

## **MFG-20 Manufacturing Costing**

### **Purpose**

The purpose of this Quick Reference Guide (**QRG**) is to provide a step-by-step guide to Manufacturing Costing in the North Carolina Financial System (**NCFS**).

### **Introduction and Overview**

This QRG covers the process of Manufacturing Costing within NCFS.

### **Custom Report: Finished Product Cost Estimate**

There are 19 steps to complete this process.

Step 1. Log in to the NCFS portal using the **Company Single Sign-On (SSO)** button.

Step 2. Enter your **@dac.nc.gov** email address.

Step 3. Click **Next**, then enter your **password**.

Step 4. Begin from the Home page, or click the **Home** icon.

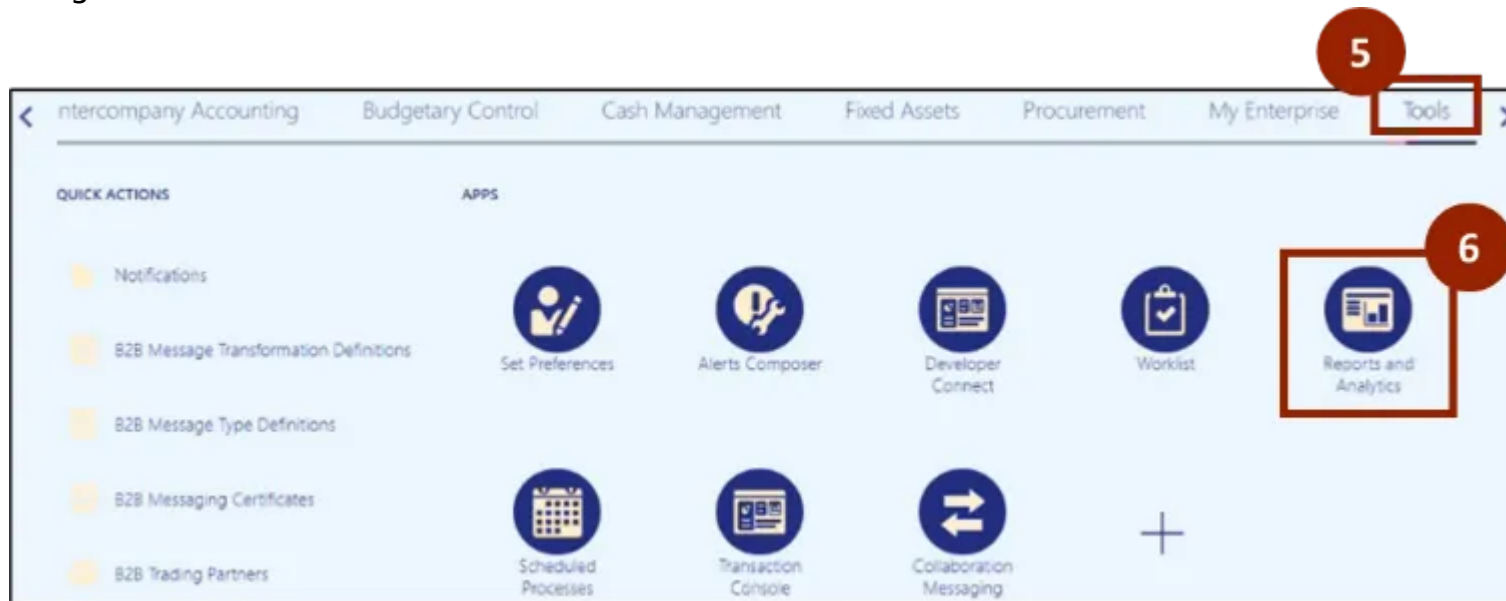
Image



Step 5. On the Home page, select **Tools**.

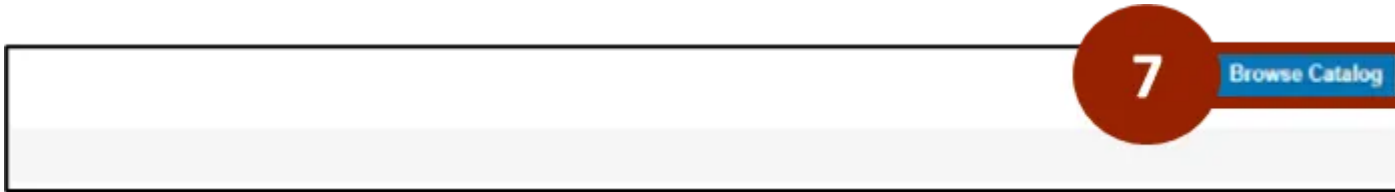
Step 6. Within the Tools, select **Reports and Analytics**.

Image



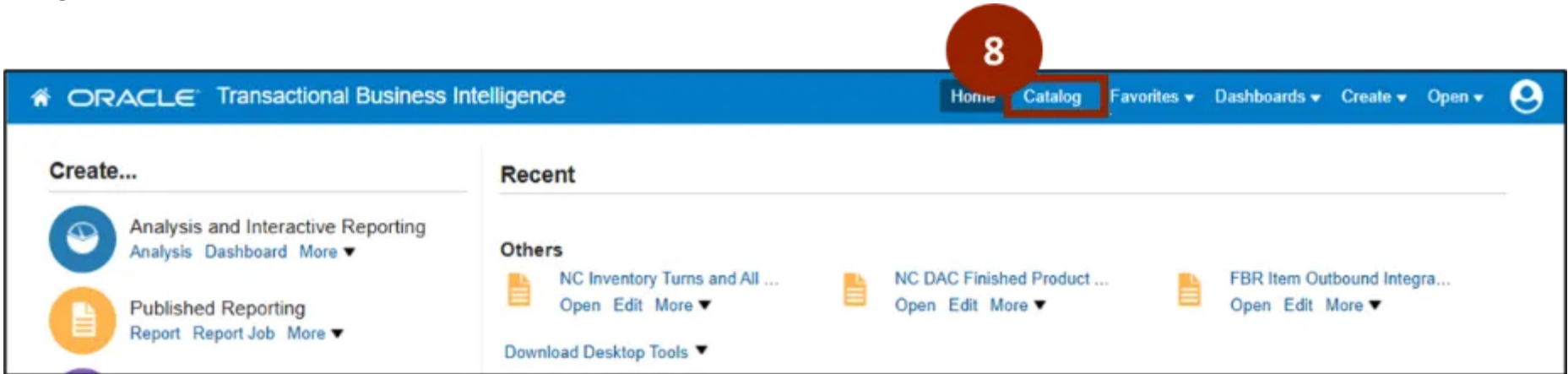
Step 7. Select **Browse Catalog**.

Image



Step 8. Select **Catalog**.

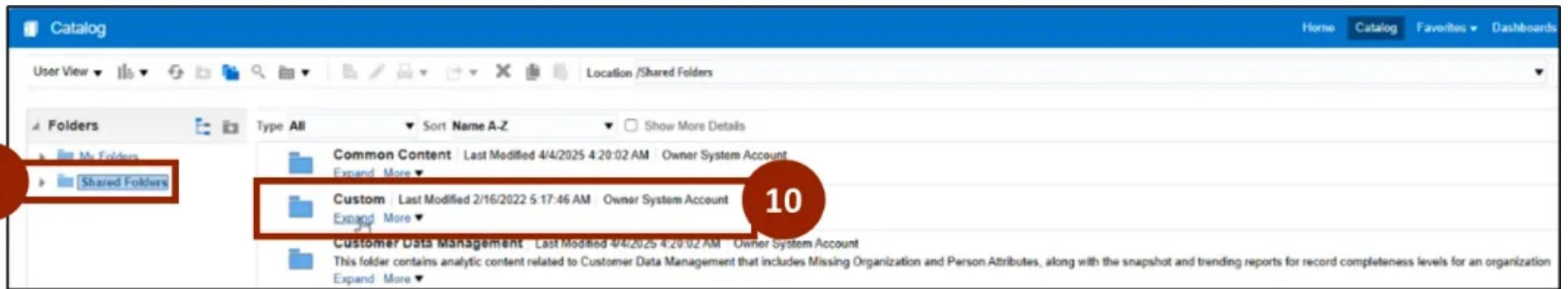
Image



Step 9. Select **Shared Folders**.

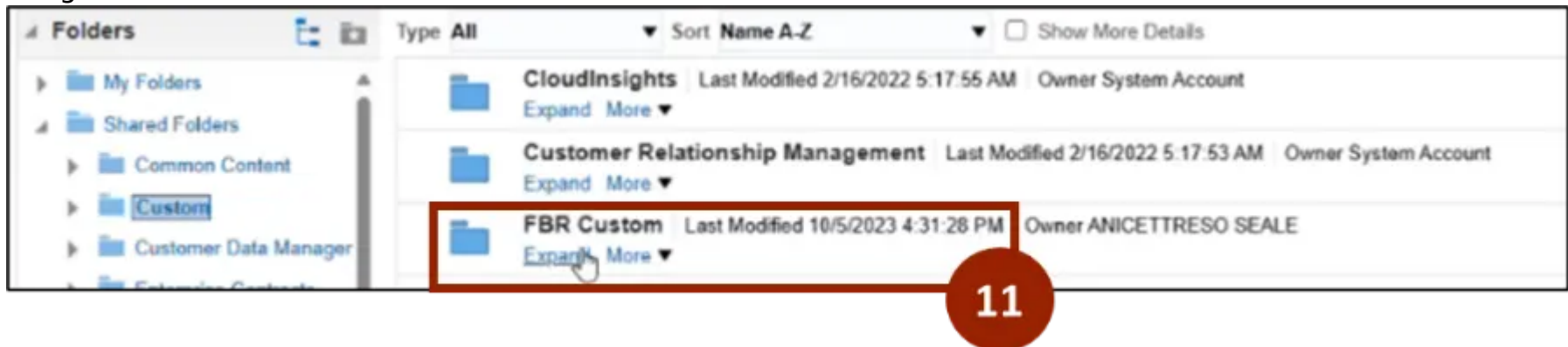
Step 10. Select **Expand** under the Custom option.

Image



Step 11. Select **Expand** under the FBR custom option.

Image



Step 12. Select **Expand** under the Report option.

Step 13. Select **Expand** under the Inventory option.

Image

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Report

Last Modified 10/5/2023 4:34:54 PM

Expand More ▼

13



Inventory

Last Modified 10/5/2023 5:08:23 PM

Expand More ▼

Step 14. Select **Expand** under NC DAC Finished Product Cost Estimate Report (RPTIN030).

Image

14



NC DAC Finished Product Cost Estimate Report (RPTIN030)

Expand More ▼

Step 15. Select **Open** under the NC DAC Finished Product Cost Estimate Report (RPTIN030).

Image

15



NC DAC Finished Product Cost Estimate Report (RPTIN030)

NC DAC Finished Product Cost Estimate Report (RPT-IN-030)

Open Edit More ▼

Step 16. On the NC DAC Finished Product Cost Estimate Report, input and/or select the appropriate options from the following:

- Plant
- Scope Report

- Report Type: Select **Estimate**
- Non Inventory Goods Cost: Enter a **custom amount**
- Margin
- Cost Book
- Cost Organization
- Component 1: Enter up to **10 Components** to estimate the cost of the finished good

Step 17. Select **Apply**.

Image

NC DAC Finished Product Cost Estimate Report (RP...)

\* Plant: 428105R - ENTERPRISE RM | \* Scope Report: All FG Items | Report Type: | Overhead Plant: |

Non Inventory Goods Cost: | Margin: | \* Cost Book: DAC - Cash Cost Book | \* Cost Organization: DAC - Cost Organization |

Component 1: | Component Qty 1: | Component 2: | Component Qty 2: |

Component 3: | Component Qty 3: | Component 4: | Component Qty 4: |

Component 5: | Component Qty 5: | Component 6: | Component Qty 6: |

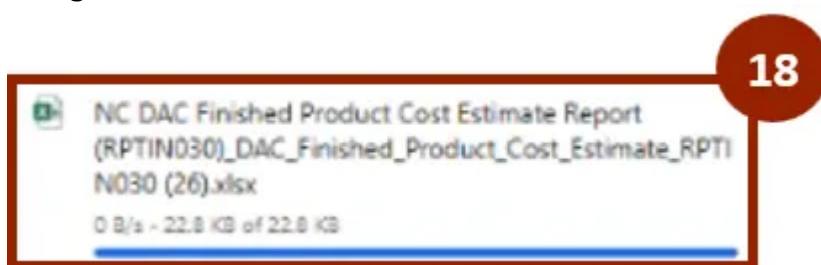
Component 7: | Component Qty 7: | Component 8: | Component Qty 8: |

Component 9: | Component Qty 9: | Component 10: | Component Qty 10: |

Apply

Step 18. Report is exported in Excel format, open the file from your Downloads.

Image



Step 19. View report.

Image

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Not Just Making It Right. Making It Better.

## North Carolina Financial System

### Office of State Controller

## NC Finished Product Cost Estimate Report (RPT-IN-030)

07/29/2025 03:35:59 PM

|                                |                                             |
|--------------------------------|---------------------------------------------|
| Plant                          | 428136R - ENTERPRISE<br>RM -<br>WOODWORKING |
| Scope                          | Single FG Item                              |
| FG Item                        | 0022105-CUSTOM<br>OVERSELF                  |
| Report Type                    | Estimate                                    |
| Non-Inventory Goods Total Cost | 5                                           |
| Margin                         | 30                                          |

#### MFG Item: 0022105-CUSTOM OVERSELF

| Component Item | Component Description                     | UOM | Component Unit Cost | Overhead Rate | Plant Component Cost | Required Qty                   | Total Component Cost |
|----------------|-------------------------------------------|-----|---------------------|---------------|----------------------|--------------------------------|----------------------|
| 0004862        | SEALER, NITROCELLULOSE SANDER SEALER TYPE | GIL | 23.75050            | 112.00        | 50.35                | 2.00                           | 100.70               |
|                |                                           |     |                     |               |                      | Estimated MFG Cost             | \$ 100.70            |
|                |                                           |     |                     |               |                      | Non-Inventory Goods Total Cost | \$ 10.60             |
|                |                                           |     |                     |               |                      | Total MFG Estimated Cost       | \$ 111.30            |
|                |                                           |     |                     |               |                      | Margin                         | 30%                  |
|                |                                           |     |                     |               |                      | FG Price per US gallon         | \$ 144.69            |

**Review Work Order Cost Analysis Screen**

There are 27 steps to complete this process.

Step 1. Begin from the Home page, or click the **Home** icon.

Image



Step 2. On the Home page, select **Supply Chain Execution**.

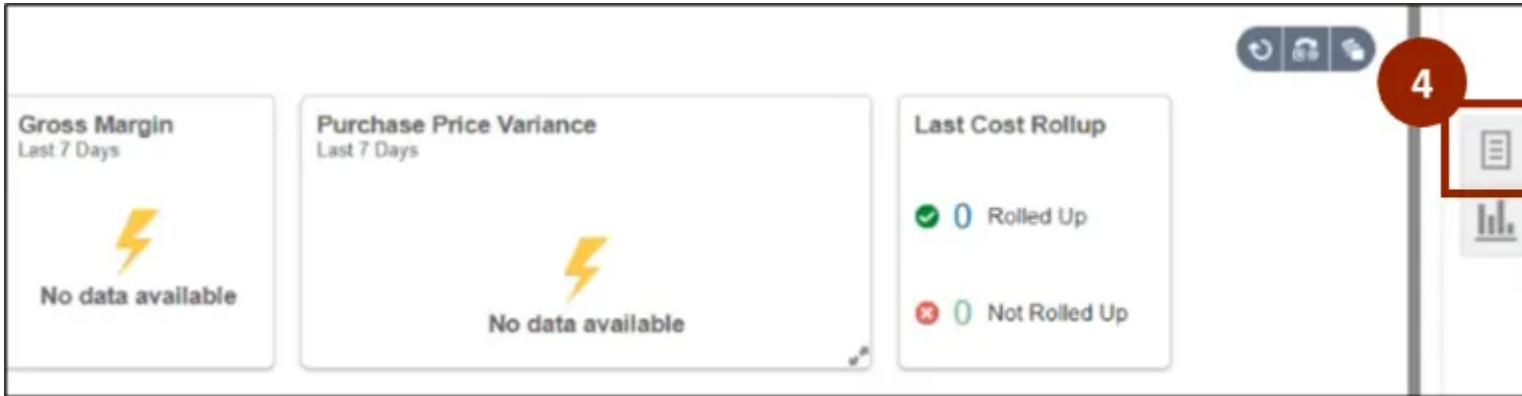
Step 3. Within the **Supply Chain Execution** tab, select **Cost Accounting**.

Image



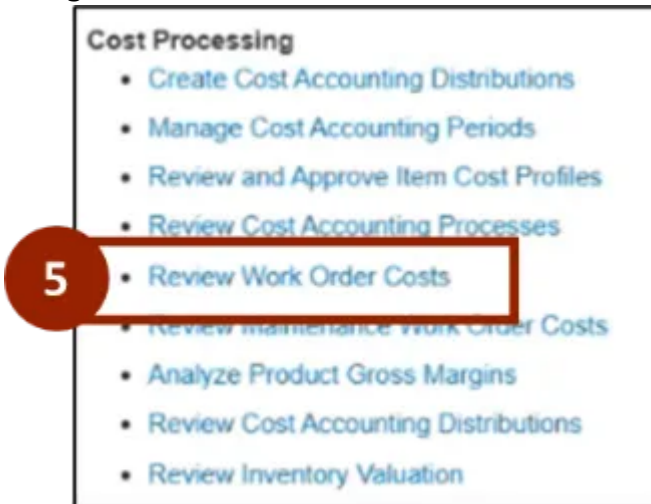
Step 4. On the Cost Accounting Page, navigate to the **Task** icon.

Image



Step 5. Within the **Task** tab, select **Review Work Order Costs**.

Image



Step 6. On the Review Work Order Costs screen, input and/or select the appropriate option from the following:

- Cost Organization: Select **DAC - Cost Organization**
- Cost Book: Select the appropriate **Cost Book**
- Plant

- Primary Output Item
- Work Order Number

Image

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### Review Work Order Costs ?

**Search**

Cost Organization Equals

Cost Book Equals

Primary Book Yes

**\*\* Plant** Equals

**\*\* Primary Output Item** Equals

**\*\* Number** Starts with

Status Equals

Released Date On or after

Step 7. Select **Search**.

Image

Done

Advanced

Saved Search

Application Default

7

Search

Reset

Save...

Step 8. View results from the Review Work Order Costs screen.

Image

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Review Work Order Costs ?

Search

Advanced Saved Search Application Default

Search Results

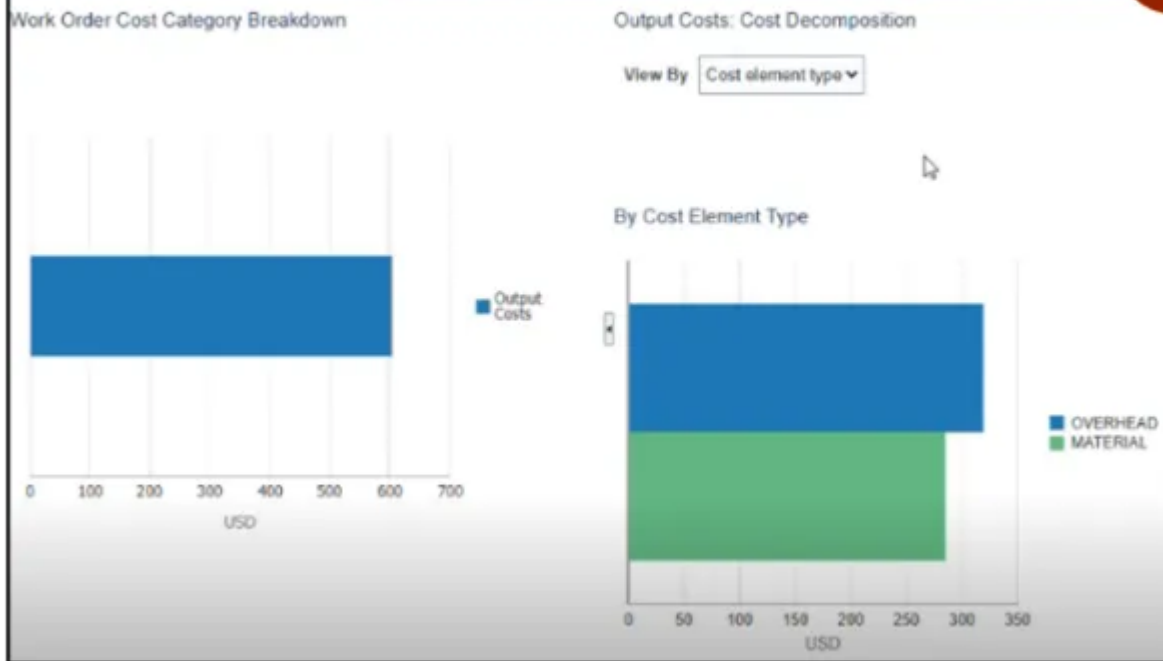
View Format Clear Detach Wrap

View Detailed Balances Review Distributions

| Cost Organization | Cost Book               | Work Order or Flow Schedule Details |        |                 |                 |                     | Amount in Cost Book Currency |               |             |             |                      | Variance Percentage | 5 Percent |
|-------------------|-------------------------|-------------------------------------|--------|-----------------|-----------------|---------------------|------------------------------|---------------|-------------|-------------|----------------------|---------------------|-----------|
|                   |                         | Number                              | Status | Released Date   | Plant           | Primary Output Item | Output Quantity              | Currency Code | Input Costs | WIP Balance | Output Cost per Unit |                     |           |
| DAC - Cost Org... | DAC - Accrual Cost Book | WDW1065                             | Closed | 7/29/25 6:46 AM | ENTERPRISE R... | 0022105             | 2.00000                      | USD           | 100.70      | 0.00        | 50.35105             | 0.00                |           |
| DAC - Cost Org... | DAC - Accrual Cost Book | WDW1064                             | Closed | 7/29/25 3:03 AM | ENTERPRISE R... | 0022105             | 5.00000                      | USD           | 0.00        | 0.00        | 0.00000              |                     |           |

Step 9. Select the **arrow icon** in the Work Order Cost Analysis next to DAC - Cost Organization to view more details.

Image



Step 10. Select and highlight a **Work Order** row.

Step 11. Select **View Detailed Balances**.

Image

Search Results

View ▼ Format ▼ Clear Detach Wrap [View Detailed Balances](#) Review Distributions

Work Order or Flow Schedule Details

| Organization    | Cost Book               | Number                  | Status | Released Date    | Plant           | Primary Output Item |
|-----------------|-------------------------|-------------------------|--------|------------------|-----------------|---------------------|
| > - Cost Org... | DAC - Accrual Cost Book | <a href="#">WDW1065</a> | Closed | 7/29/25 6:46 AM  | ENTERPRISE R... | 0022105             |
| > - Cost Org... | DAC - Accrual Cost Book | <a href="#">WDW1064</a> | Closed | 7/29/25 3:03 AM  | ENTERPRISE R... | 0022105             |
| > - Cost Org... | DAC - Accrual Cost Book | <a href="#">WDW1067</a> | Closed | 7/29/25 10:30 AM | ENTERPRISE R... | 0022105             |
| > - Cost Org... | DAC - Accrual Cost Book | <a href="#">WDW1050</a> | Closed | 7/28/25 6:38 AM  | ENTERPRISE R... | 0022105             |

Step 12. From the Work Order Detailed Balances screen, select the following two tabs to view:

- **Input Costs**
- **Output Costs**

Step 13. Select **Done**.

Image

# Work Order Detailed Balances: WDW1050

Time

13

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## Work Order Details

Cost Organization: DAC - Cost Organization

Cost Book: DAC - Accrual Cost Book

Primary Output Item: 0022165 - CUSTOM OVERSELF

Cost Method: Perpetual average

Plant: ENTERPRISE RM - WOODWORKING

Work Definition: Main

Scenario

WIP Balance: 0.00 USD

Input Costs(\$64.21 USD) Output Costs(\$64.21 USD) Unrecorded Scrap Costs(\$0.00 USD) Variance Amount(\$0.00 USD) Scrap Costs/Allocated into Inventory (\$0.00 USD)

View Format Freeze Detach

| Hierarchy Name                                            | Work Center     | Execution Sequence | Quantity     | Amount in Cost Book Currency ( USD ) | Operation Completion Quantity | UOM Name | Details |
|-----------------------------------------------------------|-----------------|--------------------|--------------|--------------------------------------|-------------------------------|----------|---------|
| Total Input Costs                                         |                 |                    |              | 604.21                               |                               |          |         |
| Operation: 10                                             | CAD-COMPUTER 1  |                    |              | 604.21                               | 5.00000                       | EACH     |         |
| Component: 0004862 - SEALER, NITROCELLULOSE SANDER SEALER |                 |                    | 12 US gallon | 604.21                               |                               |          |         |
| Cost Element Type: Material                               |                 |                    |              | 285.01                               |                               |          |         |
| Cost Element Type: Overhead                               |                 |                    |              | 319.21                               |                               |          |         |
| Resource: COMPUTERS CAD                                   |                 |                    | 5 Hour       | 0.00                                 |                               |          |         |
| Resource: COMPUTERS CLERK                                 |                 |                    | 5 Hour       | 0.00                                 |                               |          |         |
| Resource: LABOR                                           |                 |                    | 5 Hour       | 0.00                                 |                               |          |         |
| Operation: 20                                             | PLANT PRODUCTI  |                    |              | 0.00                                 | 5.00000                       | EACH     |         |
| Operation: 30                                             | FINISHING WC    |                    |              | 0.00                                 | 5.00000                       | EACH     |         |
| Operation: 40                                             | PACKING AND SHI |                    |              | 0.00                                 | 5.00000                       | EACH     |         |

Step 14. Select and highlight a **Work Order Number**.

Step 15. Select **Review Distributions**.

Image

Search Results

View ▼Format ▼

ClearDetach

View Detailed Balances

Review Distributions

15

Work Order or Flow Schedule Details

| Cost Organization | Cost Book               | Number  | Status | Released Date    | Plant           | Primary Output Item |
|-------------------|-------------------------|---------|--------|------------------|-----------------|---------------------|
| Cost Org...       | DAC - Accrual Cost Book | WDW1065 | Closed | 7/29/25 6:46 AM  | ENTERPRISE R... | 0022105             |
| Cost Org...       | DAC - Accrual Cost Book | WDW1064 | Closed | 7/29/25 3:03 AM  | ENTERPRISE R... | 0022105             |
| Cost Org...       | DAC - Accrual Cost Book | WDW1067 | Closed | 7/29/25 10:30 AM | ENTERPRISE R... | 0022105             |
| Cost Org...       | DAC - Accrual Cost Book | WDW1050 | Closed | 7/28/25 6:38 AM  | ENTERPRISE R... | 0022105             |

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Step 16. From the Review Cost Accounting Distribution screen ensure you select the **Cost Transaction** tab to view details related to materials.

Step 17. Select **View Details**.

Image

Review Cost Accounting Distributions ?

Run Cost Distribution Details Report Done

\* Search By Reference Number

Search by reference number such as purchase order, transfer order, sales order, work order, or transaction reference

Search: By Reference Number

Cost Organization Equals

Cost Book Equals

\* Reference Number Equals

Transaction Date On or after m/d/yyyy

Search Reset

Search Results

Cost Transactions Cost Adjustments COGS Transactions Work Order Transactions

Actions View Format Freeze Detach Wrap View Details

Transaction Details Costing Details

| Cost Organization       | Cost Book     | Inventory Organization | Costing Status | Accounting Status | Item    | Transaction Type               | Transaction Number | Date            | Transaction Quantity or Amount | Transaction UOM | Transaction Currency | Reference Type |
|-------------------------|---------------|------------------------|----------------|-------------------|---------|--------------------------------|--------------------|-----------------|--------------------------------|-----------------|----------------------|----------------|
| DAC - Cost Organization | DAC - Accr... | ENTERPRISE ...         | Fully costed   | Final accou...    | 0094862 | Work in Process Material Issue | Work order ...     | 7/28/25 6:48 AM | -12                            | US gallon       |                      | Work order     |

Step 18. View results.

Note: From this view you can determine the **Perpetual Average Cost** and **Overhead**.

Step 19. Select **Done**.

Image

Details: DAC - Cost Organization, DAC - Accrual Cost Book, Work in Process Material Issue, Work order - WDW1050, 35968597, Fully costed

Next

0004862, Work order-9759105 : Depletion Layers

View ▼ Format ▼ Freeze Detach Wrap

| Layer | Source           | Document Number | Reference Type       | Reference Number | Quantity or Amount | Costing UOM | Costed Date      |
|-------|------------------|-----------------|----------------------|------------------|--------------------|-------------|------------------|
| 1     | NC Direct Return | 9752202         | Miscellaneous acc... | 9752202          | -12.00000          | US gallon   | 7/28/25 10:40 AM |

Columns Hidden 2

Depletion Layer 1 : Details

Cost Information Cost Distributions Transaction Errors Journal Entries

View ▼ Format ▼ Freeze Detach Wrap

| Cost Source            | Cost Reference        | Cost Component                     | Cost Element Type | Cost Element | Unit Cost   |
|------------------------|-----------------------|------------------------------------|-------------------|--------------|-------------|
| Perpetual average cost | 2025-07-28 09:48:52   |                                    | Material          | Item Price   | 23.75050USD |
| Overhead               | DAC_MFGOH_428136R_ACC | 112Percentage value / Material ... | Overhead          | Overhead     | 26.60056USD |

Step 20. Select and highlight a **Work Order** row.

Step 21. Select **View Details**.

Image

Search Results

● Cost Transactions Cost Adjustments COGS Transactions ● Work Order Transactions

Actions ▾ View ▾ Format ▾ Freeze Detach Wrap View Details 21

Transaction Details Costing Details

| Cost Organization       | Cost Book     | Inventory Organization | Costing Status | Accounting Status | Item    | Transaction Type                   |
|-------------------------|---------------|------------------------|----------------|-------------------|---------|------------------------------------|
| DAC - Cost Organization | DAC - Accr    | ENTERPRISE             | Fully costed   | Final accou...    | 0004862 | Work in Process Material Issue     |
| DAC - Cost Organization | DAC - Accr... | ENTERPRISE...          | Fully costed   | Final accou...    | 0022105 | Work in Process Product Completion |

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Step 22. View results.

Note: From this view you can view the Cost Element Type as **Material** and **Overhead**.

Step 23. Select **Done**.

Note: From the Cost Information tab, you can view the Cost Source for the transaction.

Image

Details: DAC - Cost Organization, DAC - Accrual Cost Book, Work in Process Product Completion, Work order - WDW1050, 35968600, Fully costed

Previous

0022105, Work order-9759106 : Receipt Layers

View Format Freeze Detach Wrap

| Layer | Source                             | Document Number | Reference Type | Reference Number | Quantity or Amount | Costing UOM | Costed Date      |
|-------|------------------------------------|-----------------|----------------|------------------|--------------------|-------------|------------------|
| 1     | Work in Process Product Complet... | 9759106         | Work order     | WDW1050          | 5.00000            | EACH        | 7/28/25 10:59 AM |

Columns Hidden: 2

Receipt Layer 1 : Details

Cost Information Cost Distributions Transaction Errors Journal Entries

View Format Freeze Detach Wrap

| Cost Source | Cost Reference | Cost Component | Cost Element Type | Cost Element | Unit Cost   |
|-------------|----------------|----------------|-------------------|--------------|-------------|
| Work order  | WDW1050        |                | Material          | Item Price   | 57.00119USD |
| Work order  | WDW1050        |                | Overhead          | Overhead     | 63.84134USD |

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23 Done

To view Work Order Resource Transactions.

Step 24. Select and highlight the **Work Order Number**.

Step 25. Select the **Work Order Transactions**.

Image

Search Results

[Cost Transactions](#)
[Cost Adjustments](#)
[COGS Transactions](#)
[Work Order Transactions](#)

Actions ▾ View ▾ Format ▾ **Freeze** Detach Wrap **View Details**

Transaction Details Costing Details

| Cost Organization       | Cost Book     | Inventory Organization | Costing Status | Accounting Status | Item     | Transaction Type                   |
|-------------------------|---------------|------------------------|----------------|-------------------|----------|------------------------------------|
| DAC - Cost Organization | DAC - Accr... | ENTERPRISE ...         | Fully costed   | Final accou...    | P0004862 | Work in Process Material Issue     |
| DAC - Cost Organization | DAC - Accr... | ENTERPRISE ...         | Fully costed   | Final accou...    | P0022105 | Work in Process Product Completion |

Step 26. View transactions for labor and equipment resources.

Image

Search Results

[Cost Transactions](#)
[Cost Adjustments](#)
[COGS Transactions](#)
[Work Order Transactions](#)

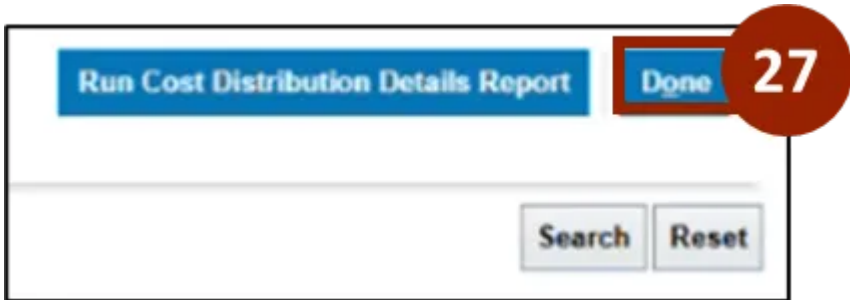
Actions ▾ View ▾ Format ▾ **Freeze** Detach Wrap **View Details**

Transaction Details Costing Details

| Cost Organization       | Cost Book     | Costing Status | Accounting Status | Item     | Resource | Transaction Details        |                    |                  |                                |                 |                      |                |
|-------------------------|---------------|----------------|-------------------|----------|----------|----------------------------|--------------------|------------------|--------------------------------|-----------------|----------------------|----------------|
|                         |               |                |                   |          |          | Transaction Type           | Transaction Number | Transaction Date | Transaction Quantity or Amount | Transaction UOM | Transaction Currency | Reference Type |
| DAC - Cost Organization | DAC - Accr... | Fully costed   | Final accou...    | P0022105 | LABOR    | Work in Process Resourc... | 29039              | 7/28/25 6:40 AM  | 5                              | Hour            |                      | Work order     |
| DAC - Cost Organization | DAC - Accr... | Fully costed   | Final accou...    | P0022105 | LABOR    | Work in Process Resourc... | 29037              | 7/28/25 6:40 AM  | 5                              | Hour            |                      | Work order     |
| DAC - Cost Organization | DAC - Accr... | Fully costed   | Final accou...    | P0022105 | LABOR    | Work in Process Resourc... | 29040              | 7/28/25 6:40 AM  | 5                              | Hour            |                      | Work order     |

Step 27. Select **Done**.

Image

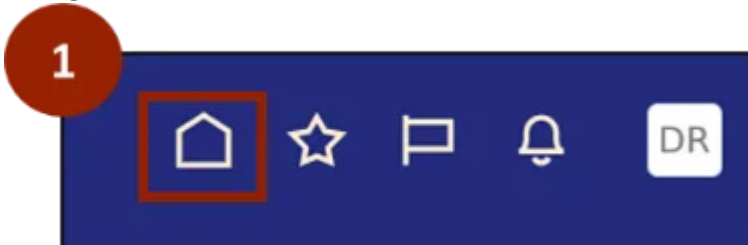


## WIP Inventory Value Report

There are 15 steps to complete this process.

Step 1. Begin from the Home page, or click the **Home** icon.

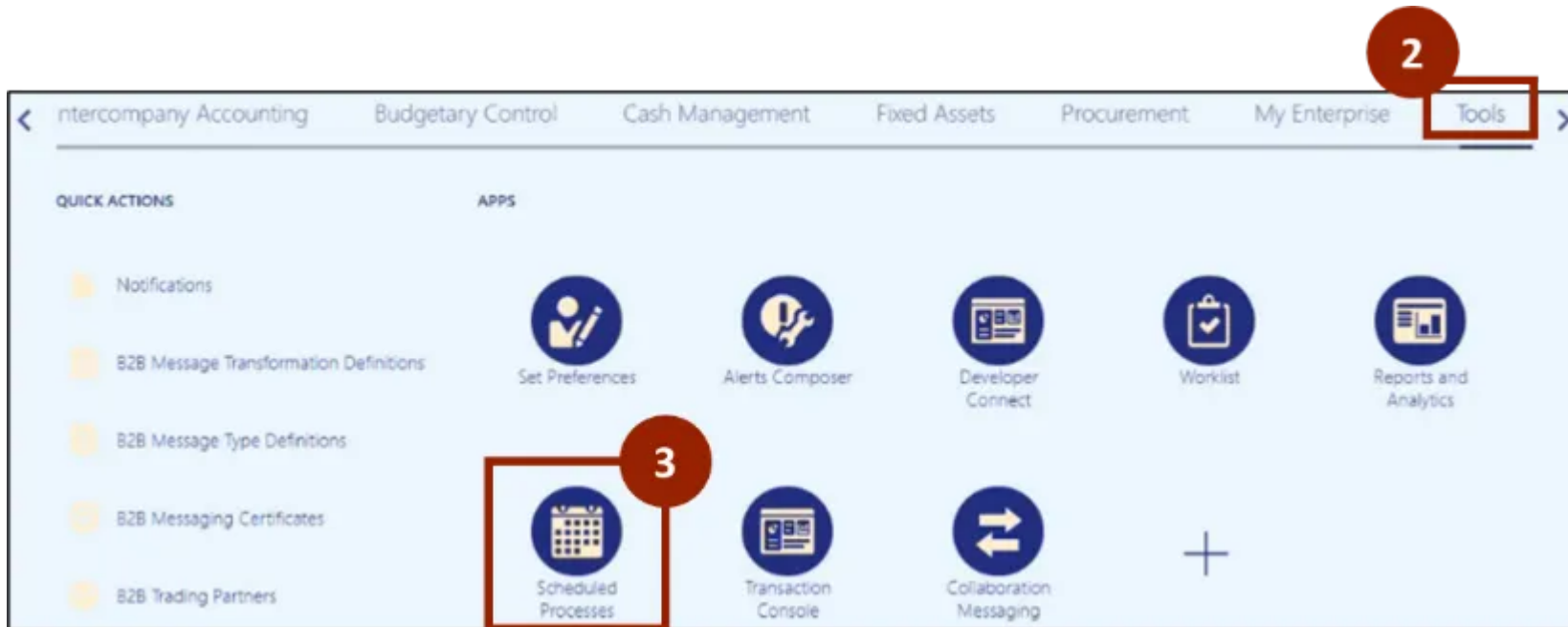
Image



Step 2. On the Home page, select **Tools**.

Step 3. Within the Tools, select **Scheduled Processes**.

Image

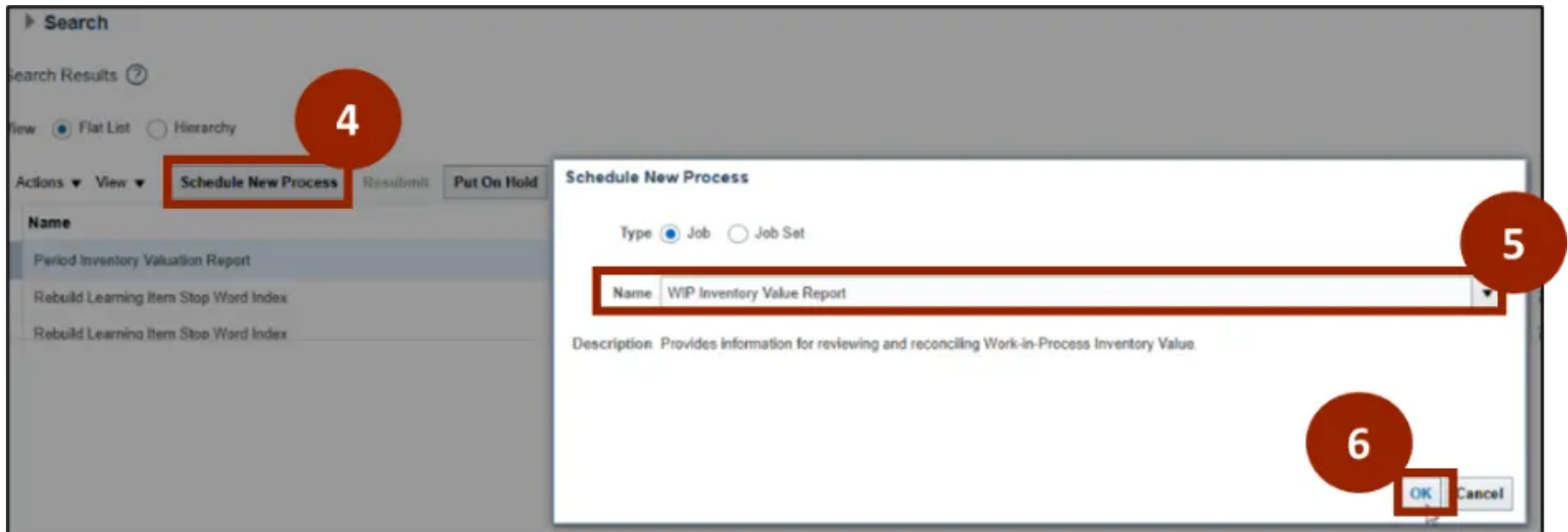


Step 4. Select **Schedule New Process**.

Step 5. Type **WIP Inventory Value Report** into the Name box.

Step 6. Select **OK**.

Image



Step 7. On the Process Details screen, input and/or select the appropriate option from the following:

- Cost Organization: Select **DAC - Cost Organization**
- Cost Book: Select the appropriate **Cost Book**
- Plant
- Valuation Basis
- Value As-Of Date

Step 8. Select **Submit**.

Image

**Process Details**

This process will be queued up for submission at position 1

**Process Options** **Advanced** **Submit** **Cancel**

Name: WIP Inventory Value Report ☐ Print output

Description: Provides information for reviewing and reconcil... ☐ Notify me when this process ends

Schedule: As soon as possible Submission Notes:

**Basic Options**

Parameters

\* Cost Organization

\* Cost Book

Plant

Work Method

Work Order Type

Work Order Subtype

\* Valuation Basis: Costed

From Item Category

To Item Category

To Item

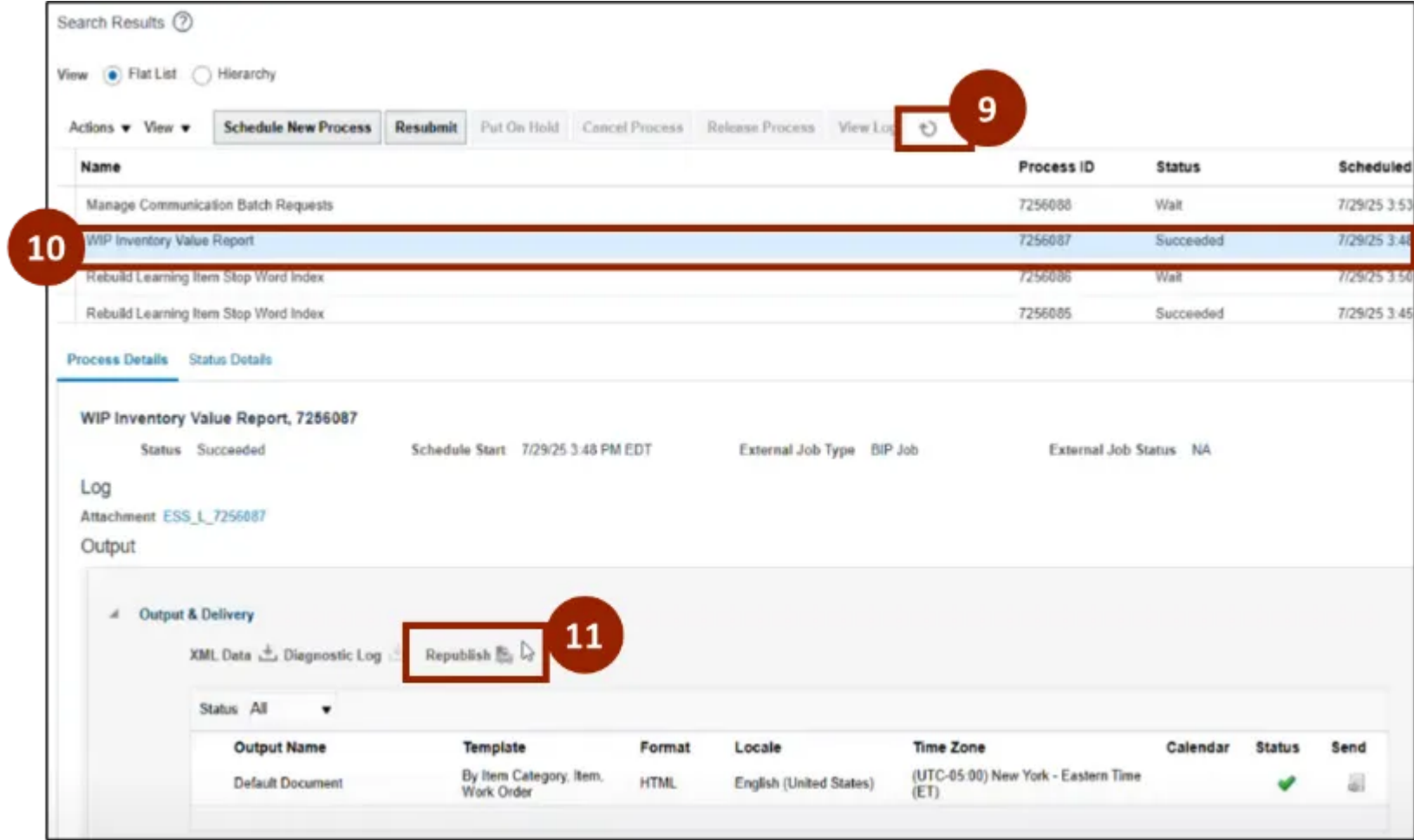
From Item

Step 9. Click in the **Refresh** icon until the Status is Succeeded.

Step 10. Select and highlight the succeeded row **WIP Inventory Value Report**.

Step 11. Select **Republish**.

Image



Step 12. Select the desired view to see report results

Step 13. Select the **Report** icon.

Step 14. Select **PDF**.



## Wrap-Up

NCFS users can reference Manufacturing Costing using the steps above.

## Additional Resources

- Virtual Instructor Led Training (vILT)
  - [MFG111: Manage Costing 2](#)

## First Published

Mon, 11/17/2025

## Last Updated

Mon, 11/17/2025

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