



# MB-320<sup>Q&As</sup>

Microsoft Dynamics 365 Supply Chain Management, Manufacturing

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### QUESTION 1

A company plans to use master planning in Dynamics 365 Supply Chain Management. The company will sell items between legal entities.

The company has several facilities across legal entities that can manufacture the same products- Some products are produced only in some plants. To meet product demand, when one facility runs over capacity, another facility is used to fulfill the downstream demand.

The organizational entities are: Legal Entity A: Plant 1,2, and 3 Legal Entity B: Plant 4 and 5 Legal Entity C: Plant 6, 7, and 8

The following plants must be planned together Plant 1, Plant 3, and Plant 4 Plant 2, Plant 6, and Plant 8 Plant 5 and Plant 7

You need to configure master planning for the facilities. Which configuration mechanism should you use?

- A. Intercompany planning groups
- B. Coverage groups
- C. Item model groups
- D. Production groups

Correct Answer: A

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### QUESTION 2

You need to configure the system for plastic operations.

Which two parts should be manually reported as finished? Each correct answer presents part of the solution.

NOTE: Each correct selection is worth one point.

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. unmachined plastic pieces

B. mold tooling

C. machined plastic pieces

D. excess plastic

Correct Answer: AC

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### QUESTION 3

Note: This question is part of series of questions that present the same scenario. Each question in the series contains a unique solution that might meet the stated goals. Some question sets might have more than one correct solution, while

others might not have a correct solution.

After you answer a question in this section, you will NOT be able to return to it. As a result, these questions will not appear in the review screen.

A manufacturing plant uses batch tracking of raw materials, semi-finished goods, and finished goods.

It is difficult to determine when semi-finished and finished goods were produced and expired.

You need to incorporate automatic batch expiration dates for tracked items that are produced.

Solution:

1.

Assign shelf life period in days to the items that require expiration dates.

2.



Create a new reservation hierarchy that places batch at one.

- 3.
- Assign the new reservation hierarchy to the items that require expiration dates. Does the solution meet the goal?
- A. Yes
  - B. No

Correct Answer: B

---

#### QUESTION 4

##### HOTSPOT

A candy manufacturer uses Dynamics 365 Supply Chain Management.

A master planning run needs to prioritize the production jobs for fruit snacks by flavor and color every 16 days.

You need to configure the appropriate parameters in the coverage group.

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

NOTE: Each correct selection is worth one point.

Hot Area:



# Answer Area

## Field

## Configuration

Time fence

	▼
Sequencing	
Capacity	
Forecast plan	

Period type

	▼
Day	
Week	
Month	
Quarter	

Correct Answer:





# Answer Area

## Field

## Configuration

Time fence

	▼
Sequencing	
Capacity	
Forecast plan	

Period type

	▼
Day	
Week	
Month	
Quarter	

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/master-planning/master-planning-setup>

### QUESTION 5

You are using the manufacturing execution module in Dynamics 365 Supply Chain Management.

License plate labels must be printed for products in the Report as finished step.

You need to use the manufacturing execution functionality that meets this requirement.

What should you use?

- A. Job card device
- B. Production waves
- C. License plates



D. Operations schedules

Correct Answer: A

Reference: <https://docs.microsoft.com/en-us/dynamics365/supply-chain/production-control/report-finished-job-device>

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