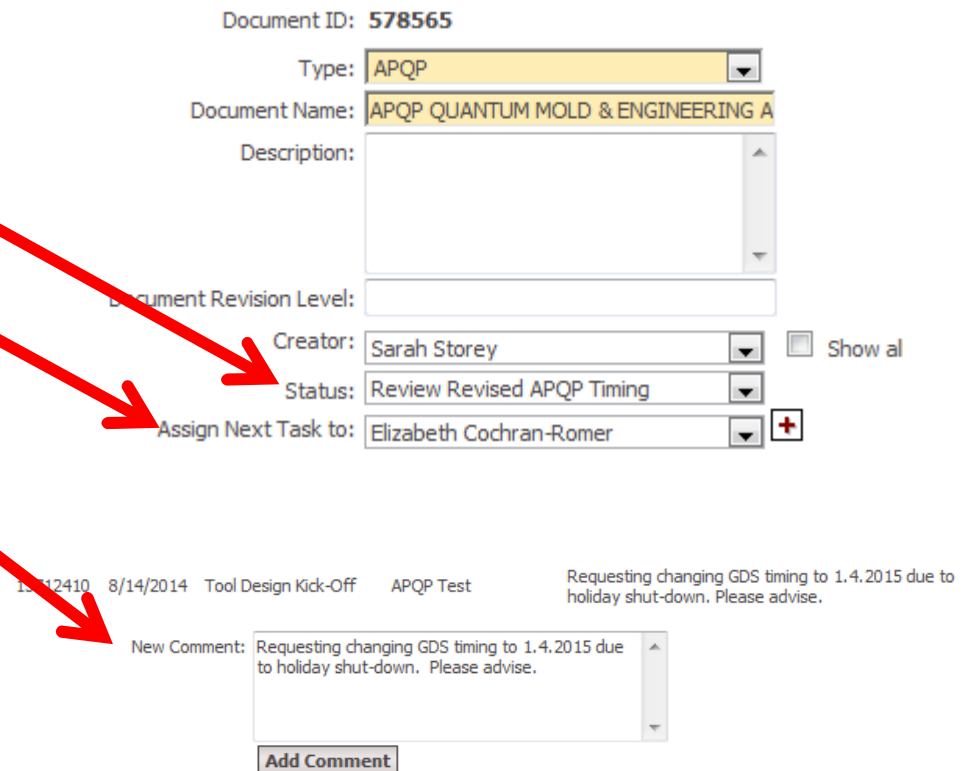
If an updated timing or timing change is required (NOT INCLUDING GDS, PPAP, and/or MRD date) navigate to the attribute field and proceed to:

1. Select the **RED** [Delete] button to the right of the desired field
2. Enter the new value in the "Value" field
3. Click the [Save Changes] button on the top right of the APQP Document

Tool Number	M1058	Delete
Asset Number		Delete
%-Completed	100	Delete
Material Required Date	12/5/2017	Delete
Tool Design Date	5/1/2018	Delete
Material Order Date	5/3/2018	Delete
Tool Build Dev/Engraving Date	5/7/2018	Delete
Initial Tool Trial Date	6/4/2018	Delete
Tool Finalization Date	6/4/2018	Delete
GDS Committed Date	6/15/2018	Delete
GDS Proposed Date	6/15/2018	Delete
GDS Qty	6	Delete
Date approved		Delete
Rejection Reason		Delete
Test Sample Quantity	100	Delete
Tracking Number		Delete
Run-at-Rate Trial Date		Delete
Committed PPAP Date	6/22/2018	Delete
Supplier Part Number	133-02683	Delete
Sellable Vehicle Use	YES	Delete

Updating Project Timing

- § If the GDS Due Date is ever compromised, the supplier must request a new GDS Due Date in BEAMS
- § Supplier must change "Status:" to "Review Revised APQP Timing";
- § Change the "Assign Next Task to:" the Yazaki ASQE on the project
- § Add a comment with the date requested and why
 - § Click [Add Comment]
 - § **NOTE:** Submitting the request is not a guarantee that the date will be changed; supplier MUST have expressed conformation from the Yazaki ASQE



Document ID: 578565

Type: APQP

Document Name: APQP QUANTUM MOLD & ENGINEERING A

Description:

Document Revision Level:

Creator: Sarah Storey ☐ Show all

Status: Review Revised APQP Timing

Assign Next Task to: Elizabeth Cochran-Romer ☐

13-112410 8/14/2014 Tool Design Kick-Off APQP Test

New Comment: Requesting changing GDS timing to 1.4.2015 due to holiday shut-down. Please advise.

Section 5.2

APQP Process Steps

Approved Timing / Project Milestones / Updates

Yazaki Approves Timing

- § Next, the Advanced Supplier Quality Engineer (ASQE) from Yazaki will review the submitted project timing, and choose to accept or reject the dates
- § If rejected, the status will return to “Supplier Enters Project Timing” and the supplier must resubmit timing
- § Once timing is approved, the supplier must check-in once every five business days to verify the project is meeting the specified timing

Update APQP Timing

- § After five business days, the system will transition to a code yellow “Update Due” status
- § If update is not provided by seventh business day, system transitions to code red “Late” status (supplier project scorecard is affected)
- § If supplier consistently reports in code yellow, points may be subtracted from supplier project scorecard

APQP Status Update

- § Weekly updates can require any of the following:
 - § % Completion update (Total completion of project as a whole); and/or
 - § Comment on status (required if there is no change to the % Completion); and/or
 - § Move status when appropriate

NOTE: One of the above must be preformed in order to constitute a check-in

% - Completed Status Update

- § It is up to you as the supplier to judge your percentage completion status
- § This must accurately reflect the current status of the project
- § To update, navigate to the Attributes section of the APQP document and enter the value in the “%-Completed” input field
- § Once entered, select the [Save Changes] button in the upper right hand corner of the APQP document


Attributes for this Document


Type: Value:

Type	Value	
Tool Number		Delete
Asset Number		Delete
%-Completed	100	Delete
Material Required Date	4/1/2017	Delete
Tool Design Date		Delete
Material Order Date	4/14/2017	Delete
Tool Build Dev/Engraving Date	4/18/2017	Delete
Initial Tool Trial Date	4/19/2017	Delete
Tool Finalization Date	4/19/2017	Delete
GDS Committed Date		Delete
GDS Proposed Date		Delete

Comment on Status Update

- § A comment can be added at any time, and can constitute a “check-in” if no other changes are available (ex. “Running ahead of schedule!”)
- § This is completed using the “Comments and Status” input field in the lower left hand corner of the APQP document
- § Once a comment is entered, select the [Add Comment] button


Comments and Status

Comments

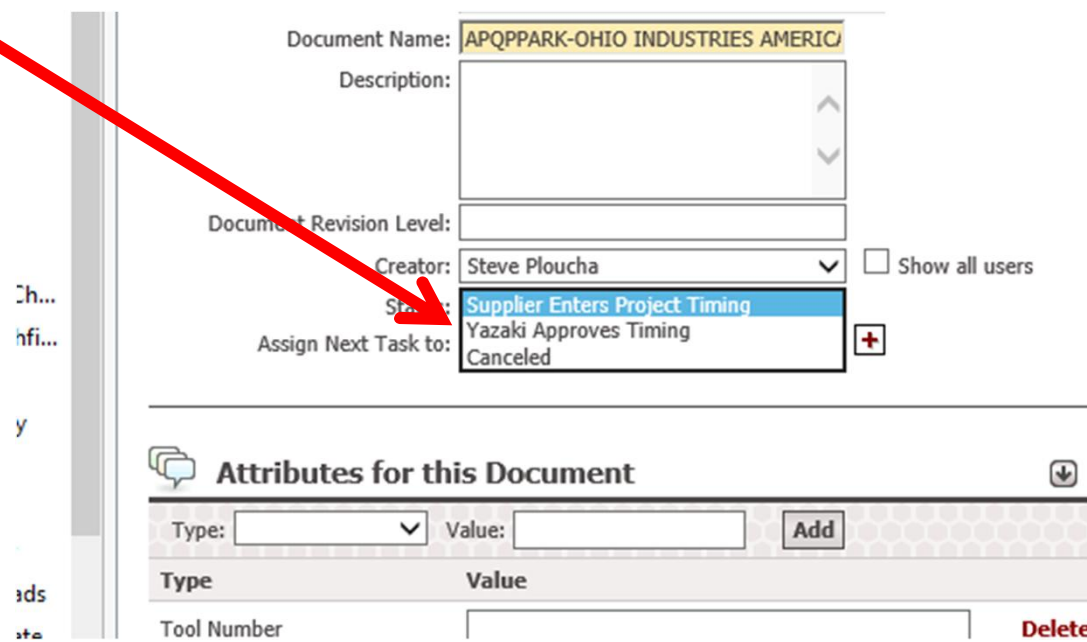
No.	Date	Status	Responsible	Comments
15711521	7/31/2014	APQP Doc Generated	Sarah Storey	Status update
15711522	7/31/2014	Supplier Enters Project Timing	Sarah Storey	Status update
15711540	8/4/2014	Supplier Enters Project Timing	APQP Test	Status Update
15711563	8/5/2014	Supplier Enters Project Timing	APQP Test	Document Assign Next Task To was added;
15711564	8/5/2014	Yazaki Approves Timing	APQP Test	Status update
15711565	8/5/2014	Yazaki Approves Timing	APQP Test	Running ahead of schedule!

New Comment:

Add Comment

Processing the APQP Status Tasks

- § As performed prior in Section 5.1, the supplier is responsible for a status change occurring for all of the following project milestones:
 - § Tool Design Kick-Off
 - § Order Material Kick-Off
 - § Tool Build / Doc Development Kick-Off
 - § Initial Tool Trials Kick-Off
 - § Tool and Documentation Finalization Kick-Off
 - § Final Tool Trial / Good Dimensional Samples (GDS) Kick-Off
 - § GDS Documentation Submission and Shipment
 - § Test Sample Submission
 - § To move the status of the APQP document, select the updated status from the dropdown menu
 - § If correct, click the [Save Changes] button in the upper right corner of BEAMS
- NOTE:** A status change can only be performed one step at a time, and CANNOT be undone



Document Name: APQPPARK-OHIO INDUSTRIES AMERICA

Description:

Document Revision Level:

Creator: Steve Ploucha ☐ Show all users

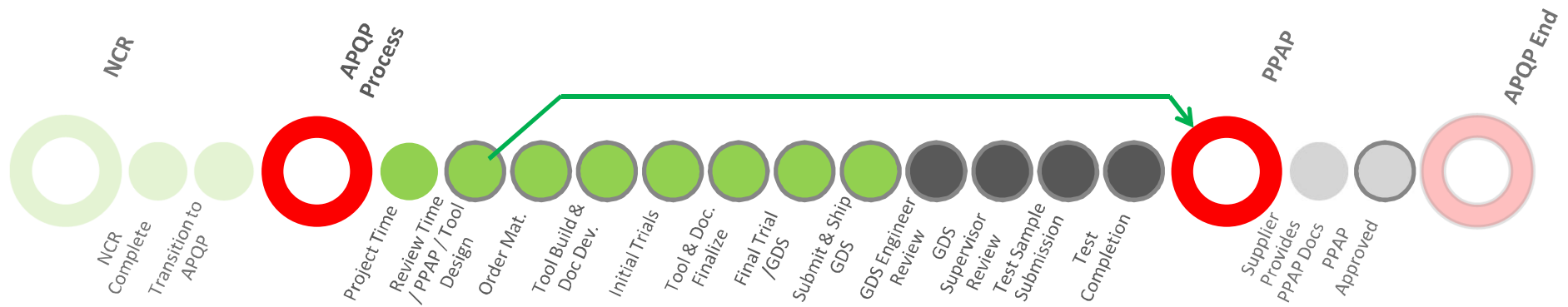
Status: **Supplier Enters Project Timing**

Assign Next Task to: Yazaki Approves Timing, Canceled

Attributes for this Document

Type	Value	
Tool Number		Delete

APQP PROCESS STEPS



New Component Request (NCR) Process
Yazaki engineers use this document to request a new part / component internally.

APQP PROCESS
The APQP process will be outlined. BEAMS operation and possible issues will be discussed from the standpoint of the supplier.

PPAP CREATION
The PPAP document is kicked off from the APQP process. This section will help to better describe the timing and relation to the PPAP document.

Submit and Ship GDS Documents

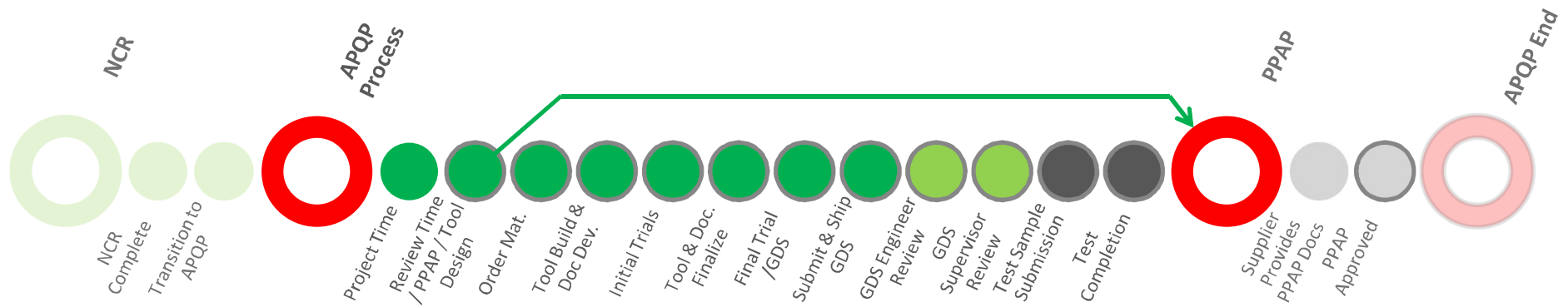
- § Supplier must provide shipping method and tracking number (if hand-carry, must state “hand-carry”)

Tracking Number

ABD 123 (USPS)

- § Number of GDS samples required to submit is listed on APQP document
- § GDS documentation must be attached to the APQP document (i.e. layout, ballooned drawing, CDR, etc. as defined Project Review requirements)
- § Assign to Yazaki ASQE for review
- § If ALL documents are not included, the GDS package will be rejected back to the supplier

APQP PROCESS STEPS



New Component Request (NCR) Process
Yazaki engineers use this document to request a new part / component internally.

APQP PROCESS
The APQP process will be outlined. BEAMS operation and possible issues will be discussed from the standpoint of the supplier.

PPAP CREATION
The PPAP document is kicked off from the APQP process. This section will help to better describe the timing and relation to the PPAP document.

GDS Engineering Review & Acceptance

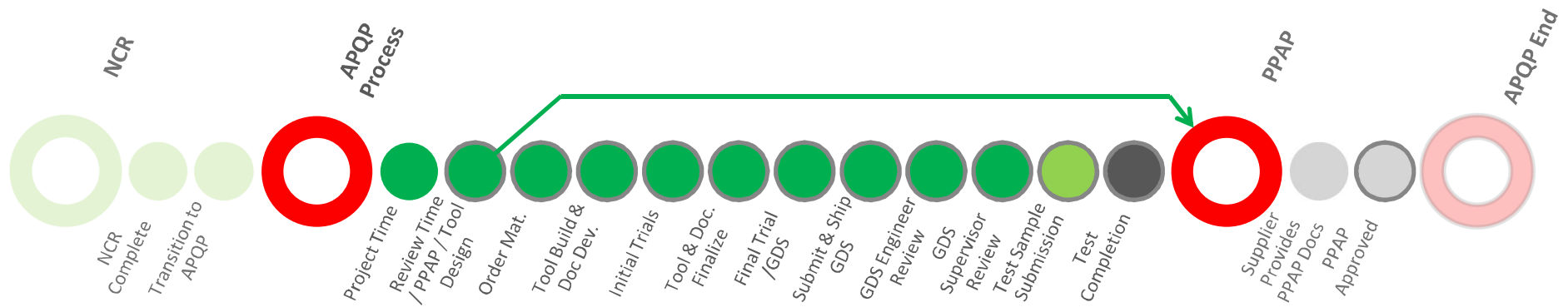
ASQE reviews documents and if acceptable, assigns to the component design engineer

Component Design Engineer or Supervisor accepts or rejects GDS components and package

- § If GDS is **accepted**, status is updated to “Submit Test Samples” and a notification will go to the supplier to submit test samples
 - § Test samples must be submitted within 48 hours of GDS approval
 - § NOTE: Acceptance DOES NOT constitute an approval
 - § The GDS is acceptable and no new GDS is needed, the supplier will be requested to submit test samples
 - § Acceptance allows the process to continue on (i.e. testing) with the parts in the condition in which they were received (no new GDS needed)
 - § Samples are not considered approved until testing and DVPR (Design Verification Plan and Report) have been approved
 - § The approved (or conditionally approved) deviation will be attached to the document, if applicable
- § If GDS is **rejected**, the Component Design Engineer or Supervisor will assign to the SQE and the APQP document will start over from beginning
 - § Engineer/Supervisor must state rejection reason in the “Rejection Reason” attribute field
 - § Suppliers are responsible for reviewing the Rejections Reason field as well as the comments section
 - § The rejected deviation will be attached to the document, if applicable
 - § An interim approval may still be granted but must be noted in the rejection reason and/or on the CDR in order for SQE to grant approval

Supplier must review the comments area for further direction prior to submitting test samples or revised GDS timing

APQP PROCESS STEPS



New Component Request (NCR) Process
Yazaki engineers use this document to request a new part / component internally.

APQP PROCESS
The APQP process will be outlined. BEAMS operation and possible issues will be discussed from the standpoint of the supplier.

PPAP CREATION
The PPAP document is kicked off from the APQP process. This section will help to better describe the timing and relation to the PPAP document.

Test Sample Submission

- § Supplier must provide shipping method and tracking number if applicable
 - § **NOTE:** Number of samples can be found on the APQP document
- § Supplier must create a new value by selecting “Tracking Number” in [Type:] and the new value (tracking number and shipping method)
 - § Click [Add]
 - § Click [Save Changes]
- § Supplier must change the status to “Submit Test Samples” and assign to the ASQE within (2) business days of GDS approval (select [Save Changes])
- Upon receipt of test samples, ASQE verifies the quantity and condition of the parts
- If acceptable, the ASQE changes the status to “Pending Testing Completion and DVPR Approval”
 - § The status will remain the same until Testing and DVPR is approved or rejected

Attributes for this Document

Type: Tracking Number Value: EFG 456 (FedEx)

Type	Value	
Tracking Number	ABD 123 (USPS)	Delete
Tracking Number	EFG 456 (FedEx)	Delete

Owning Project: DMO-ALL

Document Name: APQP WOCO AMERICA 7135060130 - 39

Description:

Document Revision Level:

Creator: Jake Suhajda (Inactive) ☐ Show all users

Status: **Pending Testing Completion and DVPR Approval**

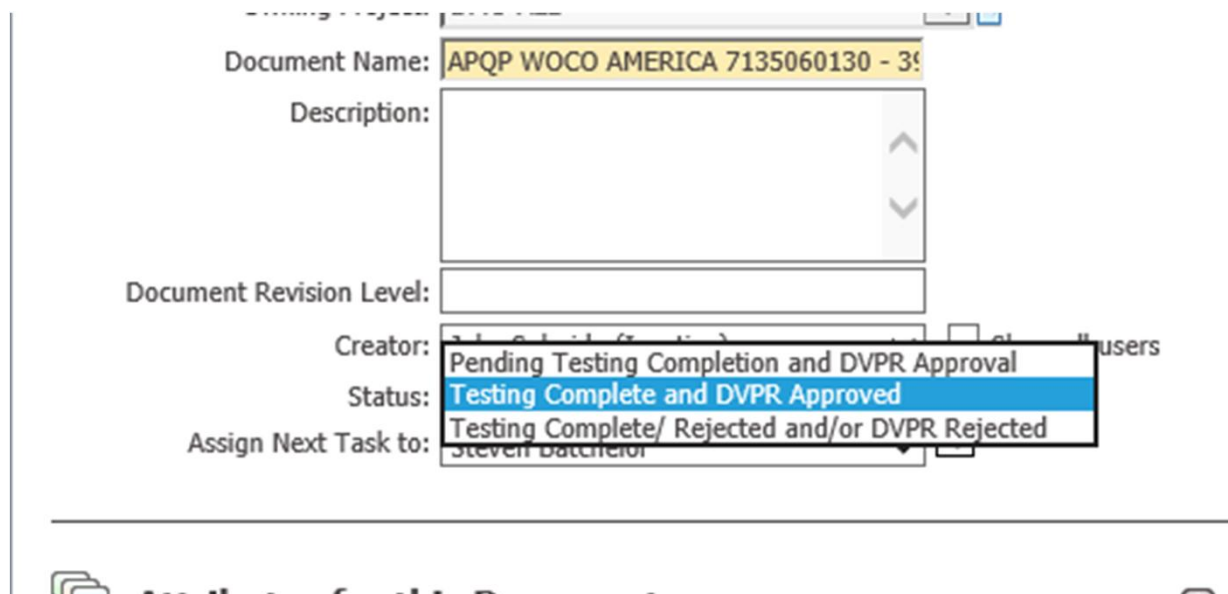
Assign Next Task to:

Testing Complete and DVPR Approved

Testing Complete/ Rejected and/or DVPR Rejected

Testing Complete and DVPR Approval

- § Upon testing completion, the DVPR will be either approved or rejected
- § If approved, the process will continue
- § If rejected, the APQP document will start over and new timing will be required, or a new design (NCR) will be kicked off requiring a new APQP document



Document Name: APQP WOCO AMERICA 7135060130 - 39

Description:

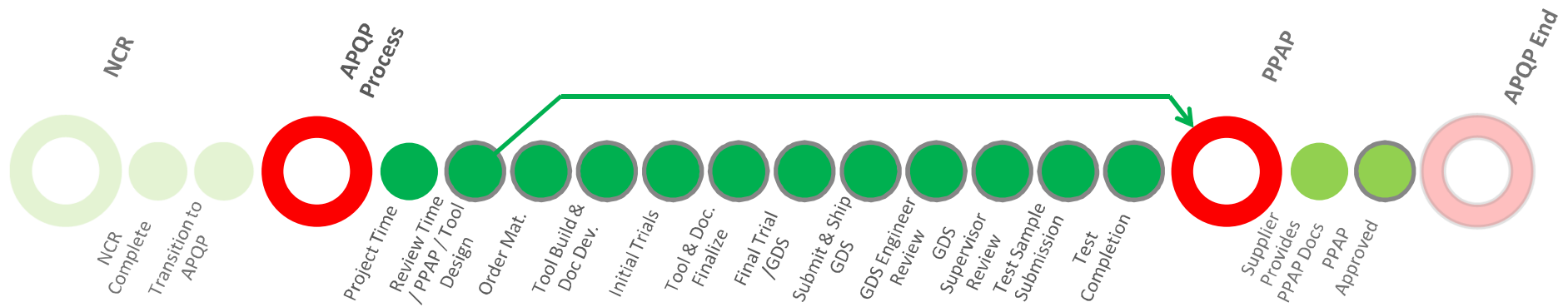
Document Revision Level:

Creator:

Status: Pending Testing Completion and DVPR Approval
Testing Complete and DVPR Approved
Testing Complete/ Rejected and/or DVPR Rejected

Assign Next Task to: Steven Batchelor

APQP PROCESS STEPS



New Component Request (NCR) Process
Yazaki engineers use this document to request a new part / component internally.

APQP PROCESS
The APQP process will be outlined. BEAMS operation and possible issues will be discussed from the standpoint of the supplier.

PPAP CREATION
The PPAP document is kicked off from the APQP process. This section will help to better describe the timing and relation to the PPAP document.

APQP PROCESS STEPS



End APQP Process (Prototype Only)

- § If a component is prototype (sellable vehicle use attribute marked “NO”) PPAP document will not be created and/or required

Test Sample Quantity		Delete
Tracking Number		Delete
Run-at-Rate Trial Date		Delete
Committed PPAP Date		Delete
Supplier Part Number		Delete
Sellable Vehicle Use	NO v	Delete

Supplier Provides PPAP Documents

- § Supplier must provide PPAP documents by date on the APQP document (same date as listed on the Tool PO) in the PPAP Document Detail page
 - § A date change may be requested on the PPAP Document in BEAMS if unable to meet originally agreed upon timing
- NOTE:** See BEAMS training manual for process on submitting PPAP documentation

PPAP Document Detail

Document ID: 1105560

Type: PPAP Document

Owning Design Team: DMO

Owning Project: DMO-ALL

Document Name: 71734043 YZ (Woco America) L3

Description:

Document Revision Level: 1

Document Revision Comment: System BEAMS

Assign Next Task to:

- Supplier Provides PPAP Documents
- PPAP Scheduled by Supplier
- DMO Task Assume Request
- SQE Review
- DMO Review
- Approved
- Obsolete
- Rejected

Attributes for this document:

Type	Value
Weight/UOM (g)	5

Issued By

Site Name	Date
WOCO AMERICA	5/9/2017

Issued For

Site Name	Date
Yazaki	5/9/2017

Components

Yazaki Part Number	Date
71734043	5/9/2017

Related Document

Document Name (Type)	Date
71734043-PSW(CPL396259) (PSW Coversheet) Waiting for PPAP Completion (Supplier)	5/9/2017

Component Manufacturing Site

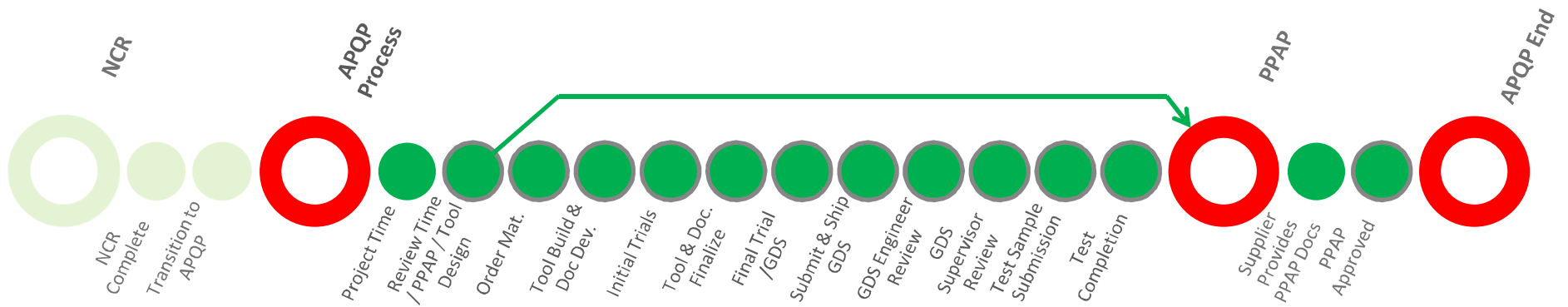
PPAP Approved

- § Supplier will receive notification via E-Mail once the PPAP is approved

End of APQP Process (Production)

- § ASQE will close out the APQP process once the PSW is approved

APQP PROCESS STEPS



New Component Request (NCR) Process
Yazaki engineers use this document to request a new part / component internally.

APQP PROCESS
The APQP process will be outlined. BEAMS operation and possible issues will be discussed from the standpoint of the supplier.

PPAP CREATION
The PPAP document is kicked off from the APQP process. This section will help to better describe the timing and relation to the PPAP document.

Thank you very much
for your attention!

In case of questions please do not hesitate to contact

Yazaki North America

Your Name

Tel:

Email: