



MB-320^{Q&As}

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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QUESTION 1

HOTSPOT

A company uses Dynamics 365 Supply Chain Management.

The company plans to use the Asset management module to maintain its installed base of milling machine fixtures.

The module must be configured to handle the following requirements:

An oil sampling must be taken from each machine at regular intervals.

All calibration types (tooling, instrumentation, and tolerances) that share a required performance skillset must be managed together.

The company is unable to perform in-house preventive maintenance skills on the pneumatic tapping machines. Therefore, the company hires outside services for it.

All maintenance must be scheduled at the same time for efficiency and cost savings.

You need to configure the system.

Which option should you configure? To answer, select the appropriate options in the answer area.

NOTE: Each correct selection is worth one point.

Hot Area:



Requirement

Option

Oil sampling

	▼
Maintenance job type	
Maintenance request type	
Maintenance job type category	

Calibration types

	▼
Maintenance request type	
Maintenance job type variant	
Maintenance job type category	

Preventive maintenance on
pneumatic tapping machines

	▼
Maintenance round	
Condition assessment	
Work order lifecycle state	

Correct Answer:



Requirement

Option

Oil sampling

	▼
Maintenance job type	
Maintenance request type	
Maintenance job type category	

Calibration types

	▼
Maintenance request type	
Maintenance job type variant	
Maintenance job type category	

Preventive maintenance on
pneumatic tapping machines

	▼
Maintenance round	
Condition assessment	
Work order lifecycle state	

Explanation:

Box 1: Maintenance job type

An oil sampling must be taken from each machine at regular intervals.

An asset type is attached to every asset. Asset types define the maintenance job types (and therefore, the maintenance jobs) that can be performed on assets. When you create a work order, you must select a maintenance job type. You can

select only the maintenance job types that are related to the setup of the asset type that is used for the asset.

Incorrect:

* Maintenance job type variants can be set up on a maintenance job type. Maintenance job type variants define variations of a job type, such as sizes (small, medium, or large), periods (weekly, biweekly, one month, or three months), and configurations (low standard, flexible, or high performance).

Box 2: Maintenance job type category



All calibration types (tooling, instrumentation, and tolerances) that share a required performance skillset must be managed together.

Maintenance job type categories are used to collect a group of maintenance job types for overview purposes. Examples of maintenance job type categories might include Calibration, Inspection, Overhaul, and Instrumentation.

Box 3: Maintenance round

The company is unable to perform in-house preventive maintenance skills on the pneumatic tapping machines. Therefore, the company hires outside services for it.

Maintenance plans are used for preventive and reactive maintenance on individual assets. Maintenance rounds are used for preventive maintenance on a group or a set of assets.

Note: Preventive maintenance overview

In Asset Management, you can create maintenance plans and set them up on assets and functional locations. You can also set up maintenance rounds on functional locations. Maintenance plans on assets are active regardless of where the

asset is installed. Maintenance plans and maintenance rounds on functional location are active for the assets currently installed at the location. Instead of setting up maintenance plans on assets, or setting up maintenance rounds on

functional locations, you can create maintenance rounds that include multiple assets on which you need to perform related types of maintenance jobs in the same work routine. Maintenance rounds created from assets - instead of created on

functional locations - means that you can select a number of assets for one maintenance round, which are not installed on the same functional location.

Note: All maintenance must be scheduled at the same time for efficiency and cost savings.

Reference: <https://learn.microsoft.com/en-us/dynamics365/supply-chain/asset-management/setup-for-work-orders/job-groups-and-job-types-variants-trades-and-checklists> <https://learn.microsoft.com/en-us/dynamics365/supply-chain/asset-management/preventive-and-reactive-maintenance/preventive-maintenance-overview>

QUESTION 2

A skateboard manufacturer uses route operations to schedule resources and estimate units per hour. All products use the sample sub assembly item and resource sanding process.

You observe an increase in the number of units a sanding belt resource can produce. The production schedule is now inaccurate due to the number of units the sanding belt line can produce.

You must make a permanent change to the number of units the resource can produce for all future orders.

You need to adjust the process quantity on the route operation.

Which three actions should you perform in sequence? To answer, move the appropriate actions from the list of actions to the answer area and arrange them in the correct order.

Select and Place:



Actions

Answer Area

- In the Process qty, field, update the quantity.
- In the engineering tab of the subassembly item, select route.
- Select items on the operation that use the resource.
- Select the calendar related to the resource.
- Create a new working time template.
- Apply the new template to the resource's calendar.

Correct Answer:

Actions

Answer Area

-
-
-
- Select the calendar related to the resource.
 - Create a new working time template.
 - Apply the new template to the resource's calendar.

In the engineering tab of the subassembly item, select route.

Select items on the operation that use the resource.

In the Process qty, field, update the quantity.

QUESTION 3

A company wants to account for the time to set up a machine to manufacture a new part.

You need to set up the costing calculations in the system.



Which three calculation group warnings can you set up? Each correct answer presents a complete solution.

NOTE: Each correct selection is worth one point.

- A. No consumption
- B. No cost price
- C. No BOM
- D. No resources
- E. No route

Correct Answer: BCE

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/cost-management/bom-calculation-groups>

QUESTION 4

A company has a Dynamics 365 Supply Chain Management implementation. The company plans a promotional sales campaign that targets top customers.

The sales campaign will guarantee that orders are delivered within a specific two-week period.

The system configuration must prioritize a group of similar production orders so they can be scheduled at the same time.

You need to configure the system.

What should you create?

- A. Production pool
- B. Production group
- C. Production flow model
- D. Production unit

Correct Answer: A

QUESTION 5

You need to configure production operations for the pine and orange scent solutions.

Which three actions should you perform? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

- A. Use a purchase agreement as a service agreement.
- B. Configure a costing resource and requirement to point to a Vendor type resource.



- C. Configure the inventory policy for the item model group to set the value of the Stocked product option to Yes.
- D. Allocate subcontracted work in its own cost breakdown block.
- E. Configure the BOM line to be of type Vendor and associate the corresponding vendor account.

Correct Answer: BCE

Explanation:

Subcontracting of route operations

To use subcontracting of route operations for production or batch orders, the service product that is used for the procurement of the service must be defined as a product of the Service type. Additionally, it must have an item model group that

has the Stocked product option under Inventory policy set to Yes. This option defines whether a product is accounted as inventory on product receipt (Stocked product = Yes), or whether the product is expensed on a profit and loss account

(Stocked product = No). Although this behavior might seem contradictory, it's based on the fact that only products that have this policy will create inventory transactions that can be used in cost control to calculate planned cost and determine

the actual cost when a production order is ended.

To be considered in planning and cost calculation, the service must be added to the BOM. The BOM line must be of the Vendor type, and it must be allocated to the route operation that the service is allocated to. This route operation must

have a costing resource and resource requirement that point to a resource of the Vendor type that connects the operation and the related service to the corresponding vendor account.

Note:

There are two methods for modeling subcontracting work for production operations. These methods differ in the way that the subcontracting process can be modeled, the way that semi-finished products are represented in the process, and

the way that cost control is managed.

*

Subcontracting of route operations in production orders or batch orders

The service product must be a stocked product, and it must be part of the BOM.

This method supports first in, first out (FIFO) or standard cost.

Semi-finished products are represented by the service product in the process.

Cost control allocates the costs that are associated with subcontracted work to the material costs.

*

Subcontracting of production flow activities in a lean production flow

Scenario: Liquid cleaning solutions:



No scent

Orange scent (subcontracted to a vendor named VendorA)

Pine scent (subcontracted to a vendor named VendorA)

You must set up production operations for sub-contracting of Pine scent and Orange scent solution to VendorA to ensure that a purchase order is automatically created based on estimation of a production order.

Reference:

<https://learn.microsoft.com/en-us/dynamics365/supply-chain/production-control/manage-subcontract-work-production>

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