

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

End User Guide

Plant Maintenance Order Date Change Notification with SAP Workflow Management

Table of Contents

Table of Contents	2
Overview	3
My Inbox Task	4
Manual conflict solution	4
Confirm supplier change.....	6
Process Visibility Workspace	8
Access Process Workspace	8

Overview

This document provides information about how to use the **Plant Maintenance Order Date Change Notification** using SAP Workflow Management. Maintenance planners and Operational purchasers are the target users of this document.

This scenario enables maintenance planners to react to delays in the delivery of components required for plant maintenance orders. When an update to a purchase order or an associated document occurs, the workflow checks if there is a scheduling conflict (e.g. delivery date of vendor confirmation for a component is later than the start date of the maintenance order). In case of a conflict the maintenance planner is informed and can decide between the following actions: They can replan the maintenance order to a later date, can request a supplier change by a procurement responsible or can choose to just accept the delay.

This package includes the following features:

- React to changes to the Purchase Order with event-based integration with Event Mesh
- Automatic determination of procurement responsible based on Responsibility Management
- Automatic replanning of the maintenance order based on the availability date of the parts taking into account the material goods receipt duration

My Inbox Task

The **Plant Maintenance Order Date Change Notification** enables the Maintenance planners and Operational purchasers to view the approval tasks in My Inbox for determining conflict resolution. They could also make a decision to Accept the delay / Replan the maintenance order or to Change Supplier for the delayed part.

Manual conflict solution

SAP Workflow Management’s “My Inbox” application enables line of business users to claim and complete their task. Please go through [SAP My Inbox documentation](#) for more details.

This task gets created when an automatic resolution is not determined by the Business Rule. The recipient is the maintenance planner determined by the Business Rule. It enables the maintenance planner to decide on how to proceed with a detected conflict.

All Tasks (1) Maintenance planner: Decide on action

Search

Manual Decision for Maintenance Order 40001152 is needed
sb-clone-5568b0ee-... Medium
Due on Oct 4, 2021, ... Within a Week

Conflict for Maintenance Order: 40001152

Maintenance Order Purchase Order Affected Material

Maintenance Order Type: PM01
Start / Finish Date: 10/4/2021 / 10/4/2021
Priority: 2
Reference Object: Hydraulic Press
Order Status: CRTD MANC PRC
System Condition: 1
Main Work Center: PM-ALLG
PM Activity Type: 003
Maintenance Plant: DE01
Plant Section: 010
Production Work Center: MECH
ABC Indicator: A

Purchase Order

Purchase Order: 4500003581
Created By: DUERRENBERGE
Creation Date: 10/1/2021
Company Code: DE00
Supplier Name: Boot Camp Standard Vendor
Purchasing Organization: DE01
Purchasing Group: 001

Affected Material

Operation	Material	Required Quantity	Required Date	Confirmed Quantity	Availability Date	Supplier	Resp. Work Center	Resp. Person	Operation Status
10	TURBO	3 PC	2021/10/04		2021/10/04	BC_VEND OR	PM-ALLG	00000158	CRTD

Accept Replan Request Supplier Change Show Log Claim Forward

The approval user interface to decide on the conflict solution has 3 sections.

1. Maintenance Order - shows information about the affected maintenance order
2. Purchase Order - shows information about the purchase order
3. Affected Material - shows information about the affected materials and highlights the conflict source

The maintenance planner can make one of the following decisions:

1. Accept - Click **Accept** to accept the delay in the delivery of the maintenance order and send an information mail to the stakeholders.
2. Replan - Click **Replan** to automatically change the start date of the maintenance order according to the confirmed delivery date and the material goods receipt duration.
3. Request Supplier Change - Click **Request Supplier Change** to request a supplier change. The responsible operational purchaser will be notified to change the supplier and confirm the supplier change in a separate user task.

Confirm supplier change

SAP Workflow Management's "My Inbox" application enables line of business users to claim and complete their task. Please go through [SAP My Inbox documentation](#) for more details.

This task gets created when the maintenance planner chooses to request a supplier change. The recipient will be an operational purchaser automatically determined by the responsibility management API. It enables the purchaser to view the relevant data and confirm the selection of a new supplier.

All Tasks (2)
☰

Reserved by You

Change Supplier for Purchase Order 4500003584

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Due on Oct 4, 2021, ... Within a Week

Manual Decision for Maintenance Order 40001152 is needed

sb-clone-5568b0ee-... Medium
Due on Oct 4, 2021, ... Within a Week

Procurement: Confirm new supplier

Purchase Order 4500003584

Creation Date: 10/1/2021 Created by: DUERRENBERGE

Maintenance Order Purchase Order Confirm Supplier

Maintenance Order Type: PM01
 Start / Finish Date: 10/12/2021 / 10/12/2021
 Priority: 2
 Reference Object: Hydraulic Press
 Order Status: CRTD MANC PRC
 System Condition: 1
 Main Work Center: PM-ALLG
 PM Activity Type: 003
 Maintenance Plant: DE01
 Plant Section: 010
 Production Work Center: MECH
 ABC Indicator: A

Purchase Order

Purchase Order

Purchase Order: 4500003584
 Created By: DUERRENBERGE
 Creation Date: 10/1/2021
 Company Code: DE00
 Supplier Name: Boot Camp Standard Vendor
 Purchasing Organization: DE01
 Purchasing Group: 001

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All Tasks (2) ☰

Search 🔍 🔄

Reserved by You

Change Supplier for Purchase Order 4500003584

sb-clone-5568b0ee-... Medium
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Manual Decision for Maintenance Order 40001152 is needed

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Procurement: Confirm new supplier

Purchase Order 4500003584 ▼

Maintenance Order Purchase Order ▼ Confirm Supplier

Purchase Order Items

Item	Material	Required Date	Required Quantity	Available Date	Available Quantity
10 (ABB VTC Turbo)	TURBO	10/12/2021	3	10/15/2021	3

Confirm Supplier

Dear procurement responsible. The parts for the maintenance order related to the mentioned purchase order can't be delivered on time by the current supplier. Please select another supplier in the system, do all the needed steps, and confirm the newly chosen supplier here in the input field below.

Current Supplier:
BC_VENDOR
Boot Camp Standard Vendor

New Supplier:
 📄

↑↓ 🔍 ☰ Confirm Supplier Cancel Show Log Release Forward 🔗

The approval user interface to decide on the conflict solution has 3 sections:

1. Maintenance Order – Shows information about the affected maintenance order
2. Purchase Order – Shows information about the Purchase Order.
3. Confirm Supplier – Allows the purchaser to confirm the newly chosen supplier for this conflict

The maintenance planner can make one action:

1. Confirm Supplier – Click **Confirm Supplier** to confirm the entered supplier to write the data back into the process

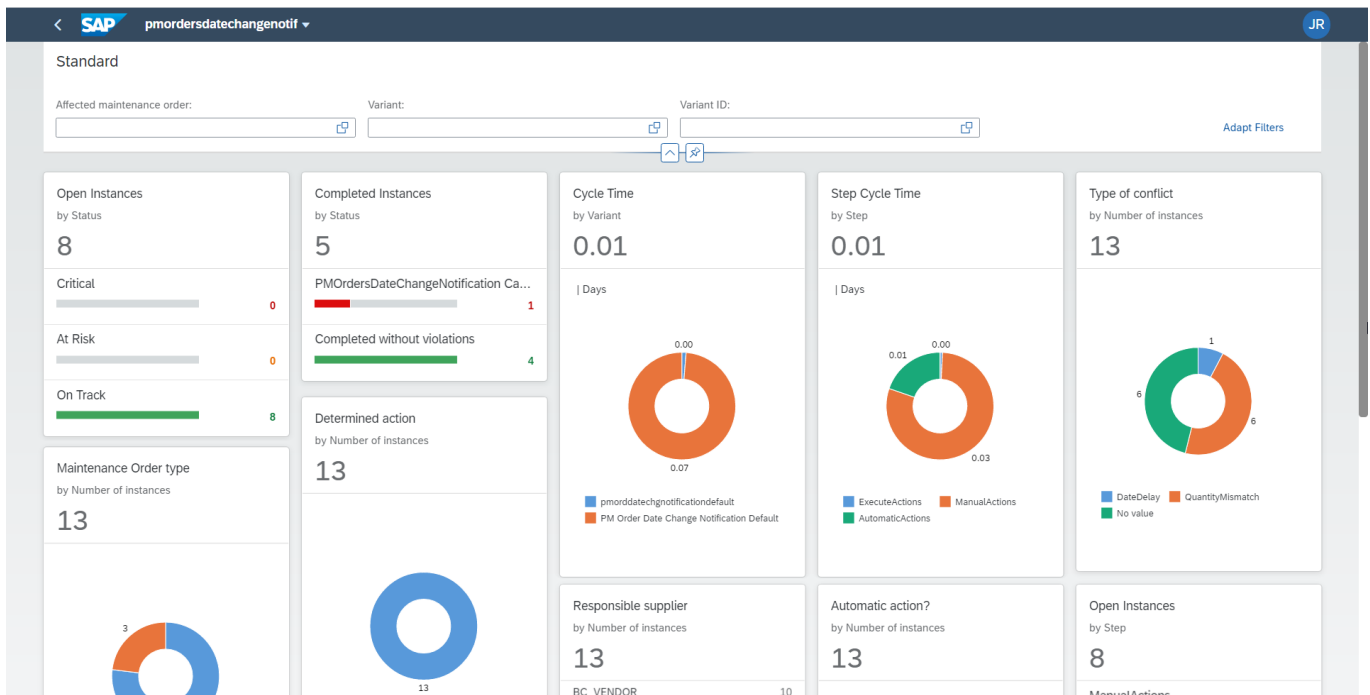
Process Visibility Workspace

Process Visibility Capability in SAP Workflow Management enables Process Owners and Process Operators to gain real time visibility on processes and key process performance indicators. It also enables customers gain out of the box process visibility into their deployed processes. Please refer [help documentation](#) for more details.

This package provides out of the box visibility to process performance indicators for all the deployed process variants in SAP Workflow Management. A process owner or line of business expert will be able to enhance the visibility scenario.

Access Process Workspace

1. Go to Process Flexibility Cockpit.
2. Select Plant Maintenance Order Date Change Notification tile.
3. Click Live Process Insights **Plant Maintenance Order Date Change Notification**
4. User will see the below detailed process visibility screen.



5. Additional Performance Indicators:
 - a. Type of conflict detected
 - b. Responsible supplier for the conflict
 - c. Was an automatic action taken
 - d. Which action was determined to mitigate the problem
 - e. Which maintenance order type was affected
 - f. Newly chosen supplier to deliver the parts

- g. Delay per supplier
- h. Discrepancy per supplier
- i. Responsible Maintenance planner

Please go through [help documentation](#) on how to access process workspace.