

Crowe Subcontracting Accelerator: User Guide

Microsoft Dynamics 365 for Finance and Operations

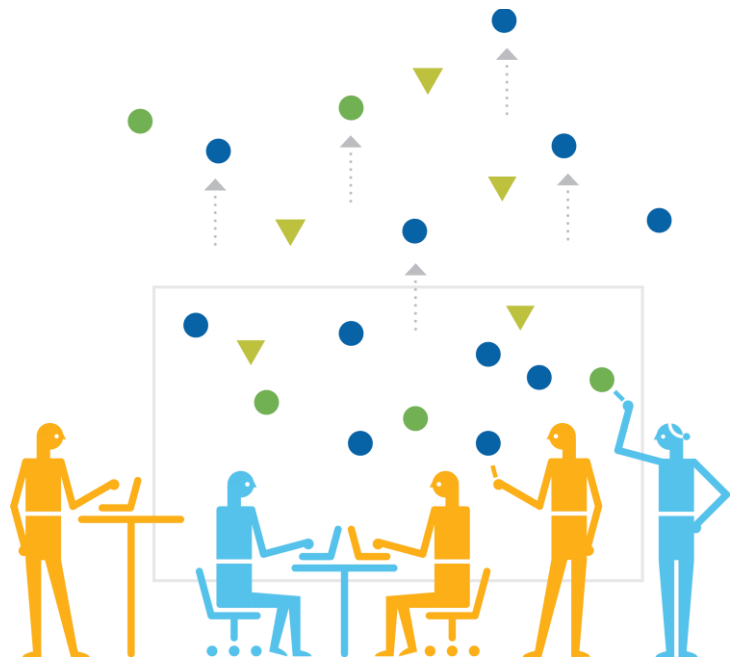


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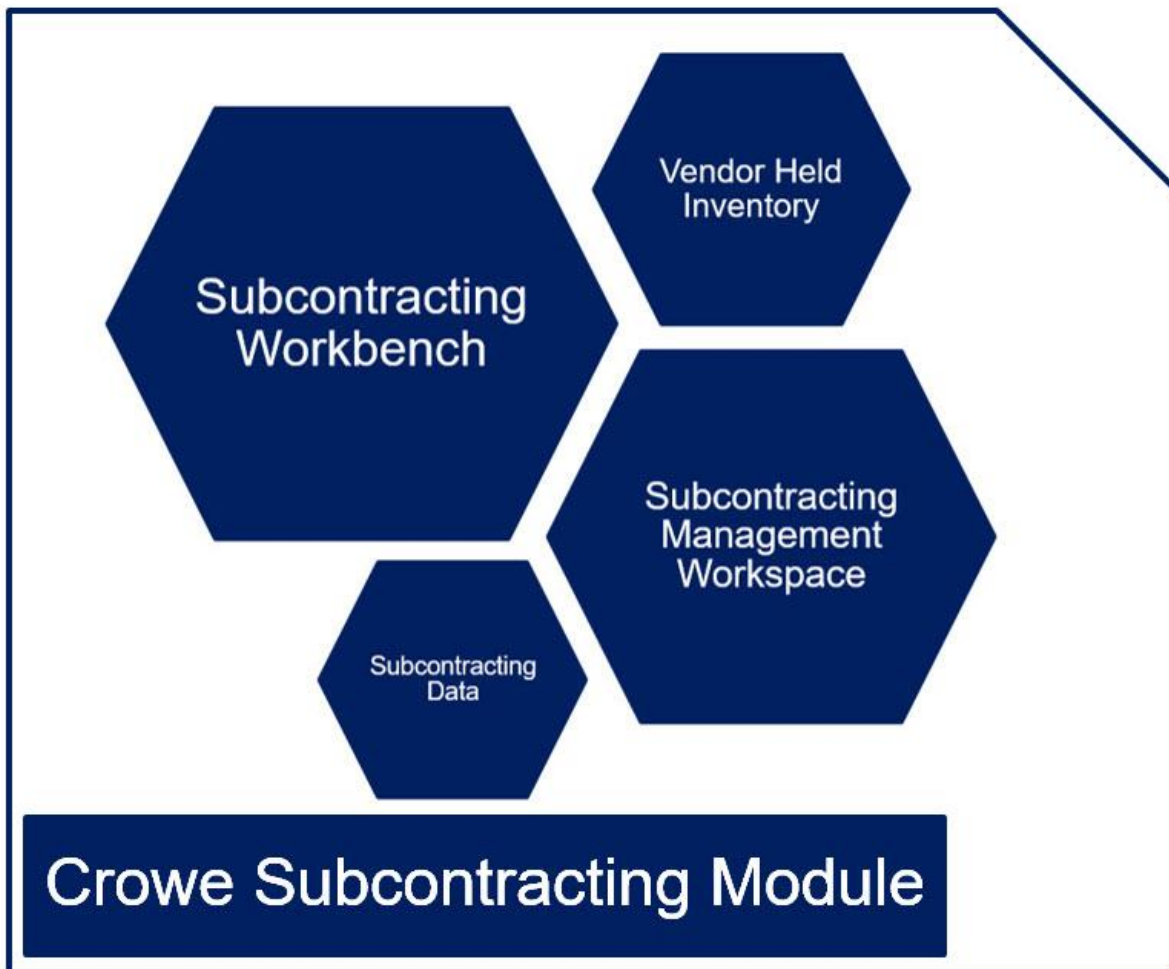
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Introduction

Solution Overview

The Crowe Subcontracting Accelerator (CSA) allows users to effectively manage their subcontracting processes from a single, easy-to-use module. CSA enables users to execute the subcontracting process by managing subcontracting data, streamlining journal postings, and providing visibility to subcontracting transactional history.

Core components:

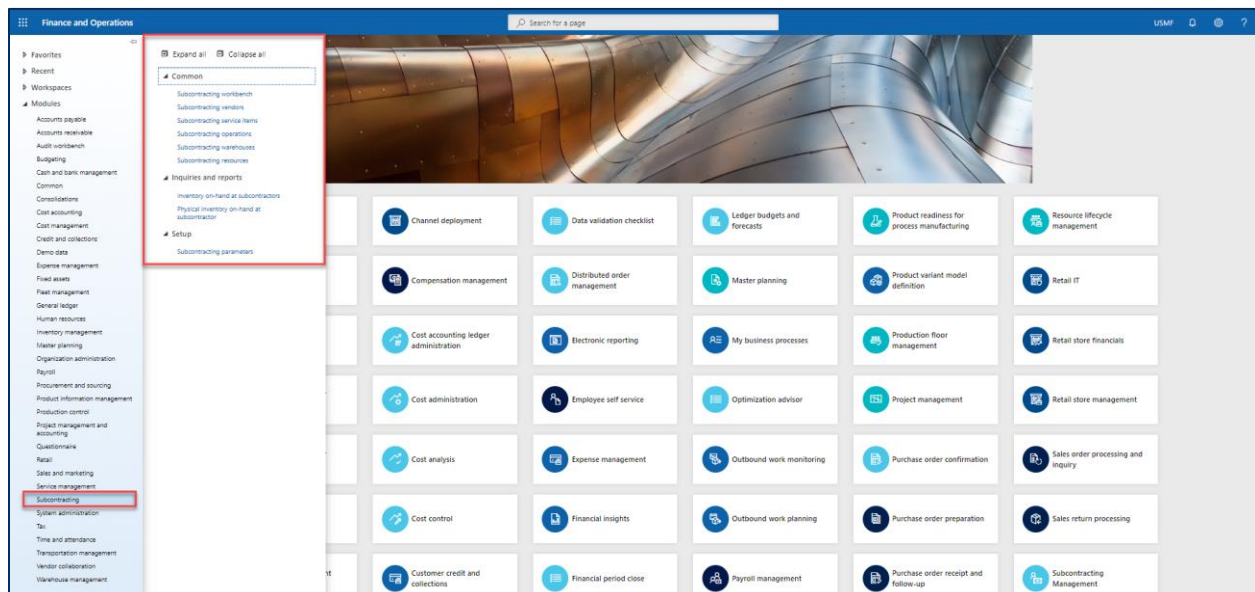


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Subcontracting Module

The Subcontracting module centralizes crucial data and houses the menu items essential to complete and manage subcontracting processes. The module is comprised of the below menu items that will be individually outlined in subsequent sections of this document:

1. Common
 - a. Subcontracting workbench
 - b. Subcontracting vendors
 - c. Subcontracting service items
 - d. Subcontracting operations
 - e. Subcontracting warehouses
 - f. Subcontracting resources
2. Inquiries
 - a. Inventory on-hand at subcontractors
 - b. Physical inventory on-hand at subcontractors
3. Setup
 - a. Subcontracting parameters



Subcontracting workbench

The Subcontracting workbench allows users to effectively manage their subcontracting orders from a single, easy-to-use form. The Subcontracting workbench enables users to complete the subcontracting process by streamlining journal postings, all while providing additional visibility to an orders transactional history.

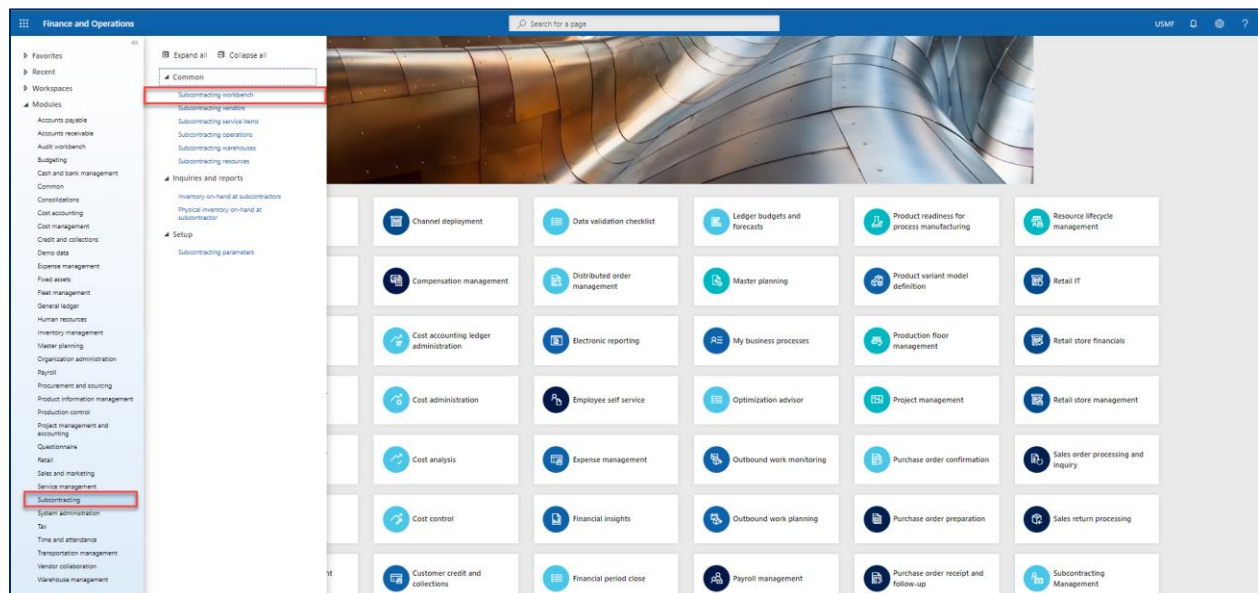
Features

1. View Purchase and Production order data within a single form
2. Confirm purchase orders
3. Consume material, post product receipts, and report finished goods in a single step
4. Review all subcontracting markings, history, transactions, and journals from a single workbench

Benefits

1. Reduce time spent navigating between multiple forms
2. Streamline day-to-day review of subcontracting order status and vendor held inventory
3. More effectively manage subcontracting order information
4. Gain a holistic view of subcontracting order status and history

Navigation path: Subcontracting > Common > Subcontracting workbench



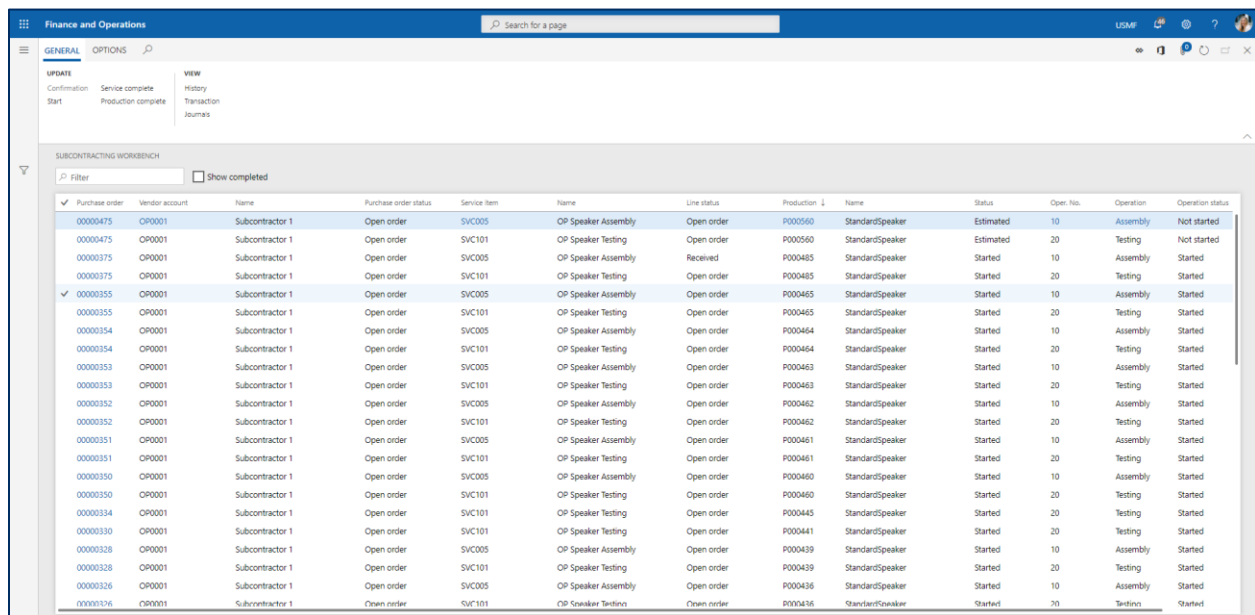
Workbench

The **Subcontracting workbench** displays Purchase order lines with associated Production orders with an Operation status of Not started or Started (there is also an option to show Completed operations). The form allows users to complete Purchase and Production orders from the list view, or dive into each record for a more detailed view.

Action pane

The **action pane** provides links to key forms to complete purchasing and production processes. Also included are forms to view order History, Transactions, and Journals. The Action pane contains the same functionality at both the record and record details levels.

Subcontracting workbench grid



Purchase order	Vendor account	Name	Purchase order status	Service item	Name	Line status	Production	Name	Status	Open No.	Operation	Operation status
00000475	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000560	StandardSpeaker	Estimated	10	Assembly	Not started
00000475	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000560	StandardSpeaker	Estimated	20	Testing	Not started
00000375	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Received	P000485	StandardSpeaker	Started	10	Assembly	Started
00000375	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000485	StandardSpeaker	Started	20	Testing	Started
00000355	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000465	StandardSpeaker	Started	10	Assembly	Started
00000355	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000465	StandardSpeaker	Started	20	Testing	Started
00000354	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000464	StandardSpeaker	Started	10	Assembly	Started
00000354	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000464	StandardSpeaker	Started	20	Testing	Started
00000353	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000463	StandardSpeaker	Started	10	Assembly	Started
00000353	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000463	StandardSpeaker	Started	20	Testing	Started
00000352	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000462	StandardSpeaker	Started	10	Assembly	Started
00000352	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000462	StandardSpeaker	Started	20	Testing	Started
00000351	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000461	StandardSpeaker	Started	10	Assembly	Started
00000351	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000461	StandardSpeaker	Started	20	Testing	Started
00000350	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000460	StandardSpeaker	Started	10	Assembly	Started
00000350	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000460	StandardSpeaker	Started	20	Testing	Started
00000344	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000445	StandardSpeaker	Started	20	Testing	Started
00000330	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000441	StandardSpeaker	Started	20	Testing	Started
00000328	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000439	StandardSpeaker	Started	10	Assembly	Started
00000328	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000439	StandardSpeaker	Started	20	Testing	Started
00000326	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000436	StandardSpeaker	Started	10	Assembly	Started
00000326	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000436	StandardSpeaker	Started	20	Testing	Started

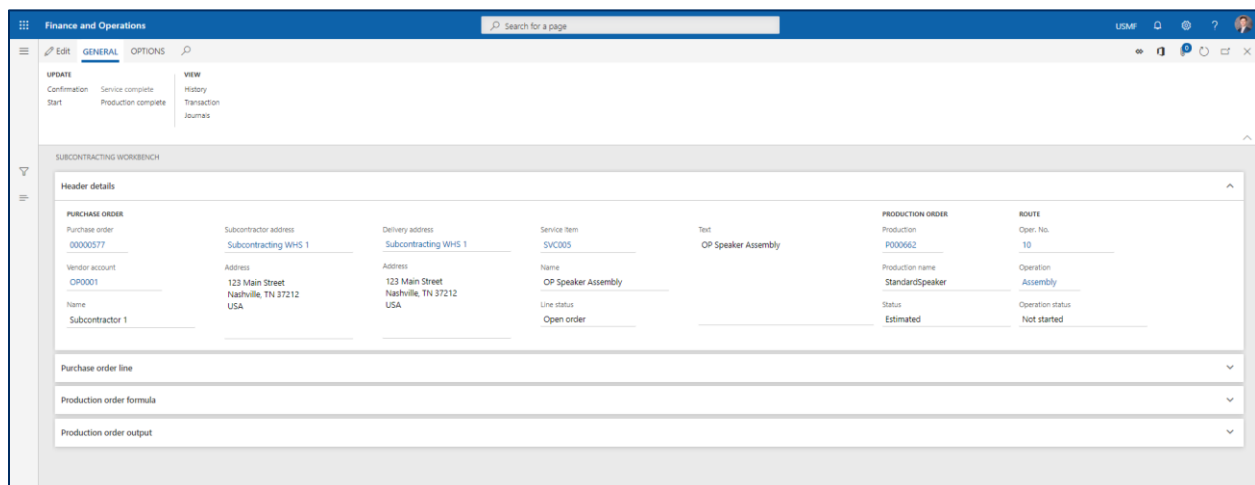
Field	Description
Purchase order	Purchase order number for the related purchase order line
Vendor account	Vendor account on the Purchase order
Name	Vendor name on the Purchase order
Document status	The document status of the Purchase order

Service item	The service item on the Purchase order line
Name	The Product name of the service item
Line status	The Line status of the Purchase order lines
Production	Production order referenced on the Purchase order
Name	Product name of the material being produced
Oper. No.	The operation number related to the Purchase order line
Operation	Operation name
Operation status	Status of operation shown as Not started, Started, or Completed

Subcontracting order details

Selecting a record's Purchase order number will open the Subcontracting order details. The Subcontracting order details contains fast tabs for the below:

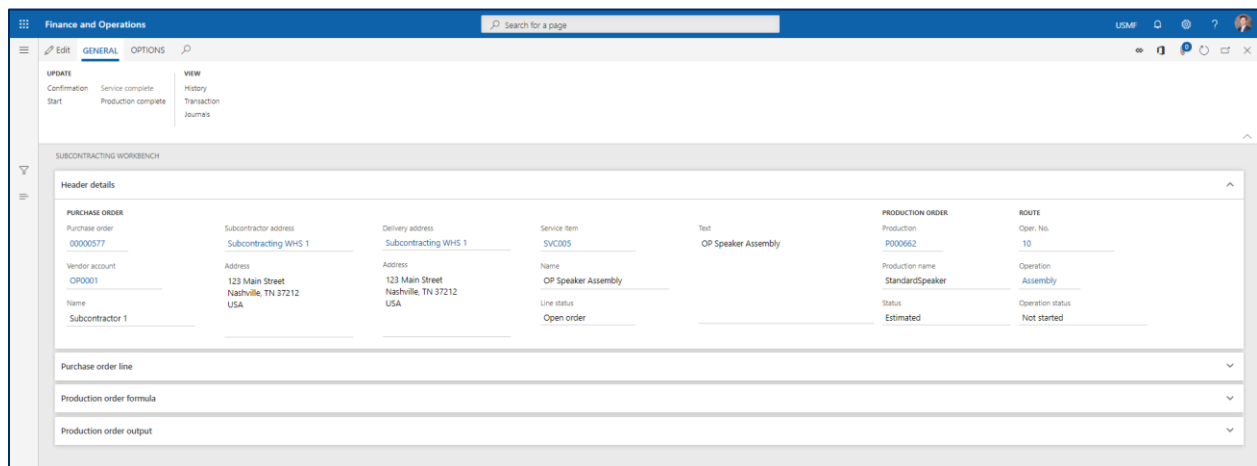
1. Header details
2. Purchase order line
3. Production order formula
4. Production order output



The screenshot shows the 'Subcontracting order details' form within the 'Finance and Operations' application. The form is divided into several sections:

- Header details:** This section contains fields for 'PURCHASE ORDER' (Purchase order: 0000577, Vendor account: OP001, Name: Subcontractor 1), 'Subcontractor address' (Subcontracting WHS 1, Address: 123 Main Street, Nashville, TN 37212, USA), 'Delivery address' (Subcontracting WHS 1, Address: 123 Main Street, Nashville, TN 37212, USA), 'Service item' (SVC005, Name: OP Speaker Assembly, Line status: Open order), 'PRODUCTION ORDER' (Production: P000662, Production name: StandardSpeaker, Status: Estimated), and 'ROUTE' (Oper. No.: 10, Operation: Assembly, Operation status: Not started).
- Purchase order line:** A dropdown menu.
- Production order formula:** A dropdown menu.
- Production order output:** A dropdown menu.

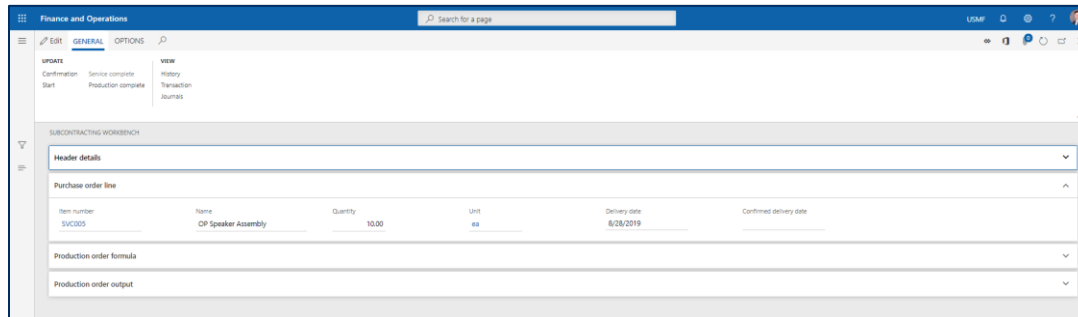
Header details



Field	Description
Purchase order	Purchase order number for the related purchase order line
Vendor account	Vendor account on the Purchase order
Name	Vendor name on the Purchase order
Document status	The document status of the Purchase order
Service item	The service item on the Purchase order line
Name	The Product name of the service item
Line status	The Line status of the Purchase order lines
Production	Production order referenced on the Purchase order
Name	Product name of the material being produced
Oper. No.	Operation number from the production BOM line.
Operation	Operation name
Operation status	Status of operation shown as Not started, Started, or Completed

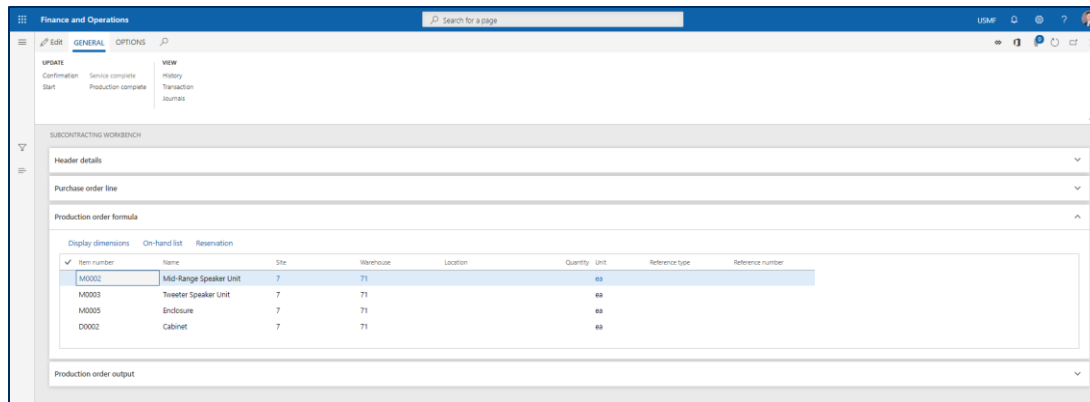
Purchase order line

Contains the Purchase order line details with reference to the associated Production order

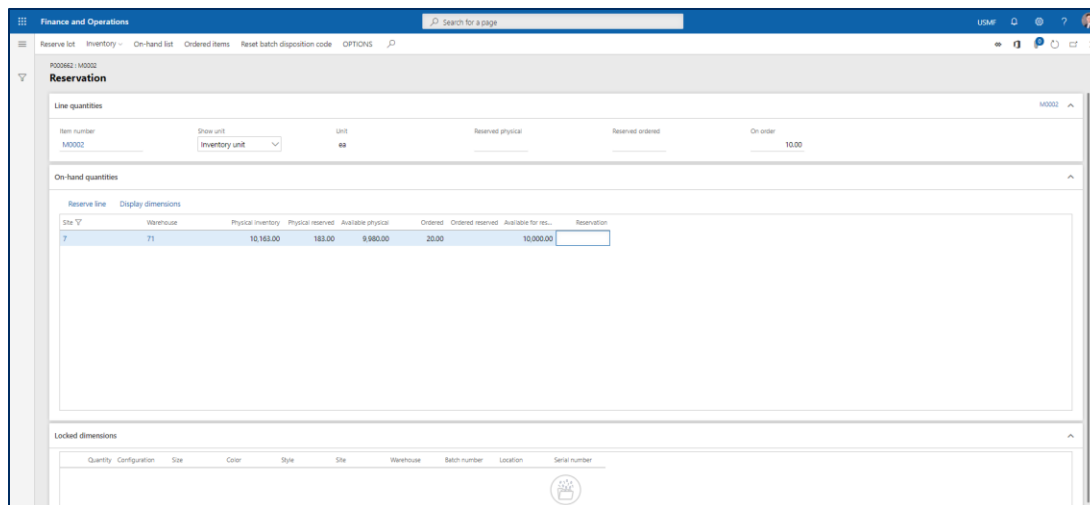


Production order formula

Contains the Formula/BOM lines on the Production order

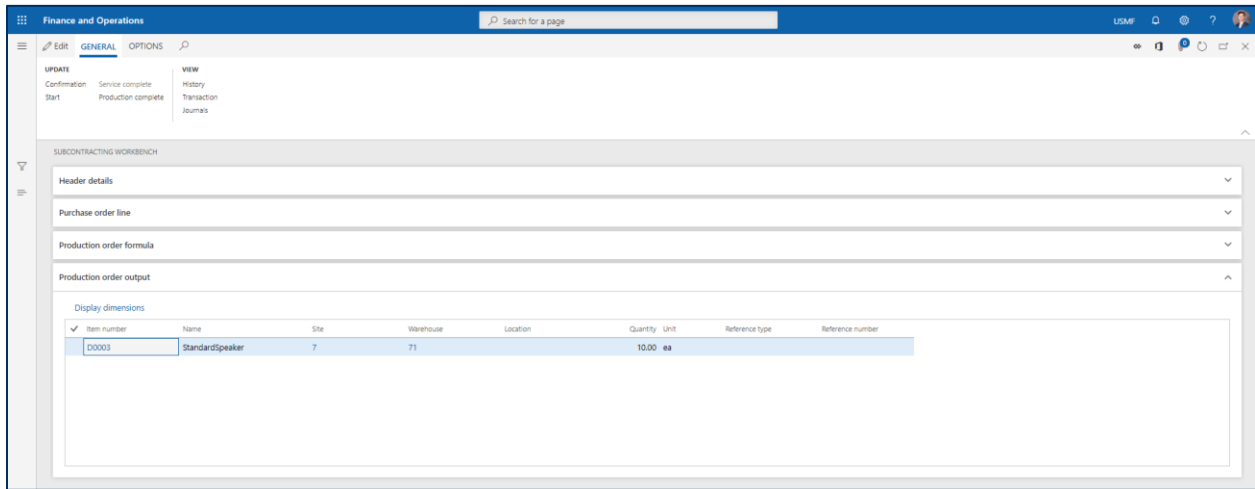


Selecting the **“Reservation”** button opens the standard D365 functionality for reservation changes



Production order output

Contains the expected output of the Production order



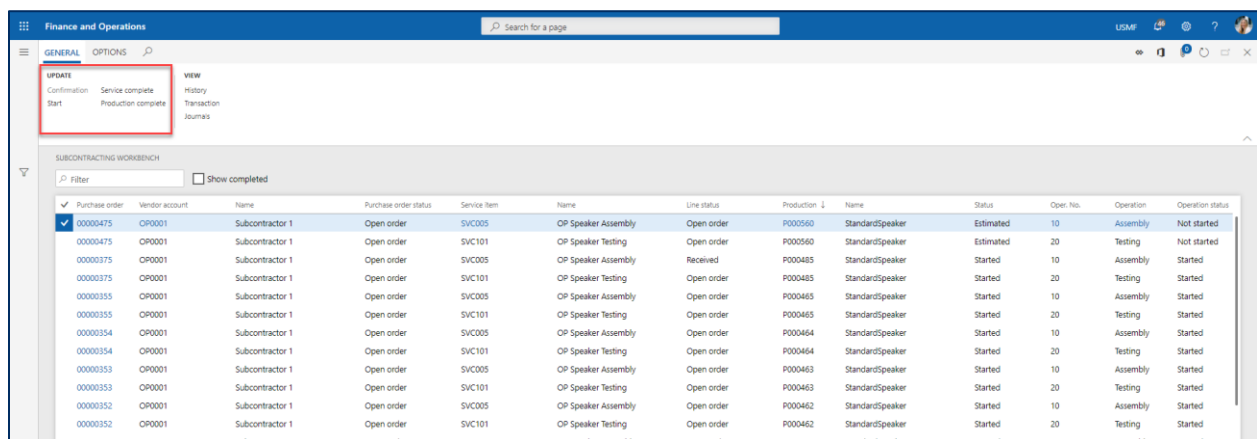
The screenshot displays the 'Production order output' section within the CSA application. The interface includes a top navigation bar with 'Finance and Operations' and a search bar. Below the navigation bar, there are tabs for 'UPDATE' (Confirmation, Start, Service complete, Production complete) and 'VIEW' (History, Transaction, Journals). The main content area is titled 'SUBCONTRACTING WORKBENCH' and contains several expandable sections: 'Header details', 'Purchase order line', 'Production order formula', and 'Production order output'. The 'Production order output' section is expanded, showing a table with the following data:

Item number	Name	Site	Warehouse	Location	Quantity	Unit	Reference type	Reference number
00003	Standardspeaker	7	71		10.00	ea		

Subcontracting workbench business logic

Under the Update section of the Action pane, there are links buttons to execute specific postings for both the Purchase and Production orders. Each button is listed below with their related order:

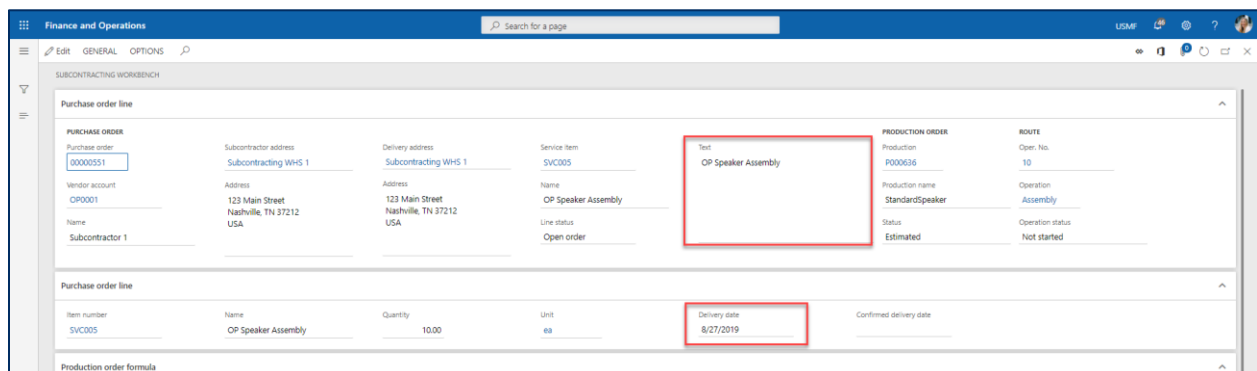
1. Confirmation – Purchase order
2. Start – Production order
3. Service complete – Purchase order
4. Production complete – Production order



Purchase order	Vendor account	Name	Purchase order status	Service item	Name	Line status	Production	Name	Status	Oper. No.	Operation	Operation status
00000475	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000560	StandardSpeaker	Estimated	10	Assembly	Not started
00000475	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000560	StandardSpeaker	Estimated	20	Testing	Not started
00000375	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Received	P000485	StandardSpeaker	Started	10	Assembly	Started
00000375	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000485	StandardSpeaker	Started	20	Testing	Started
00000355	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000465	StandardSpeaker	Started	10	Assembly	Started
00000355	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000465	StandardSpeaker	Started	20	Testing	Started
00000354	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000464	StandardSpeaker	Started	10	Assembly	Started
00000354	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000464	StandardSpeaker	Started	20	Testing	Started
00000353	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000463	StandardSpeaker	Started	10	Assembly	Started
00000353	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000463	StandardSpeaker	Started	20	Testing	Started
00000352	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000462	StandardSpeaker	Started	10	Assembly	Started
00000352	OP0001	Subcontractor 1	Open order	SVC101	OP Speaker Testing	Open order	P000462	StandardSpeaker	Started	20	Testing	Started

Confirmation

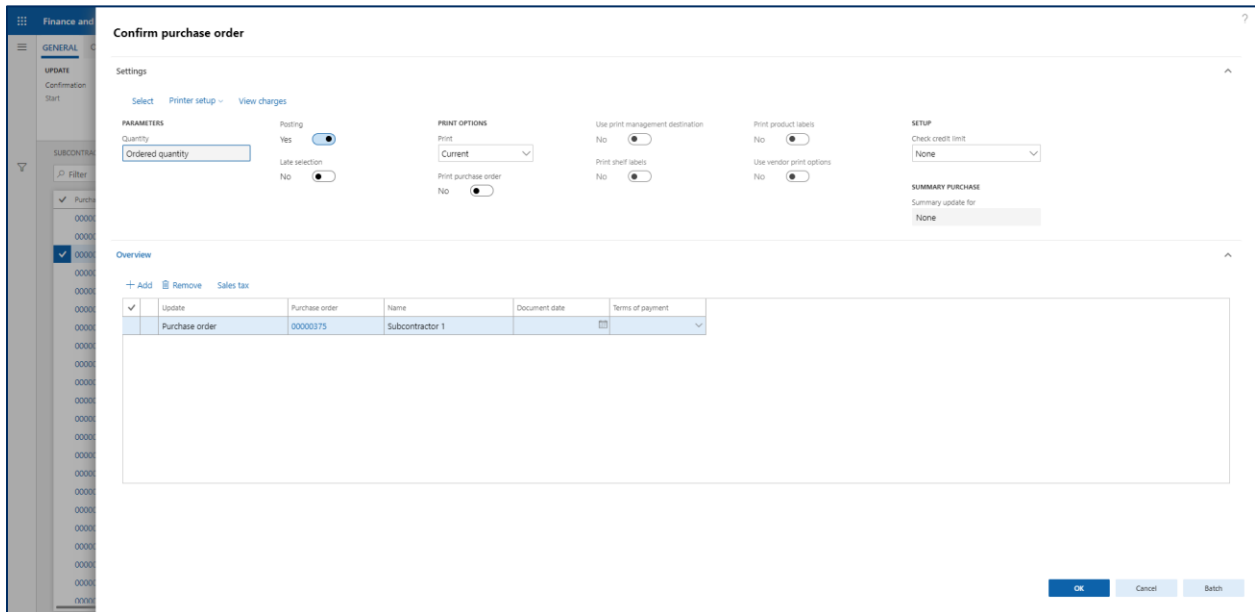
Prior to Confirmation, the user has the ability to (1) edit order text and (2) edit the delivery date of the purchase order line.



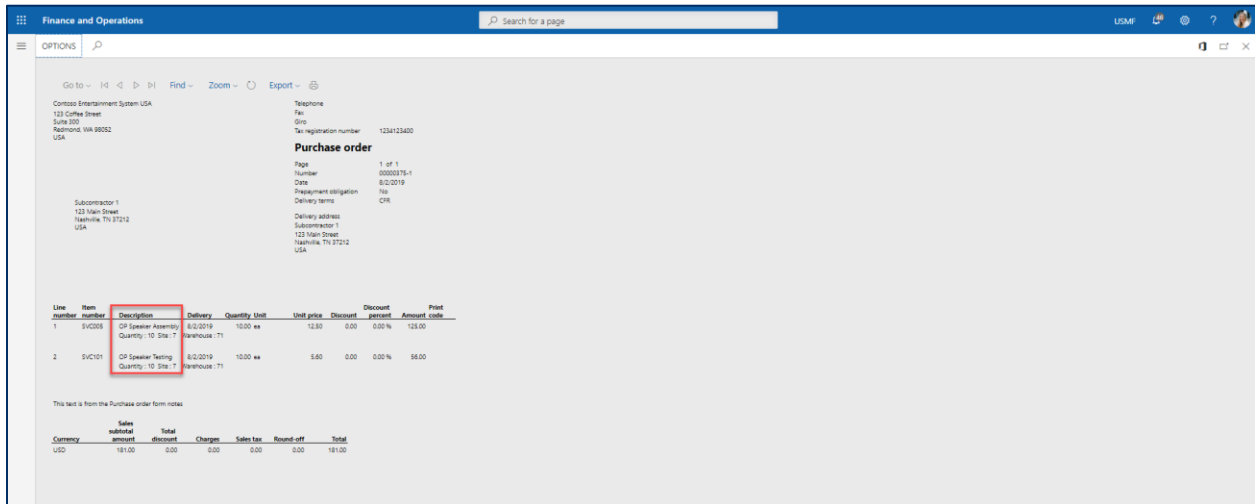
PURCHASE ORDER				PRODUCTION ORDER		ROUTE	
Purchase order	Subcontractor address	Delivery address	Service item	Production	Oper. No.		
00000351	Subcontracting WHS 1	Subcontracting WHS 1	SVC005	P000636	10		
Vendor account	Address	Address	Name	Production name	Operation		
OP0001	123 Main Street Nashville, TN 37212 USA	123 Main Street Nashville, TN 37212 USA	OP Speaker Assembly	StandardSpeaker	Assembly		
Name			Line status	Status	Operation status		
Subcontractor 1			Open order	Estimated	Not started		

Purchase order line			
Item number	Name	Quantity	Unit
SVC005	OP Speaker Assembly	10.00	ea
			Delivery date
			8/27/2019
			Confirmed delivery date

Selecting confirmation will open the “Confirm purchase order” form, which leverages standard D365 confirmation functionality.



The updates to the Subcontracting workbench can be seen on the Purchase order confirmation with the (1) text field showing as the Description on the Confirmation line



Line	Item	Description	Delivery	Quantity	Unit	Unit price	Discount	Discount percent	Amount	Unit
1	CP Speaker Assembly	Quantity: 10 Site: 7	Warehouse: 71	10.00	ea	12.00	0.00	0.00 %	120.00	
2	CP Speaker Testing	Quantity: 10 Site: 7	Warehouse: 71	10.00	ea	5.80	0.00	0.00 %	58.00	

Currency	Sales subtotal	Total amount	Charges	Sales tax	Round-off	Total
USD	181.00	0.00	0.00	0.00	0.00	181.00

Production

The **Subcontracting workbench** gives the user the benefits of a more streamlined process while offering the flexibility to complete multiple order types. The production operations Start, Service complete, and Production complete give the user the ability to consume parent material, record services as completed, and report finished goods. Note that Service complete is only available for multi-operation production orders as Production complete also posts the Product receipt for the final Operation.

The scenarios covered below include:

1. Single Operation Production
 - a. Start > Production complete
 - b. Production complete directly
2. Multiple Operation Production (process used for intermediate operations)
 - a. Start > Service complete
 - b. Service complete directly

Single Operation Production

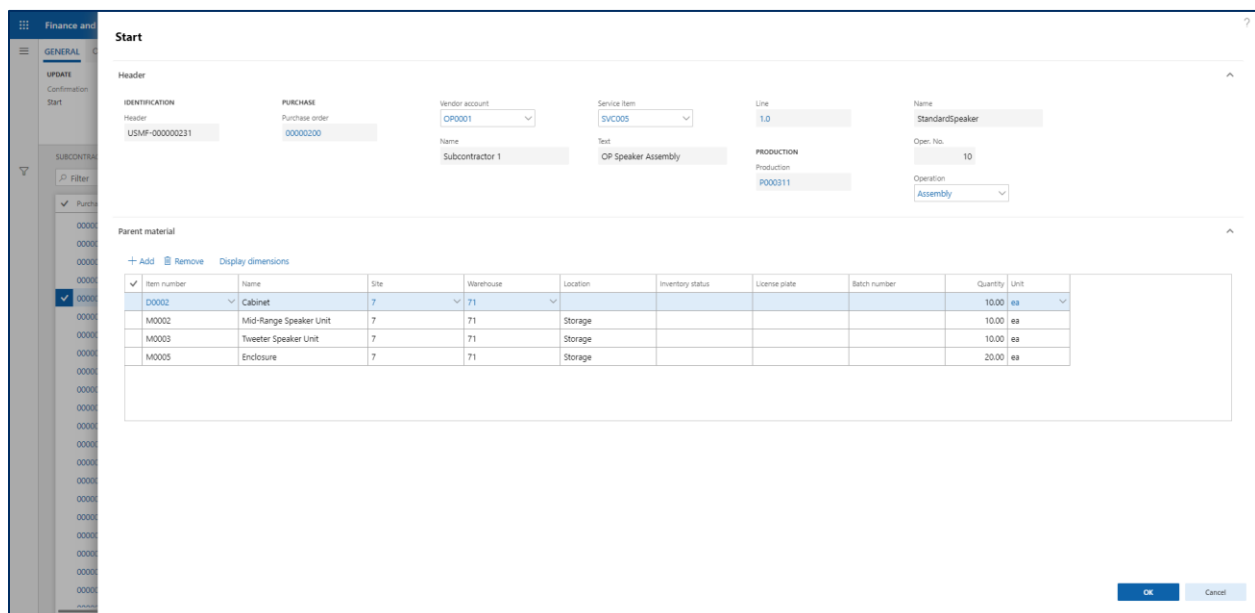
In a Single Operation Production order, the user can either:

1. Start the order and consume the parent material, recording production output later via Production complete
2. Consume parent material and record production in a single step via Production complete

Start > Production complete

Start

The start form contains the Header details, Parent material, and serves as a Picklist



Start

Header

IDENTIFICATION: USMF-00000231
PURCHASE: Purchase order 00000200
Vendor account: OP0001
Service item: SVC005
Line: 1.0
Name: StandardSpeaker
Open No.: 10
Operation: Assembly

Parent material

+ Add Remove Display dimensions

Item number	Name	Site	Warehouse	Location	Inventory status	License plate	Batch number	Quantity	Unit
D0002	Cabinet	7	71					10.00	ea
M0002	Mid-Range Speaker Unit	7	71	Storage				10.00	ea
M0003	Tweeter Speaker Unit	7	71	Storage				10.00	ea
M0005	Enclosure	7	71	Storage				20.00	ea

OK Cancel

The Parent material pane contains any inventory transactions related to the Production order with a status of “Reserved physical” or “Picked”.

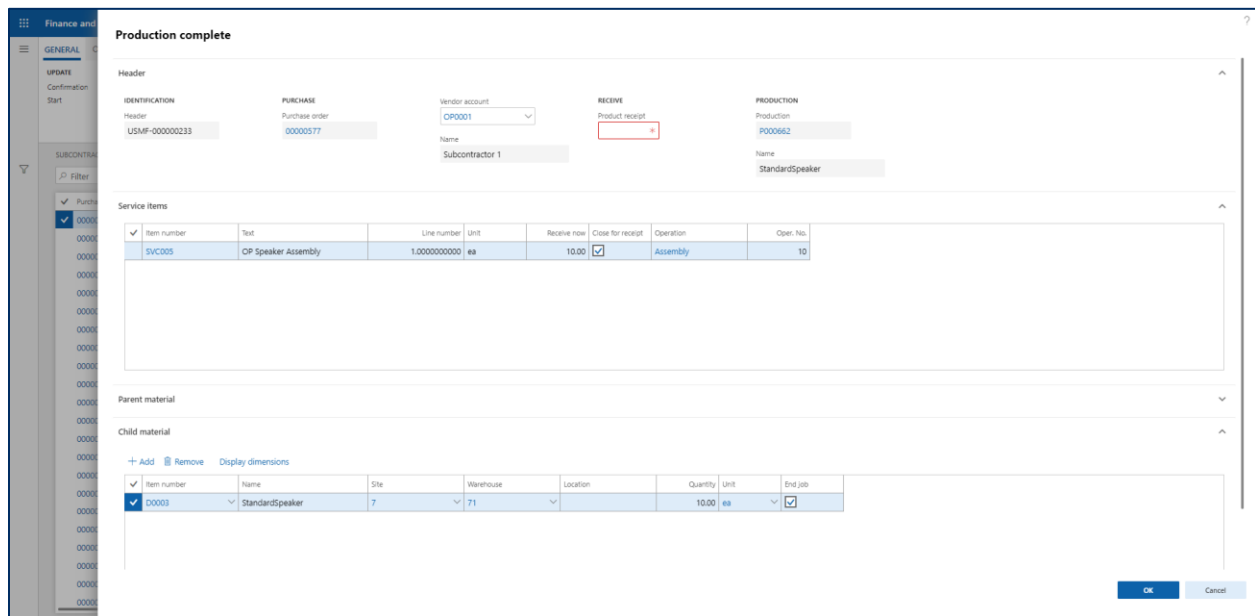
When “OK” is selected, the workbench will:

1. Start the Production order
2. Generate Picklist and Picklist lines
3. Post the Picklist
4. Set the Header status to “Completed”

Production complete

The Production complete form contains the Header details, Product receipt information, Service item information, Parent material information, and Child material information. The form gives the user the ability to record production via a Report as finished journal as well as post the Product receipt in a single step.

Note: The Parent material pane contains any inventory transactions related to the production order with a status of “Reserved physical” or “Picked”. No lines will populate if the Picklists have been posted for all such transactions.



Production complete

Header

IDENTIFICATION: USMF-00000233

PURCHASE: 00000577

Vendor account: OP0001

NAME: Subcontractor 1

RECEIVE: Product receipt

PRODUCTION: P000662

Service Items

Item number	Text	Line number	Unit	Receive now	Close for receipt	Operation	Oper. No.
00005	OP Speaker Assembly	1.0000000000	ea	10.00	<input checked="" type="checkbox"/>	Assembly	10

Parent material

Child material

Item number	Name	Site	Warehouse	Location	Quantity	Unit	End job
00003	StandardSpeaker	7	71		10.00	ea	<input checked="" type="checkbox"/>

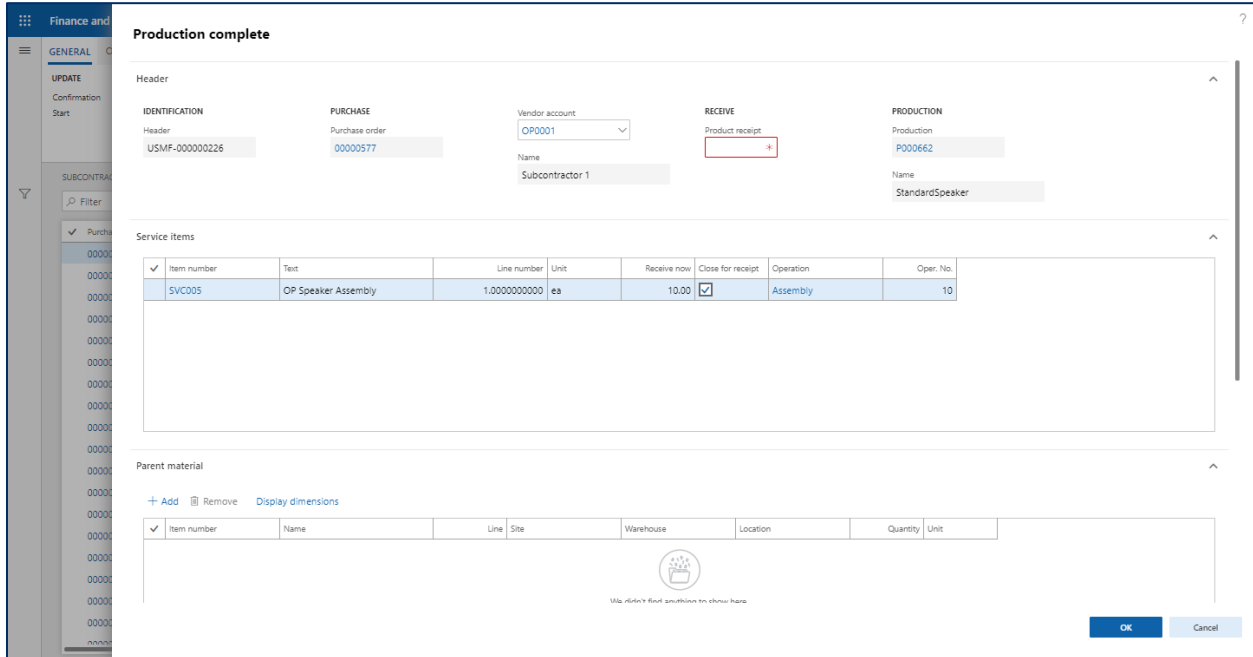
OK Cancel

To post the journals:

1. Enter Product receipt number
2. Enter receive now quantity
3. Toggle Close for receipt (if necessary)
4. Enter child tag information
5. Mark End job (if necessary)
6. Select “OK”

Production complete directly

If the order has not yet been started and no picklist has been posted, the user has the ability to Start an order, post the Picklist, post the Product receipt, and report material as finished in a single step using Production complete.



Production complete

Header

IDENTIFICATION: Header USMF-000000226

PURCHASE: Purchase order 00000577

Vendor account: OP0001

Name: Subcontractor 1

RECEIVE: Product receipt *

PRODUCTION: Production P000662

Name: StandardSpeaker

Service items

Item number	Text	Line number	Unit	Receive now	Close for receipt	Operation	Oper. No.
SVC005	OP Speaker Assembly	1.0000000000	ea	10.00	<input checked="" type="checkbox"/>	Assembly	10

Parent material

+ Add Remove Display dimensions

Item number	Name	Line	Site	Warehouse	Location	Quantity	Unit
-------------	------	------	------	-----------	----------	----------	------

OK Cancel

To post the journals:

1. Enter Product receipt number
2. Enter Receive now quantity
3. Toggle Close for receipt
4. Enter parent material information
5. Enter child material information
6. Mark End job (if necessary)
7. OK

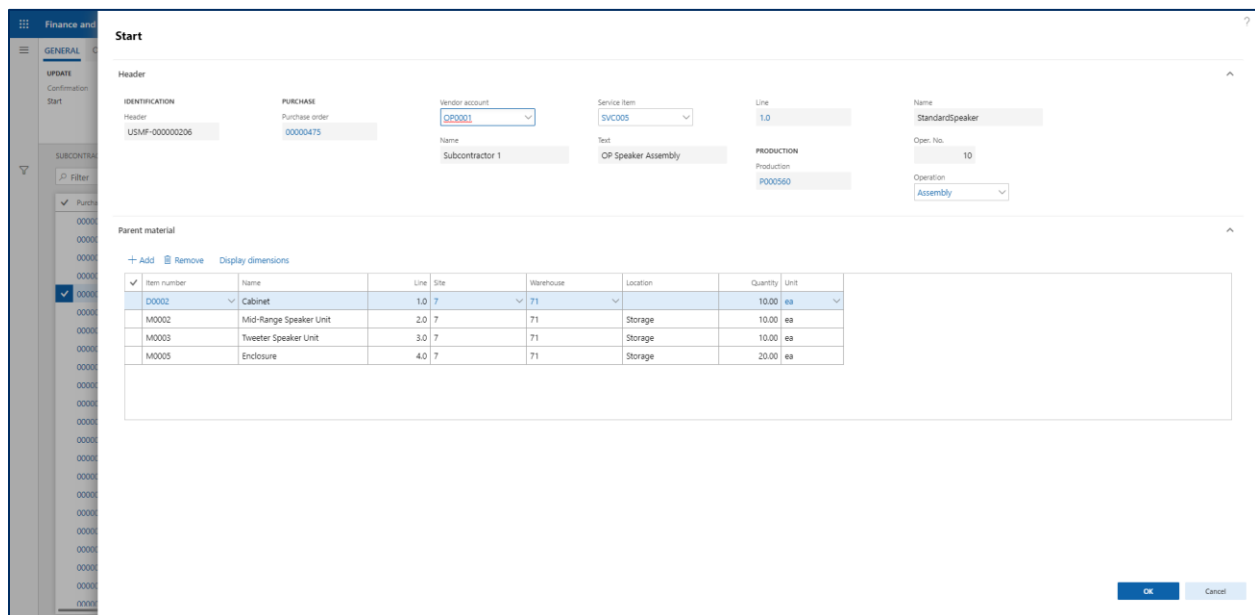
Multiple Operation Production

In a multiple Operation Production order, the user has the ability to report a service as completed without reporting finished goods. Service complete is designed to record services as complete for intermediate Operations (i.e. all operations except the final operation) and the button will be active/inactive accordingly.

Start > Service complete

Start

The Start form contains the Header details and Parent material and serves as a Picklist.



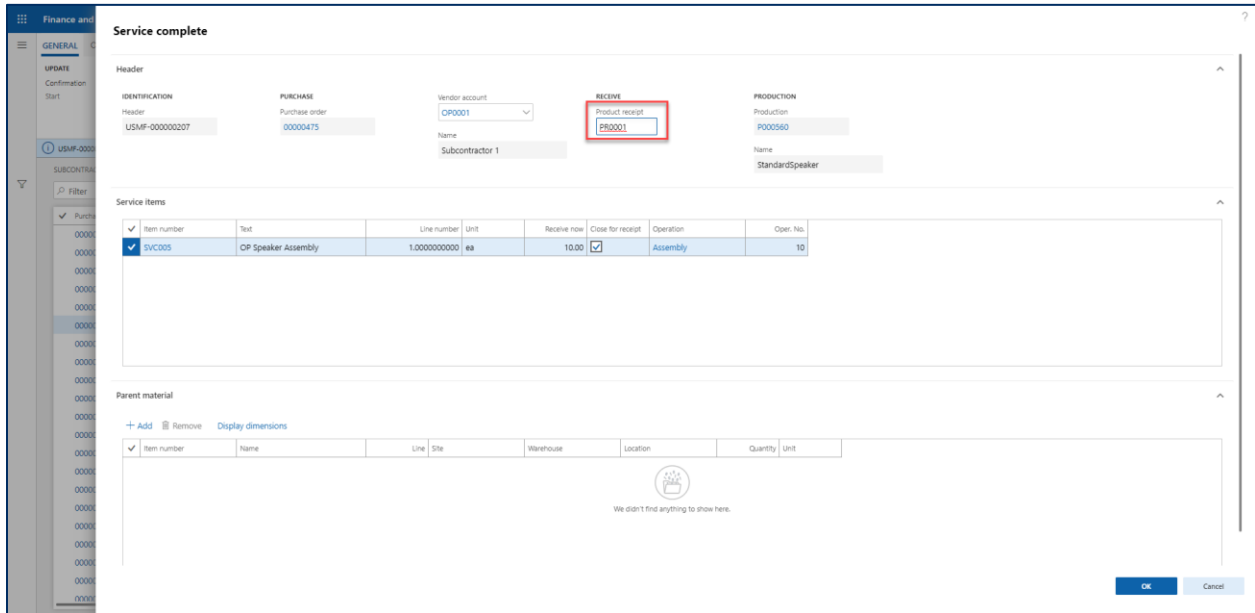
The Parent material pane contains any inventory transactions related to the Production order with a status of “Reserved physical” or “Picked”.

When “OK” is selected, the workbench will:

1. Start the Production order
2. Generate Picklist and Picklist lines
3. Post the Picklist
4. Set the Header status to “Completed”

Service complete

The Service complete form contains the Header details (with the addition of Product receipt fields) and Parent material and gives the user the ability to post a Product receipt. Note that the Parent material pane contains any inventory transactions related to the Production order with a status of “Reserved physical” or “Picked” – no lines will populate if the picklists have been posted for all such transactions.



Service complete

Header

IDENTIFICATION: Header USMF-000000207

PURCHASE: Purchase order 00000475

VENDOR ACCOUNT: Vendor account OP0001

RECEIVE: Product receipt PR0001

PRODUCTION: Production P000560

Name: Subcontractor 1

Name: StandardSpeaker

Service items

Item number	Text	Line number	Unit	Receive now	Close for receipt	Operation	Oper. No.
SVC005	CP Speaker Assembly	1.0000000000	ea	10.00	<input checked="" type="checkbox"/>	Assembly	10

Parent material

+ Add Remove Display dimensions

Item number	Name	Line	Site	Warehouse	Location	Quantity	Unit
We didn't find anything to show here.							

OK Cancel

To post the product receipt:

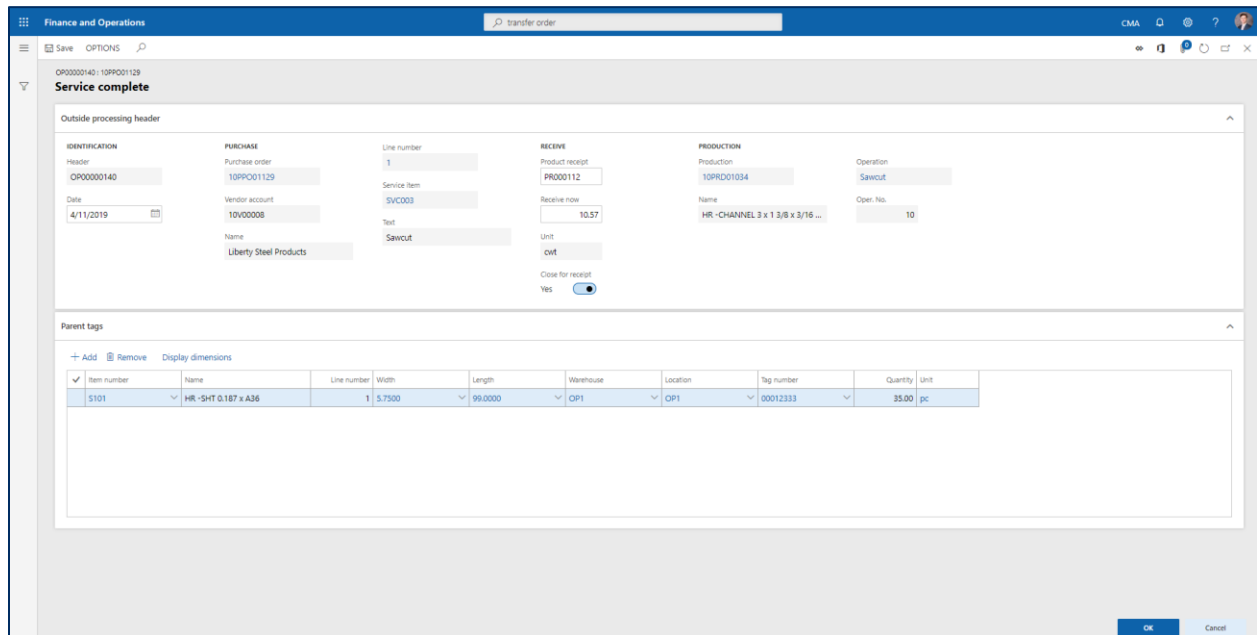
1. Enter Product receipt number
2. Enter Receive now quantity
3. Check Close for receipt
4. OK

Service complete directly

Service complete

The Service complete form contains the Header details (with the addition of Product receipt fields) and Parent material and gives the user the ability to post a Product receipt. If the Purchase order is not confirmed or the Production order has not been started, then Service complete will:

1. Confirm the purchase order
2. Start the Production order
3. Post the Picklist
4. Post the Route card (if necessary)



Service complete

Outside processing header

IDENTIFICATION	PURCHASE	Line number	RECEIVE	PRODUCTION	Operation
Header: OP0000140	Purchase order: 10PP001129	1	Product receipt: PR000112	Production: 10PR001034	Sawcut
Date: 4/11/2019	Vendor account: 10V00008	Service item: SVC003	Receive now: 10.57	Name: HR-CHANNEL 3 x 1 3/8 x 3/16 ...	Oper. No: 10
	Name: Liberty Steel Products	Text: Sawcut	Unit: cwt		
			Close for receipt: Yes <input checked="" type="checkbox"/>		

Parent tags

Item number	Name	Line number	Width	Length	Warehouse	Location	Tag number	Quantity	Unit
S101	HR-SHT 0.187 x A36	1	5.7500	99.0000	OP1	OP1	00012333	35.00	pc

OK Cancel

To post the product receipt:

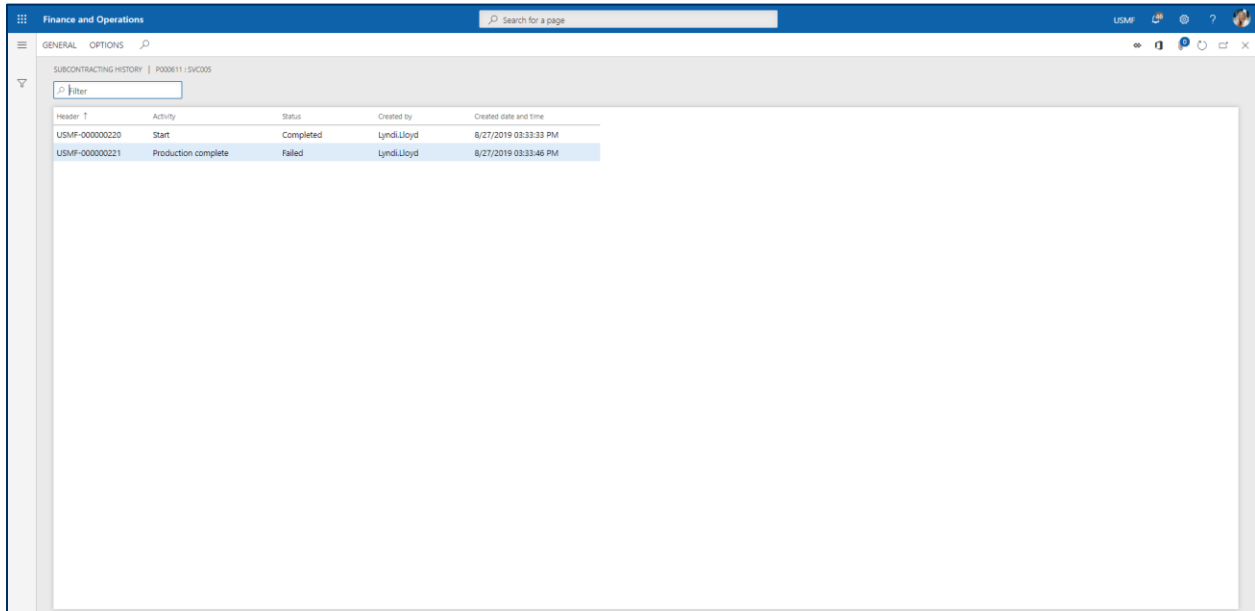
1. Enter Product receipt number
2. Enter Receive now quantity
3. Toggle Close for receipt
4. OK

Subcontracting order history

In the action pane, the user can open forms to view what actions have taken place against the orders

History

The History form is a log of all activities against the subcontracting orders.

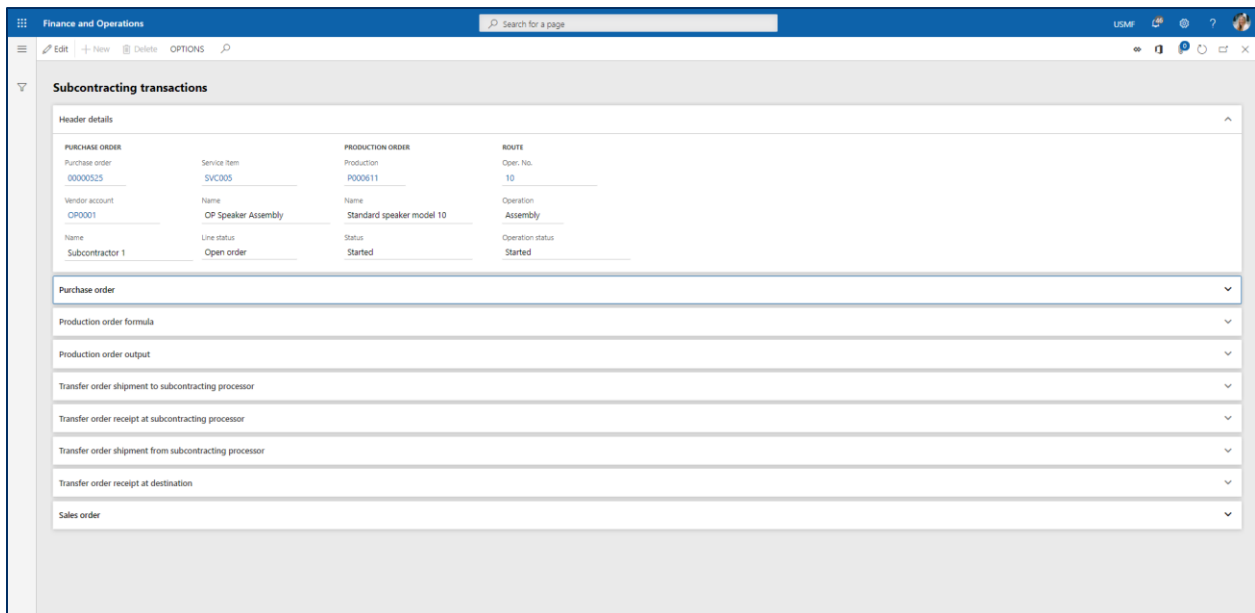


The screenshot shows the 'Subcontracting History' form for order P000611. The form has a 'Filter' input field and a table with the following data:

Header	Activity	Status	Created by	Created date and time
USMF-0000000220	Start	Completed	Lyndi.Lloyd	8/27/2019 03:33:33 PM
USMF-0000000221	Production complete	Failed	Lyndi.Lloyd	8/27/2019 03:33:46 PM

Transactions

The Transactions form contains Header details and the relevant transactions associated to the subcontracting orders.



The screenshot shows the 'Subcontracting transactions' form. It includes a 'Header details' section with the following information:

PURCHASE ORDER		PRODUCTION ORDER		ROUTE
Purchase order	Service item	Production	Operation	Oper. No.
00000525	SVC005	P000611	Assembly	10
Vendor account	Name	Name	Operation	
OP0001	OP Speaker Assembly	Standard speaker model 10	Assembly	
Name	Line status	Status	Operation status	
Subcontractor 1	Open order	Started	Started	

Below the header details, there is a list of transactions with dropdown menus for each:

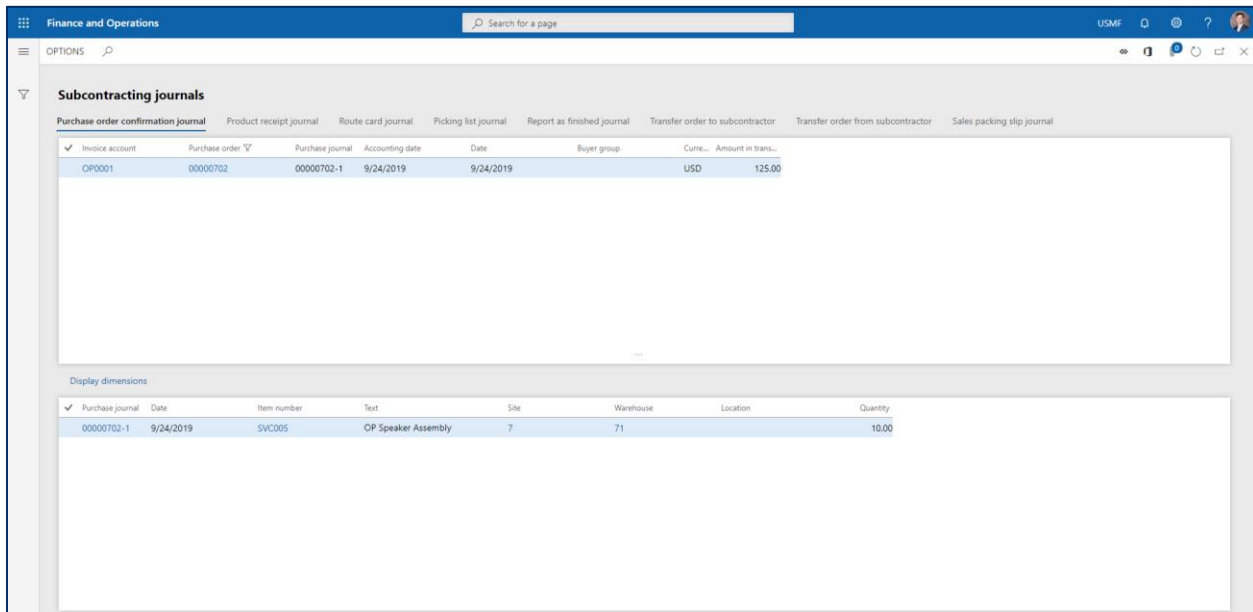
- Purchase order
- Production order formula
- Production order output
- Transfer order shipment to subcontracting processor
- Transfer order receipt at subcontracting processor
- Transfer order shipment from subcontracting processor
- Transfer order receipt at destination
- Sales order

Transactions include:

1. Purchase order
2. Production order formula
3. Production order output
4. Transfer order shipment to subcontracting processor
5. Transfer order receipt at subcontracting processor
6. Transfer order shipment from subcontracting processor
7. Transfer order receipt at destination
8. Sales order

Journals

The Journals form contains the journal headers and lines for any journals posted related to the production order. The tabs across the top of the journal header pane allow the user to navigate through the different journal types. The journal lines display only those lines within the selected journal header.



Subcontracting journals							
Purchase order confirmation journal							
✓ Invoice account	Purchase order	Purchase journal	Accounting date	Date	Buyer group	Curre...	Amount in trans...
OP0001	00000702	00000702-1	9/24/2019	9/24/2019		USD	125.00

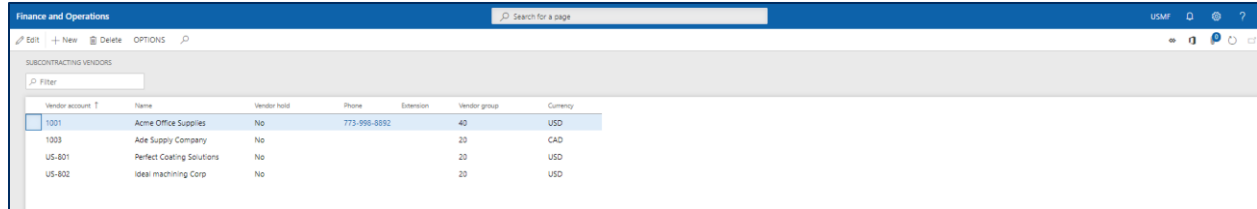
Display dimensions							
Purchase journal	Date	Item number	Text	Site	Warehouse	Location	Quantity
00000702-1	9/24/2019	SVC005	OP Speaker Assembly	7	71		10.00

The journal postings include

1. Purchase order confirmations
2. Product receipts
3. Route cards
4. Picking lists
5. Report as finished
6. Transfer order to subcontractor
7. Transfer order from subcontractor
8. Sales packing slips

Subcontracting vendors

The primary purpose for the Subcontracting vendors menu item is to decouple Vendors who perform subcontracting operations from those who do not.

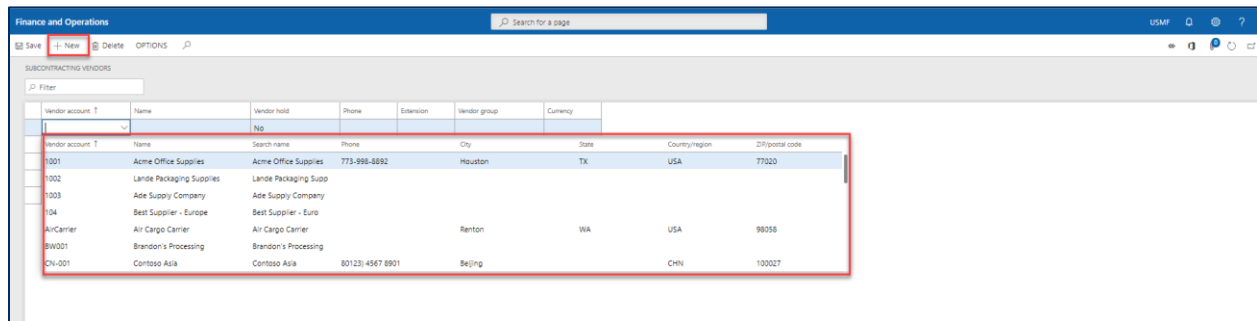


Vendor account	Name	Vendor hold	Phone	Extension	Vendor group	Currency
1001	Acme Office Supplies	No	773-998-8892	40		USD
1003	Ade Supply Company	No		20		CAD
US-401	Perfect Coating Solutions	No		20		USD
US-802	Ideal machining Corp	No		20		USD

Identify a Vendor as a Subcontractor

To add a new Subcontracting vendor:

1. Navigate to **Subcontracting > Common > Subcontracting vendors**
2. Click “New”
3. Select desired Vendor



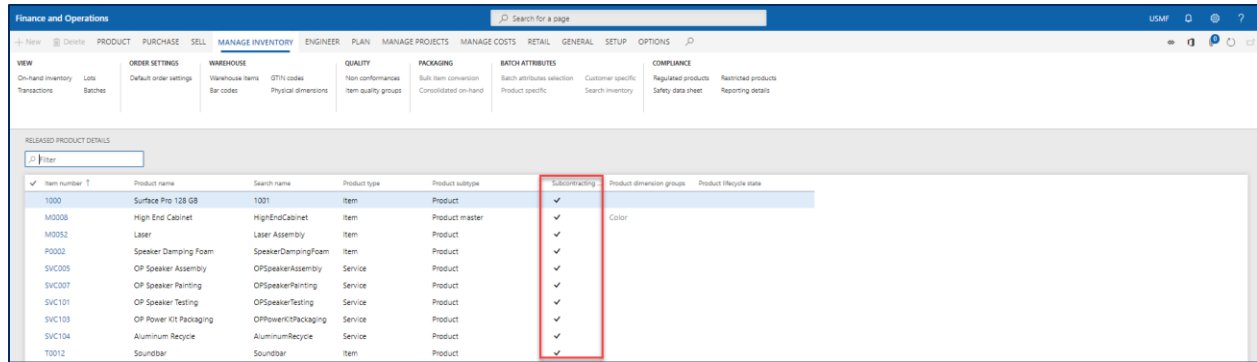
Vendor account	Name	Search name	Phone	City	State	Country/region	ZIP/postal code
1001	Acme Office Supplies	Acme Office Supplies	773-998-8892	Houston	TX	USA	77020
1002	Lande Packaging Supplies	Lande Packaging Supp					
1003	Ade Supply Company	Ade Supply Company					
104	Best Supplier - Europe	Best Supplier - Euro					
AirCarrier	Air Cargo Carrier	Air Cargo Carrier		Remton	WA	USA	98058
BW001	Brandon's Processing	Brandon's Processing					
CHN-001	Contoso Asia	Contoso Asia	801231 4567 8901	Beijing		CHN	100027

The source data for this table is the standard D365 Vendors table.

Note: If a completely new vendor is required, the vendor record should be created in the standard D365 Vendor table and then related in the Subcontracting vendors form.

Subcontracting service items

The Subcontracting service items form filters the standard D365 Released products form (Product information management > Products > Released products) specifically for service items.

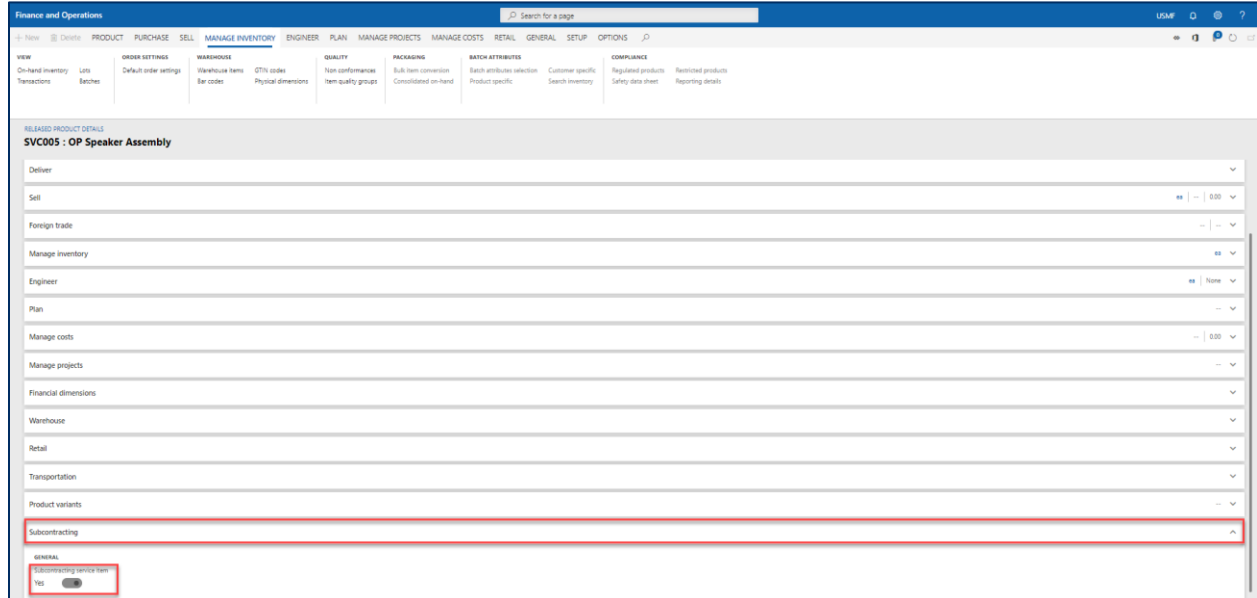


Item number	Product name	Search name	Product type	Product subtype	Subcontracting	Product dimension groups	Product lifecycle state
1000	Surface Pro 128 GB	1001	Item	Product	✓		
M0008	High End Cabinet	HighEndCabinet	Item	Product master	✓	Color	
M0052	Laser	Laser Assembly	Item	Product	✓		
P0002	Speaker Damping Foam	SpeakerDampingFoam	Item	Product	✓		
SVC005	OP Speaker Assembly	OPSpeakerAssembly	Service	Product	✓		
SVC007	OP Speaker Painting	OPSpeakerPainting	Service	Product	✓		
SVC101	OP Speaker Testing	OPSpeakerTesting	Service	Product	✓		
SVC103	OP Power Kit Packaging	OPPowerKitPackaging	Service	Product	✓		
SVC104	Aluminum Recycle	AluminumRecycle	Service	Product	✓		
T0012	Soundbar	Soundbar	Item	Product	✓		

Identify an item as a service item

To classify an item as a Subcontracting service item:

1. Navigate to the item in Product information management > Products > Released products
2. Open the Subcontracting fast tab
3. Set Subcontracting service item to "Yes"



SVC005 : OP Speaker Assembly

Deliver

Sell

Foreign trade

Manage inventory

Engineer

Plan

Manage costs

Manage projects

Financial dimensions

Warehouse

Retail

Transportation

Product variants

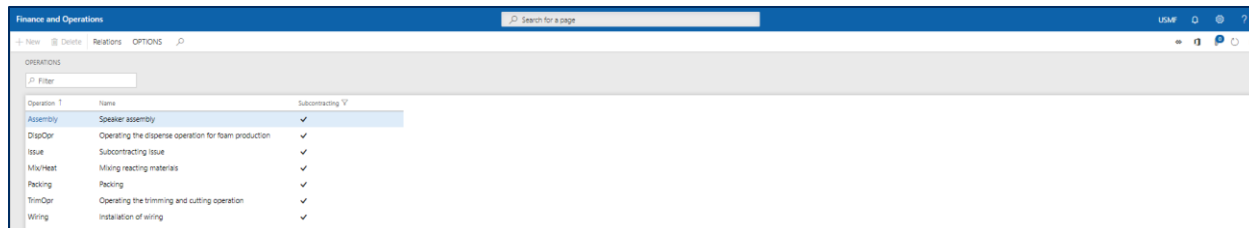
Subcontracting

Subcontracting service item: Yes

This item will now appear in your Subcontracting service items form upon the next relaunch of the form.

Subcontracting operations

Upon selecting the Subcontracting operations menu item, the user will be navigated to the operations form pre-filtered for operations completed at subcontractor.

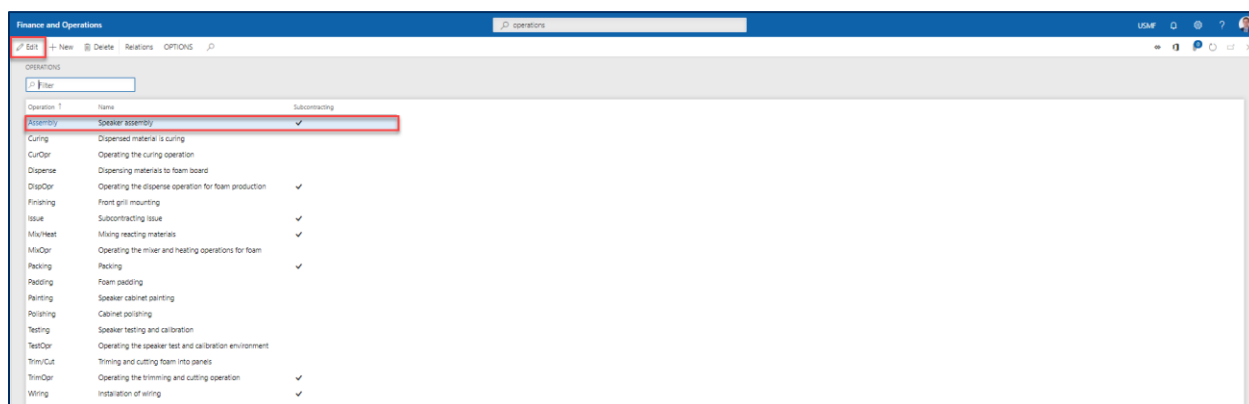


Operation 1	Name	Subcontracting
Assembly	Speaker assembly	<input checked="" type="checkbox"/>
DispOp	Operating the dispense operation for foam production	<input checked="" type="checkbox"/>
Issue	Subcontracting issue	<input checked="" type="checkbox"/>
Mix/Heat	Mixing reacting materials	<input checked="" type="checkbox"/>
Packing	Packing	<input checked="" type="checkbox"/>
TrimOp	Operating the trimming and cutting operation	<input checked="" type="checkbox"/>
Wiring	Installation of wiring	<input checked="" type="checkbox"/>

Identify an existing operation as Subcontracting

To identify an existing operation as Subcontracting:

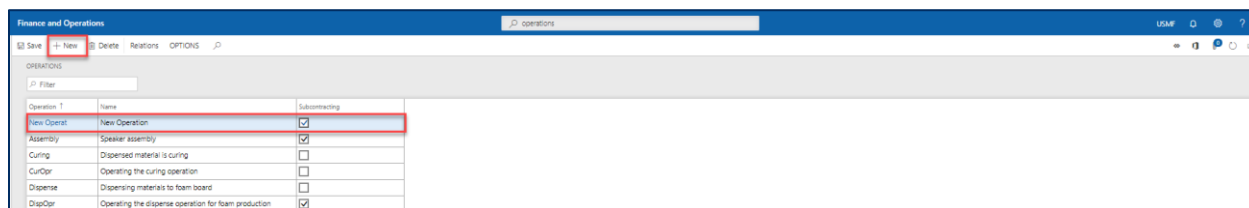
1. Navigate to the Operations form **Production control > Setup > Routes > Operations**
2. Click Edit
3. Select “Subcontracting” checkbox



Operation 1	Name	Subcontracting
Assembly	Speaker assembly	<input checked="" type="checkbox"/>
Curing	Dispensed material is curing	<input type="checkbox"/>
CurOp	Operating the curing operation	<input type="checkbox"/>
Dispense	Dispensing materials to foam board	<input type="checkbox"/>
DispOp	Operating the dispense operation for foam production	<input checked="" type="checkbox"/>
Finishing	Front grill mounting	<input type="checkbox"/>
Issue	Subcontracting issue	<input checked="" type="checkbox"/>
Mix/Heat	Mixing reacting materials	<input checked="" type="checkbox"/>
MixOp	Operating the mixer and heating operations for foam	<input type="checkbox"/>
Packing	Packing	<input checked="" type="checkbox"/>
Packing	Foam padding	<input type="checkbox"/>
Painting	Speaker cabinet painting	<input type="checkbox"/>
Polishing	Cabinet polishing	<input type="checkbox"/>
Testing	Speaker testing and calibration	<input type="checkbox"/>
TestOp	Operating the speaker test and calibration environment	<input type="checkbox"/>
Trim/Cut	Trimming and cutting foam into panels	<input type="checkbox"/>
TrimOp	Operating the trimming and cutting operation	<input checked="" type="checkbox"/>
Wiring	Installation of wiring	<input checked="" type="checkbox"/>

Create a new Subcontracting operation:

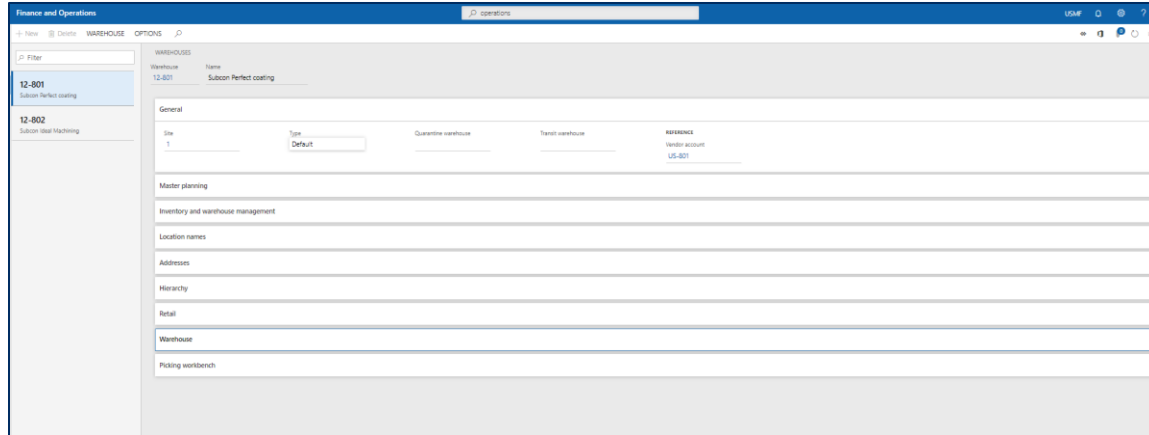
4. Navigate to the Operations form **Production control > Setup > Routes > Operations**
5. Click New
6. Enter Operation
7. Enter Name
8. Select Subcontracting checkbox



Operation 1	Name	Subcontracting
New Operat	New Operation	<input checked="" type="checkbox"/>
Assembly	Speaker assembly	<input checked="" type="checkbox"/>
Curing	Dispensed material is curing	<input type="checkbox"/>
CurOp	Operating the curing operation	<input type="checkbox"/>
Dispense	Dispensing materials to foam board	<input type="checkbox"/>
DispOp	Operating the dispense operation for foam production	<input checked="" type="checkbox"/>

Subcontracting warehouses

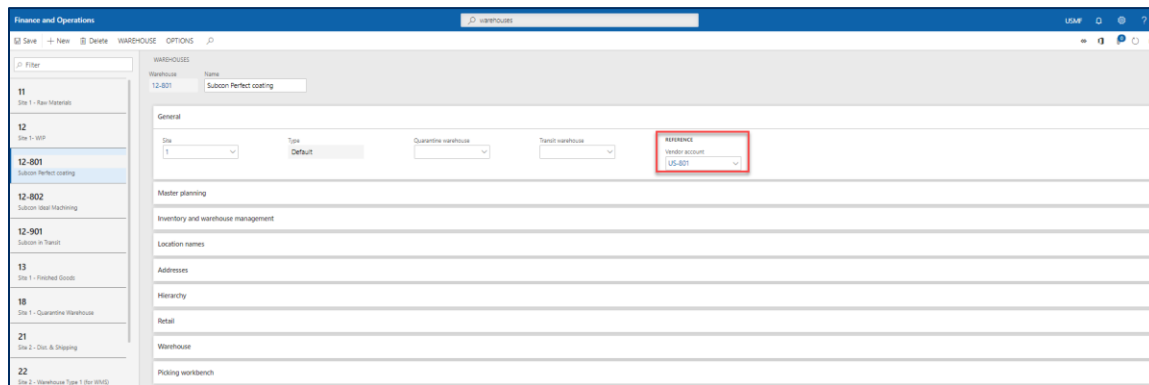
Upon selecting the Subcontracting warehouses menu item, the user will be navigated to the Warehouses form pre-filtered for subcontracting.



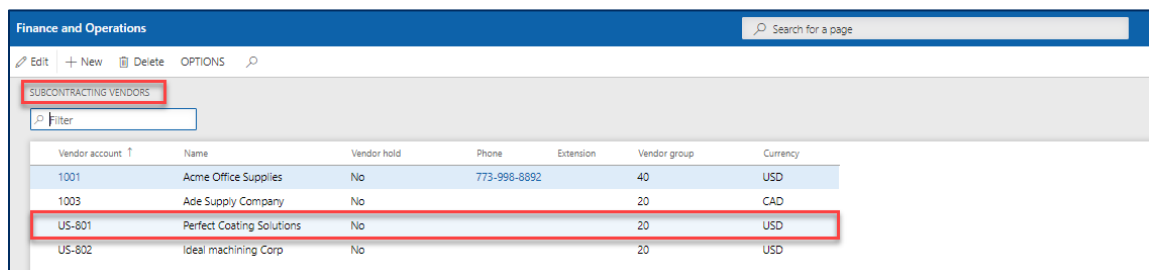
Identify a warehouse as Subcontracting

To identify a warehouse as Subcontracting:

1. Navigate to Inventory management > Setup > Inventory breakdown > Warehouses
2. In the Vendor account field on the General fast tab, associate a Subcontracting vendor



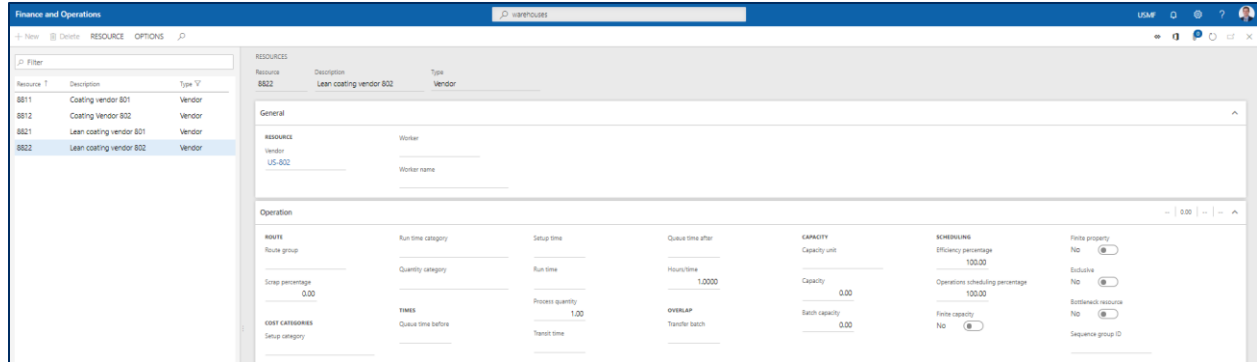
Note: The Vendor selected in the account field is required to exist in the Subcontracting vendors table



Vendor account	Name	Vendor hold	Phone	Extension	Vendor group	Currency
1001	Acme Office Supplies	No	773-998-8892	40		USD
1003	Ade Supply Company	No		20		CAD
US-801	Perfect Coating Solutions	No		20		USD
US-802	Ideal machining Corp	No		20		USD

Subcontracting resources

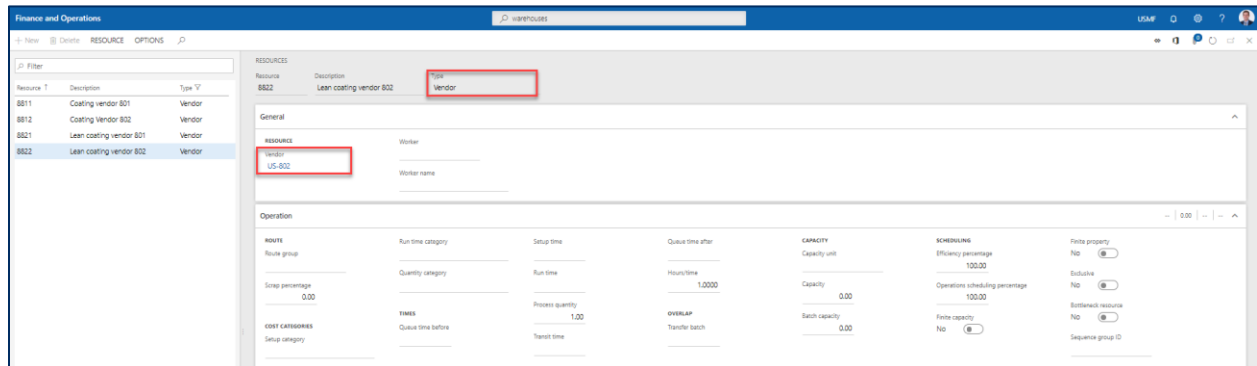
Upon selecting the Subcontracting resources menu item, the user will be navigated to the Resources form pre-filtered for subcontracting.



Identify a resource as Subcontracting

To identify a resource as Subcontracting:

3. Navigate to Organization administration > Resources > Resources
4. In the Type field, select Vendor
5. In the Vendor field on the General fast tab, associate a subcontracting vendor



Note: The Vendor selected in the account field is required to exist in the Subcontracting vendors table

Finance and Operations						
Search for a page						
SUBCONTRACTING VENDORS						
Filter						
Vendor account ↑	Name	Vendor hold	Phone	Extension	Vendor group	Currency
1001	Acme Office Supplies	No	773-998-8892	40	USD	
1003	Ade Supply Company	No		20	CAD	
US-801	Perfect Coating Solutions	No		20	USD	
US-802	Ideal machining Corp	No		20	USD	

Inventory on-hand at subcontractor

Upon selecting the Inventory on-hand at subcontractor menu item, the user will be navigated to the on-hand list (Inventory management > Inquiries and reports > On-hand list)

After applying necessary filters, the form will be filtered to display all inventory records located at a Subcontracting warehouse

Finance and Operations

Search for a page

Transactions Intercompany on-hand Quantity adjustment Released product details Dimensions **VIEW** BATCH TRACKING INSPECT RELATED INFORMATION OPTIONS

view

Scrolling history

Consolidated on-hand

Filters

Item number begins with

Site begins with

Warehouse begins with

Serial number begins with

Batch number begins with

Search name begins with

Apply Reset

ON-HAND

Filter Inventory quantities

Item number	Product name	Search name	Warehouse	Physical inventory	Physical reserved	Available physical	Available physical	Ordered in total	On order	Ordered reserved	Available for res.	Total available	Used warehouse	Product identification
D0002	Cabinet	Cabinet	71	10,113.00	224.00	9,889.00	9,889.00	20.00	30.00		9,909.00	9,979.00		D0002
D0003	StandardSpeaker	StandardSpeaker	71	70.00		70.00	70.00	379.00	10.00		449.00	439.00		D0003
D0013	SpecaSpeaker	SpecaSpeaker	71	63.00		63.00					63.00	63.00	✓	D0013
M0002	Mid-Range Speaker Unit	MidRangeSpeakerUnit	71	10,113.00	214.00	9,899.00	9,899.00				9,899.00	9,899.00		M0002
M0003	Twteer Speaker Unit	TwteerSpeakerUnit	71	10,113.00	204.00	9,909.00	9,909.00				9,909.00	9,909.00		M0003
M0005	Enclosure	Enclosure	71	10,120.00	302.00	9,818.00	9,818.00				9,818.00	9,818.00		M0005
M0055	US Power Cord	US Power Cord	71	9,970.00	10.00	9,960.00	9,960.00				9,960.00	9,960.00		M0055
M0056	Power Supply - Universal	Power Supply - Univ	71	9,970.00	10.00	9,960.00	9,960.00				9,960.00	9,960.00		M0056
M0059	Power Kit Packaging	PowerKitPackaging	71	9,970.00	10.00	9,960.00	9,960.00				9,960.00	9,960.00		M0059
M0069	Ragind	Ragind	71	100,070.00		100,070.00	100,070.00	420.00			100,490.00	100,490.00		M0069
M0105	Aluminium Cabinet	AluminiumCabinet	71	9,850.00	100.00	9,850.00	9,850.00				9,850.00	9,850.00		M0105
M0215	Speaker cabinet	Speakerscabinet	71	74.00		74.00					74.00	74.00	✓	M0215
P0002	Speaker Damping Foam	SpeakerDampingfoam	71	20.00		20.00	20.00				20.00	20.00		P0002
StandardSpeakerDF10	Standard speaker model 10	StandardSpeakermodel	71	25.00	25.00			10.00			10.00	10.00		StandardSpeakerDF10
SW008	SubTest008	SubTest008	71	20.00		20.00	20.00				20.00	20.00		SW008
SW015	SubTest015	SubTest015	71	10.00		10.00	10.00				10.00	10.00		SW015

The Warehouse on the inventory record is required to have a Vendor account associated that exists in the Subcontracting vendors table in order to be considered valid inventory at a subcontractor.

Note: If no additional filters apply, click Apply for subcontracting inventory records to generate

Physical inventory on-hand at subcontractor

Upon selecting the Physical inventory on-hand at subcontractor menu item, the user will be navigated to the on-hand list (Inventory management > Inquiries and reports > On-hand list)

After applying necessary filters, the form will be filtered to display all inventory records with Physical inventory greater than zero (0) located at a Subcontracting warehouse.

Finance and Operations

Search for a page

Transactions Intercompany on-hand Quantity adjustment Released product details Dimensions **VIEW** BATCH TRACKING INSPECT RELATED INFORMATION OPTIONS

view

Counting history

Consolidated on-hand

Filters

Item number

Site

Warehouse

Serial number

Batch number

Search name

Apply Reset

ON-HAND

Filter inventory quantities

Item number	T	Product name	Search name	Warehouse	Physical inventory	Physical reserved	Available physical	Available physic...	Ordered in total	On order	Ordered reserved	Available for res...	Total available	Order warehouse	Product identification
D0002		Cabinet	Cabinet	71	10,113.00	224.00	9,889.00	9,889.00	20.00	30.00		9,909.00	9,879.00		D0002
D0003		StandardSpeaker	StandardSpeaker	71	70.00		70.00	70.00	379.00	10.00		449.00	439.00		D0003
D0013		SpeciaSpeaker	SpeciaSpeaker	71	63.00		63.00					63.00	63.00	✓	D0013
M0002		Mid-Range Speaker Unit	MidRangeSpeakerUnit	71	10,113.00	214.00	9,899.00	9,899.00				9,899.00	9,899.00		M0002
M0003		Twente Speaker Unit	TwenteSpeakerUnit	71	10,113.00	204.00	9,909.00	9,909.00				9,909.00	9,909.00		M0003
M0005		Enclosure	Enclosure	71	10,120.00	302.00	9,818.00	9,818.00				9,818.00	9,818.00		M0005
M0055		US Power Cord	US Power Cord	71	9,970.00	10.00	9,960.00	9,960.00				9,960.00	9,960.00		M0055
M0056		Power Supply - Universal	Power Supply - Unive	71	9,970.00	10.00	9,960.00	9,960.00				9,960.00	9,960.00		M0056
M0059		Power Kit Packaging	PowerKitPackaging	71	9,970.00	10.00	9,960.00	9,960.00				9,960.00	9,960.00		M0059
M0069		Regind	Regind	71	100,070.00		100,070.00	100,070.00	420.00			100,490.00	100,490.00		M0069
M0105		Aluminum Cabinet	AluminumCabinet	71	9,850.00	100.00	9,850.00	9,850.00				9,850.00	9,850.00		M0105
M0215		Speaker cabinet	Speakerscabinet	71	74.00		74.00					74.00	74.00	✓	M0215
P0002		Speaker Damping Foam	SpeakerDampingFoam	71	20.00		20.00	20.00				20.00	20.00		P0002
StandardSpeakerDF10		Standard speaker model 10	StandardSpeakermodel	71	20.00	20.00			10.00			10.00	10.00		StandardSpeakerDF10
SH008		SubTest008	SubTest008	71	20.00		20.00	20.00				20.00	20.00		SH008
SH015		SubTest015	SubTest015	71	10.00		10.00	10.00				10.00	10.00		SH015

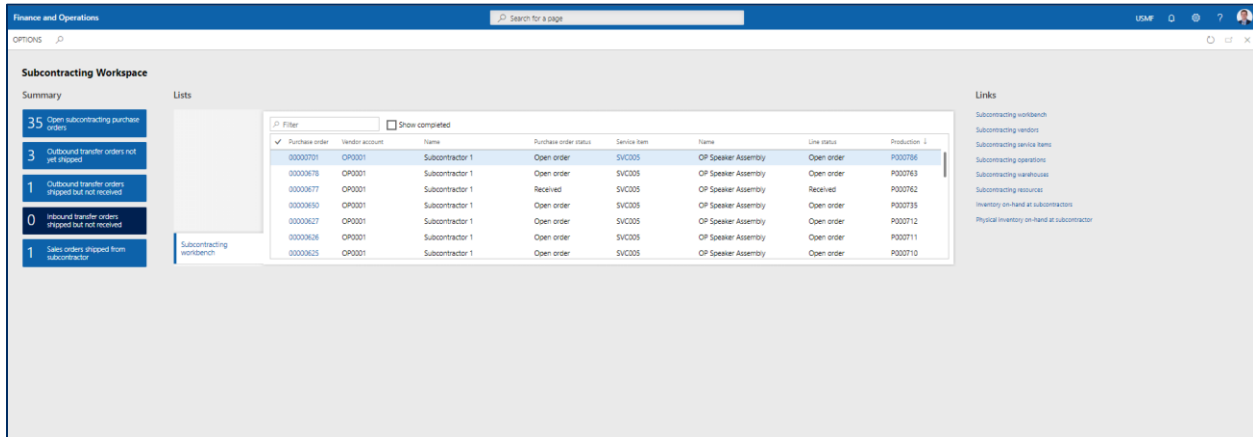
The Warehouse on the inventory record is required to have a Vendor account associated that exists in the Subcontracting vendors table in order to be considered valid inventory at a subcontractor.

Note: If no additional filters apply, click Apply for subcontracting inventory records to generate

Subcontracting Management Workspace

The Subcontracting management workspace is designed to provide users with a centralized platform to monitor and manage Purchase orders, Sales orders, Transfer orders, and Shipments related to subcontracting. This workspace displays a dynamic list of records from the Subcontracting Workbench as well as links to all Subcontracting forms.

Workspaces > Subcontracting management



Subcontracting Workspace

Summary

- 35 Open subcontracting purchase orders
- 3 Outbound transfer orders not yet shipped
- 1 Outbound transfer orders shipped but not received
- 0 Inbound transfer orders shipped but not received
- 1 Sales orders shipped from subcontractor

Lists

Filter: Show completed

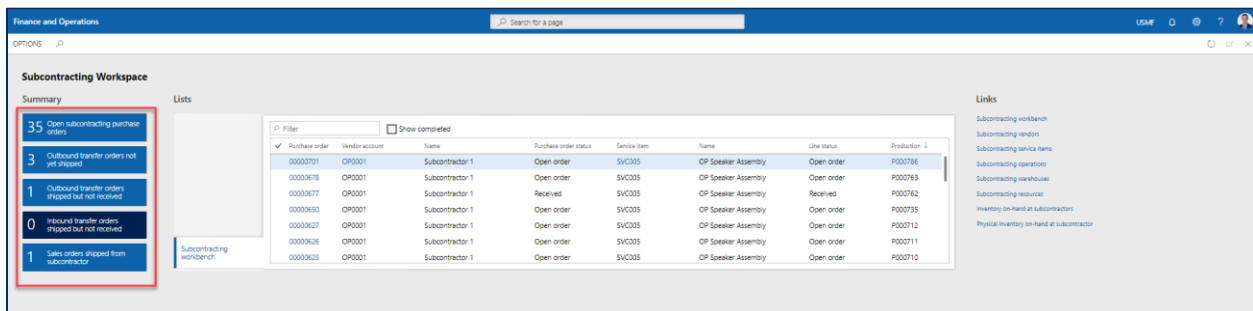
Purchase order	Vendor account	Name	Purchase order status	Service item	Name	Line status	Production
00000701	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000796
00000676	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000793
00000677	OP0001	Subcontractor 1	Received	SVC005	OP Speaker Assembly	Received	P000792
00000650	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000735
00000627	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000712
00000608	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000711
00000625	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000710

Links

- Subcontracting workbench
- Subcontracting vendors
- Subcontracting service items
- Subcontracting operations
- Subcontracting warehouses
- Subcontracting resources
- Inventory on-hand at subcontractor
- Physical inventory on-hand at subcontractor

Tiles

Tiles are meant to provide users with a visual count of related records. Clicking on each tile will navigate the user to each order details form (Purchase order, Transfer order, Sales order).



Subcontracting Workspace

Summary

- 35 Open subcontracting purchase orders
- 3 Outbound transfer orders not yet shipped
- 1 Outbound transfer orders shipped but not received
- 0 Inbound transfer orders shipped but not received
- 1 Sales orders shipped from subcontractor

Lists

Filter: Show completed

Purchase order	Vendor account	Name	Purchase order status	Service item	Name	Line status	Production
00000701	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000796
00000676	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000793
00000677	OP0001	Subcontractor 1	Received	SVC005	OP Speaker Assembly	Received	P000792
00000650	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000735
00000627	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000712
00000608	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000711
00000625	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000710

Links

- Subcontracting workbench
- Subcontracting vendors
- Subcontracting service items
- Subcontracting operations
- Subcontracting warehouses
- Subcontracting resources
- Inventory on-hand at subcontractor
- Physical inventory on-hand at subcontractor

Open subcontracting purchase orders

This tile will display a count of all Purchase orders related to Subcontracting work. Clicking on this tile will navigate the user to the Purchase order form filtered for these records.

Outbound transfer orders not yet shipped

This tile will display a count of all transfer orders being sent to a subcontractor but have not yet been shipped. Clicking on this tile will navigate the user to the Transfer orders form filtered for these records.

Outbound transfer orders shipped but not received

This tile will display a count of all transfer orders that are in the process of being shipped to the subcontractor but have not yet been received by the vendor. Clicking on this tile will navigate the user to the Transfer orders form filtered for these records.

Inbound transfer orders shipped but not received

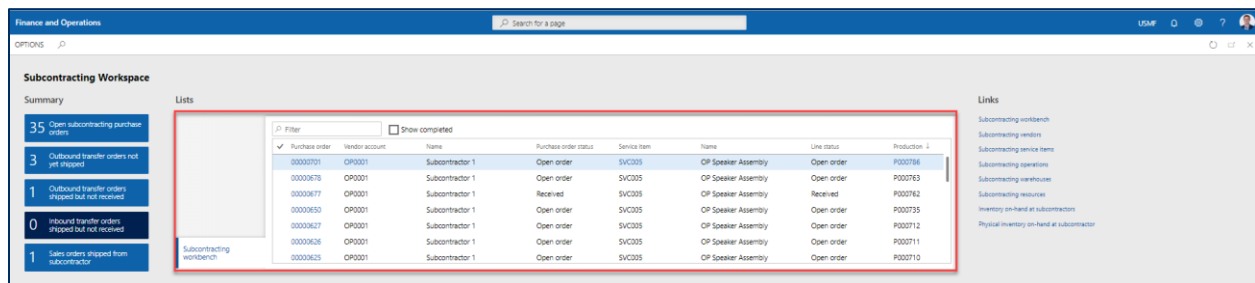
This tile will display a count of all transfer orders that are in transit to an internal warehouse from a subcontractor, but have not yet been received. Clicking on this tile will navigate the user to the Transfer orders form filtered for these records.

Sales orders shipped from subcontractors

This tile will display a count of all packing slips that have been posted with a related subcontracting warehouse associated to the record. Clicking on this tile will navigate the user to the Sales orders form filtered for these records.

Lists

Lists are provided when users may require more record information beyond a simple count of records. Lists also allow for direct navigation to the form (Subcontracting workbench).



The screenshot shows the 'Subcontracting Workspace' interface. On the left, there is a 'Summary' section with five tiles: '35 Open subcontracting purchase orders', '3 Outbound transfer orders not yet shipped', '1 Outbound transfer orders shipped but not received', '0 Inbound transfer orders shipped but not received', and '1 Sales orders shipped from subcontractor'. The main area is titled 'Lists' and contains a table of purchase orders. A red box highlights the table. On the right, there is a 'Links' section with several links: 'Subcontracting workbench', 'Subcontracting vendors', 'Subcontracting service items', 'Subcontracting operations', 'Subcontracting warehouses', 'Subcontracting resources', 'Inventory on-hand at subcontractor', and 'Physical inventory on-hand at subcontractor'.

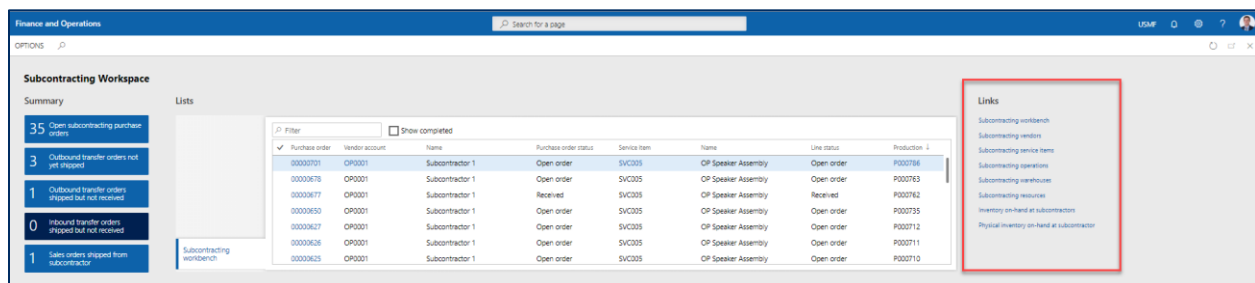
Purchase order	Vendor account	Name	Purchase order status	Service item	Name	Line status	Production
00000701	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000766
00000676	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000763
00000677	OP0001	Subcontractor 1	Received	SVC005	OP Speaker Assembly	Received	P000762
00000650	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000735
00000627	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000712
00000626	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000711
00000625	OP0001	Subcontractor 1	Open order	SVC005	OP Speaker Assembly	Open order	P000710

Subcontracting workbench

This list will display high level record detail related to the Subcontracting workbench. Fields are hyperlinked within the list to allow easy navigation to individual records for further action. Lists can be filtered or manipulated to show additional information if required.

Links

Links provide users with direct access to common forms for efficient data management.



This screenshot is similar to the previous one, showing the 'Subcontracting Workspace' interface. The table of purchase orders is the same. A red box highlights the 'Links' section on the right, which contains the same list of links as in the previous screenshot: 'Subcontracting workbench', 'Subcontracting vendors', 'Subcontracting service items', 'Subcontracting operations', 'Subcontracting warehouses', 'Subcontracting resources', 'Inventory on-hand at subcontractor', and 'Physical inventory on-hand at subcontractor'.