



MB-320^{Q&As}

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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QUESTION 1

You need to set up the configuration model to price the motorcycles correctly.

What should you do?

Case Study Title (Case Study):General information

A manufacturing company produces custom configured-to-order motorcycles. The company plans to implement Dynamics 365 Supply Chain Management. The company contains one legal entity located in Missouri where all production and warehousing operations occur.

Customization options

The custom motorcycles have a variety of selections that can be selected in the listed order by the end customer, including the following:

| Selection order | Option | Values |
|-----------------|------------------|---|
| 1 | Engine | Small = 0, large = 1 |
| 2 | Color | black, green, orange, silver |
| 3 | Trim | standard, sport, legend |
| 4 | Seat | standard, MS, ML |
| 5 | Upgrade Packages | storage package, LED headlamp, custom chrome wheels |

Customization restrictions

The following restrictions on customizations are in place:

*

Green color can only be sold with the Legend Trim.

*

Orange color can be sold with the Sport or Legend Trim.

*

The ML seat must be included in the Legend package.

*

The MS seat must be included in the Sport package.

Manufacturing facilities

The company includes the following manufacturing groups: Assembly and Plastic Molding. The Assembly group is



responsible for assembling the motorcycles with purchased and manufactured goods. The Plastic Molding group is responsible for manufacture of all plastic parts used in the assembly area.

Motorcycle manufacturing

The parts for the product assembly are picked from the warehouse and staged at the correct workstation by a warehouse operator for each production order.

Plastic manufacturing

Plastic parts are molded using dyes that create multiple parts at once. The parts are machined in the same production process to remove excess plastic and add additional holes for assembly. Excess plastic is recycled back into the feedstock of the same color plastic chips for use in the molding process.

Metal Parts

Raw metal parts are purchased fully machined but without primer or paint. The parts are subcontracted to a vendor for primer and paint based upon the color requirements.

Facility

The company has a single warehouse that supports both the assembly and plastic manufacturing areas. The warehouse consists of three aisles with 15 bins and three shelves. The facility has no Wi-Fi capacity but has hardwired terminal

stations throughout the assembly production line.

Transactions are currently completed by office staff. Raw materials transfer must support capacity constraints for paint and primer.

Requirements

The company has a single warehouse that supports both the assembly and plastic manufacturing areas. The warehouse consists of three aisles with 15 bins and three shelves. The facility has no Wi-Fi capacity but has hardwired terminal

stations throughout the assembly production line.

Transactions are currently completed by office staff. Raw materials transfer must support capacity constraints for paint and primer.

Sales Order

The company has the following requirements for sales orders:

*

During the configuration of a sales order, invalid combinations must be prevented.

*

Each configuration must create a unique bill of material (BOM) and Route based on options selected.

*

Sales pricing for the sales order must be based upon options selected.



*

Due to emissions regulations, the motorcycles cannot be sold to the state of California.

Motorcycle manufacturing

The company has the following requirements for motorcycle manufacturing:

*

Schedule labor only at the labor pool level without machines by day

*

Produce motorcycles within a scheduled day in any order.

*

Record actual production labor with start/stop times.

*

Record manager approval of labor entered prior to posting.

*

Post actual material consumption after production is finished.

Plastic manufacture

The company has the following requirements for motorcycle manufacturing:

*

Schedule both labor and machines.

*

Adjust schedules by using a Gantt chart.

*

Backflush standard labor by operation.

*

Post actual material consumption at the start of production.

*

Track and allocate costs to the excess plastic.

*

Report multiple molded part numbers during the same production run.

*



Determine the correct mold to use on a production order.

*

Generate a batch number for each production order.

Metal Parts

The company has the following requirements for metal parts manufacturing:

*

Schedule shipments to the vendor for painting.

*

Receive painted parts into inventory from the vendor.

*

Track vendor inventory levels.

Default You must configure defaults for manufacturing execution production orders to meet the following requirements:

*

Ensure accuracy for production order pick list posting.

*

Ensure correct pick list creation.

Issues

A. In the current system, the company cannot calculate overhead rates and determine the breakdown of material, labor, machine, and overhead costs for production.

B. The company is manually calculating an 8% overhead on materials and posting a journal manually.

A. Set Order type in price model to Sales Order and Pricing method in Version to Attribute based

B. Set Order type in price model to Sales Order and Pricing method in Version to Cost based.

C. Set Order type in price model to Sales Quotation and Pricing method in Version to Attribute based.

D. Set Order type in price model to Sales Quotation and Pricing method in Version to Cost based

Correct Answer: A

QUESTION 2

SIMULATION



You are a functional consultant for Contoso Entertainment System USA (USMF).

You need to configure the system to ensure that a production release to a warehouse only occurs when the complete list of required components for a product is physically available.

To complete this task, sign in to Dynamics 365 portal.

Correct Answer:

1.

Navigate to Production control > Setup > Production parameters.

2.

Configure the Reservation field to Require full reservation.

Reference: <https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/set-up-production-processes-in-a-warehouse>

QUESTION 3

DRAG DROP

A company uses Dynamics 365 Supply Chain Management to sell fruits and vegetables.

Pricing is dependent on specific commodity market costs to assure fair market pricing.

You need to configure a batch job to update the price and margin data.

Which fields should you use in the configuration? To answer, drag the appropriate fields to the correct requirements. Each field may be used once, more than once, or not at all. You may need to drag the split bar between panes or scroll to

view content.

NOTE: Each correct selection is worth one point.

Select and Place:

**Fields**

Cost basis type

Dimension set

Pricing template

Trade agreement

Answer Area**Requirement**

Specify the commodity market for the foundation of the pricing.

Specify the quantity and margin values to use in the pricing calculations.

Field

Field

Field

Correct Answer:

Fields

Dimension set

Trade agreement

Answer Area**Requirement**

Specify the commodity market for the foundation of the pricing.

Specify the quantity and margin values to use in the pricing calculations.

Field

Cost basis type

Pricing template

Explanation:

Box 1: Cost basis type

The following parameters in Inventory management > Setup > Inventory and Warehouse Parameters > Commodity Pricing tab must be set to use commodity pricing in Dynamics 365 Supply Chain Management.

Cost basis type - Select the cost basis to use as the default for new pricing calculations.

Pricing template - Select the pricing template to use as a default when you generate a pricing and margin update.

Incorrect:

Dimension set - Enter the financial dimensions to use as the default account, department, cost center, and purpose for commodity pricing.

Box 2: Pricing template

Use this procedure to set up quantity and margin template criterion, such as price margin amounts and percentages, to be attached to a commodity pricing template.

Click Inventory management > Setup > Commodity pricing > Pricing template.



Select the commodity pricing template to which the new quantity and margin template must be attached.

Click the Quantity and margin template button.

Etc.

Batch job quantity and margin values

Reference: <https://docs.microsoft.com/en-us/learn/modules/work-commodity-pricing-compliance-dyn365-supply-chain-mgmt/1-configure>

<https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/create-a-quantity-and-margin-template>

QUESTION 4

HOTSPOT

A company produces homeopathic lotions for pain relief and uses Dynamics 365 for Finance and Operations.

Several components used in the production of the pain-relieving lotion and oils have special government-mandated reporting requirements.

You need to ensure the company can provide the appropriate reporting and tracking for these components.

Which parameters should you use? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:

An ingredient can be shipped throughout the United States for medicinal uses but cannot be shipped to the state of Texas.

| |
|---|
| ▼ |
| Create an inclusive restricted list for the United States and an exclusive restricted list for Texas. |
| Create an exclusive regulated list for Texas and an inclusive restricted list for the United States. |
| Create a regulated regional list for Texas. |

All shipments of the ingredient must contain a product safety data sheet (PSDS). The PSDS is valid for one year and must be reviewed every six months.

| |
|--|
| ▼ |
| Set the PSDS validity in days value to 180 and the expiry advice in days value to 180. |
| Set the PSDS validity in days value to 365 and the expiry advice in days value to 180. |
| Set the PSDS validity in days value to 365 and the expiry advice in days value to 365. |

Correct Answer:

An ingredient can be shipped throughout the United States for medicinal uses but cannot be shipped to the state of Texas.

| |
|---|
| ▼ |
| Create an inclusive restricted list for the United States and an exclusive restricted list for Texas. |
| Create an exclusive regulated list for Texas and an inclusive restricted list for the United States. |
| Create a regulated regional list for Texas. |

All shipments of the ingredient must contain a product safety data sheet (PSDS). The PSDS is valid for one year and must be reviewed every six months.

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|--|
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| Set the PSDS validity in days value to 180 and the expiry advice in days value to 180. |
| Set the PSDS validity in days value to 365 and the expiry advice in days value to 180. |
| Set the PSDS validity in days value to 365 and the expiry advice in days value to 365. |



Reference: <https://community.dynamics.com/365/supply-chain-management/b/axsupplychainmanagementandmanufacturing/posts/managing-compliance-with-process-manufacturing-in-dynamics-ax2012> <https://docs.microsoft.com/en-us/dynamicsax-2012/appuser-itpro/set-up-product-compliance-parameters>

QUESTION 5

HOTSPOT

A company plans to implement routing and route postings.

You must direct postings of route cards based upon the route groups at Report as finished.

You set the start default order setting for route posting to Never and the Report as finished setting to Route Group Dependent.

You set up the route group as shown below.

Route groups

Route group

STD

Name

Standard routing group

General

ESTIMATION AND COSTING

Setup time

Yes ☒

Run time

Yes ☒

Quantity

No ☒

AUTOMATIC ROUTE CONSUMPTION

Setup time

No ☒

Run time

Yes ☒

Quantity

No ☒

FEEDBACK

Report operation as finished

No ☒

Setup

| ✓ | Route/job type | Activation | Job management | Working time | Capacity |
|---|----------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | Queue before | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Setup | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Process | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |
| | Overlap | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | Transport | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| | Queue after | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Use the drop-down menus to select the answer choice that completes each statement based on the information presented in the graphic.

NOTE: Each correct selection is worth one point.



Hot Area:

The route card posted at Report as finished will contain:

| |
|--------------------|
| |
| Setup time only |
| Run time only |
| Setup and Run time |
| No transactions |

Based upon the setup of the route group, the company may experience the following issue:

| |
|---|
| |
| Setup time must be manually posted. |
| Working time is used for transport time. |
| Capacity is not consumed with transport time? |
| Job control is used for run time. |

Correct Answer:

The route card posted at Report as finished will contain:

| |
|--------------------|
| |
| Setup time only |
| Run time only |
| Setup and Run time |
| No transactions |

Based upon the setup of the route group, the company may experience the following issue:

| |
|---|
| |
| Setup time must be manually posted. |
| Working time is used for transport time. |
| Capacity is not consumed with transport time? |
| Job control is used for run time. |

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