



Conditional Process Steps

In DWOS, users have the ability to create Processes containing Conditional Steps. A Conditional Step will modify an Order's workflow according to specific Process answers. A great example of this is a Water Break Free test with a Pass or Fail answer. With a Conditional Step, a failed WBF answer would send the order back through another Immersion Rinse before moving on to the next step. If the WBF answer is Pass, the order would skip the conditional step and move on through the process as planned.

Creating Conditions

1. To start, go to the DWOS Process Manager under the Tools Tab
2. Choose the Process to which you wish to add a Condition
 1. If this process has already been added to a part, you'll have to Create a Revision
3. Select the step you would like to add the condition to
4. Select 'Add Step'

1

4

2

3

Process Manager

File Home Reports

Add Process Add Step Add Question Display Inactive Print Advanced Search Delete Copy Paste Create Revision Freeze Export Import

Processes

<None>

Processes

Blasting

Chem-Process

BRN-6.1.3 - <None>

BSAA-01 - C

CAA-01 - A

CAA-Conditional - A

5.0 - Receiving Inspection

30.0 - Alkaline Wash

31.0 - Immersion Rinse

32.0 - Immersion Rinse

40.0 - Water Break Free Test

1.0 - Test Results - Pass

50.0 - Deoxidize

51.0 - Immersion Rinse

52.0 - Immersion Rinse

60.0 - Water Break Free Test

70.0 - Anodize

71.0 - Immersion Rinse

72.0 - Immersion Rinse

80.0 - Seal

90.0 - Force Dry

110.0 - Visual Inspection

CLN-6.1.3 - <None>

CONSTRAINT TEST PROCESS - <None>

ETCH AL 1 - D

ETCH AL 2 - A

Paxos F0013 - <None>

SAA-1 - D

SAA-2 - C

SAA-5 ETCH - <None>

SAA-5 ETCH - C

Process Step

Order: 40.0 Display on COC

Name: Water Break Free Test

Conditions:

Document Links:

Description: per CF 06 Section 7.1.5 / WI 300-4

Help

OK Cancel Apply

1. After adding a Step, adjust the order sequence to ensure the Step is processed in the correct order
2. Select the green plus in the Conditions field to add a Condition to this step. This will open the Step Condition dialog box. An '=' sign will indicate that this step contains a condition
3. Next select Process Step and Question that the Condition applies to (The Condition type will always be 'Process Question')
4. Now use the 'Operator' and 'Value' fields to define what answers will trigger a Conditional action. In this case, If Process Step 40, Question 1 is answered as 'Fail' the order will go through the Additional Rinse Step and Question. If the WBF Test Passes, the order will proceed on to step 50 Deoxidize

The screenshot displays the 'Process Manager' application interface. The main window shows a tree view of processes on the left, with '41.0 - Additional Rinse' selected. The right pane shows the configuration for this step, including its order (41.0), name ('Additional Rinse'), and a condition. A 'Step Condition' dialog box is open, showing the configuration for the condition. The dialog box has four sections: 'Input', 'Comparison', 'Operator', and 'Value'. The 'Condition Type' is set to 'Process Question', the 'Process Step' is '40.0 - Water Break Free Test', and the 'Process Question' is '1.0 - Test Results'. The 'Operator' is set to '=' and the 'Value' is 'Fail'. The 'Step' field is set to 'Additional Rinse'. The 'Condition' text at the bottom reads: 'Complete this step if '40.0: Water Break Free Test - Test Results' answer is '=' 'Fail''. The dialog box has 'OK' and 'Cancel' buttons at the bottom right.

1. The 'Order' field in the 'Process Step' configuration is set to 41.0.

2. The 'Conditions' field in the 'Process Step' configuration has a green plus icon next to it.

3. The 'Step Condition' dialog box is open, showing the configuration for the condition.

4. The 'Operator' and 'Value' fields in the 'Step Condition' dialog box are set to '=' and 'Fail' respectively.

Here is a Conditional Step from the User's perspective. You'll notice that the Order Processing steps on the left go from step 40 directly to step 50 (skipping the second rinse) because the operator chose that the order Passed the Water Break Free Test on step 40.

Order Processing

Order Information

Work Order: 11121 Normal
Customer: Boeing
PO Number: ABC
Start Date: 6/13/2016 Required: 6/27/2016

Part Information

Part: 162087AA
Material: 2024
Quantity: 200
Hing

Process: CAA-Conditional

40.0 Water Break Free Test Chem-Process
per CF 06 Section 7.1.5 / WI 300-4

1.0 Test Results

Answer: Pass * List
Operator: Nate Wells <None>
Date: 06/13/2016 04:01 PM
Next >> INSTRUCTIONS

- 5.0 - Receiving Inspectio
- 30.0 - Alkaline Wash
- 30.5 - Second Wash
- 31.0 - Immersion Rinse
- 32.0 - Immersion Rinse
- 40.0 - Water Break Free
- 50.0 - Deoxidize
- 51.0 - Immersion Rinse
- 52.0 - Immersion Rinse
- 60.0 - Water Break Free
- 70.0 - Anodize
- 71.0 - Immersion Rinse
- 72.0 - Immersion Rinse
- 80.0 - Seal
- 90.0 - Force Dry
- 110.0 - Visual Inspection

Help OK Cancel

Chem-Process Nate Wells Paperless Mode 10/31