

Exam MB-320: Microsoft Dynamics 365 Supply Chain Management, Manufacturing – Skills Measured

This exam was updated on October 16, 2020. Following the current exam guide, we have included the previous version of the exam guide with a change log below it.

Audience Profile

Candidates for this exam are functional consultants who analyze business requirements and translates those requirements into fully realized business processes and solutions that implement industry best practices. Candidates serve as a key resource in implementing and configuring applications to meet business requirements.

Candidates for this exam have a fundamental understanding of accounting principles and financial operations of businesses, customer service, field service, manufacturing, retail, and supply chain management concepts.

Candidates for this exam typically specialize in one or more feature sets of Finance and Operations, including finance, manufacturing, and supply chain management.

Candidates must have some knowledge of manufacturing practices.

Skills Measured

NOTE: The bullets that appear below each of the skills measured are intended to illustrate how we are assessing that skill. This list is NOT definitive or exhaustive.

NOTE: In most cases, exams do NOT cover preview features, and some features will only be added to an exam when they are GA (General Availability).

Configure Dynamics 365 Supply Chain Management, Manufacturing (35-40%)

Configure and manage the production control module

- manage product compliance
- configure commodity pricing
- configure scrap and waste
- differentiate and configure production parameters and statuses
- configure substitute items
- implement subcontracting

- configure production groups, production units, and production pools

Configure and manage resources for production processes

- implement and manage work calendars and working time
- configure inventory, product, storage, and tracking dimensions in production
- create and configure resource capabilities
- implement and manage resources and resource groups
- create and manage operations and routes

Configure process manufacturing

- configure batch reservations and expiration dates
- identify and configure batch attributes
- configure batch balancing
- configure co-products and by-products for batch orders
- configure planning items
- configure formulas by using scalable and percentage-based calculations
- configure formulas by using active ingredient-based calculations
- configure catch weight items

Configure discrete manufacturing

- create bill of materials (BOM) and item configurations
- create and release a dimension-based product master
- define configuration groups and routes for dimension-based product

Configure lean manufacturing

- create value streams and production flows
- configure production flow costing
- create Kanban rules

Manage manufacturing processes (20-25%)

Manage batch orders

- create and process batch orders
- implement lot and batch control processes
- configure consolidated batch order processes
- create and process report as finished co-product journals
- manage batch order sequencing
- create and process a rework batch order

Manage production orders

- creating and process production orders
- create and process picking journals
- create and process job card journals
- create and process report as finished journals
- reset the status of a production order

Manage Kanban orders

- process Kanban orders by using Kanban boards
- create and manage fixed, scheduled, and event Kanbans
- implement activity-based subcontracting

Implement master planning for production (10-15%)

Configure and manage master planning

- set up coverage groups and item coverage
- differentiate between action messages, delay messages, time fences, and negative days
- process and view planned orders

Plan, schedule, and perform production capacity planning

- define scheduling parameters
- view, monitor, and update production schedules
- configure capacity for production resources including machines, labor, and tooling

Implement other manufacturing features (15-20%)

Configure manufacturing execution

- configure time and attendance prerequisites and parameters
- identify the capabilities of Manufacturing Execution
- process production and batch orders by using manufacturing execution processes
- configure job card devices and terminals
- register a worker for a job card device or terminal

Configure costing policies

- configure and manage costing sheets
- configure and use cost groups
- configure indirect costs

- configure and manage costing versions and cost categories
- configure and perform BOM/formula calculations

Design product configuration models by using Product Configurator

- create and build a product configuration model that includes components and subcomponents
- create and manage product configuration model components
- create calculations for product configuration models
- differentiate between table and expression constraints
- describe use cases for BOM lines and route operations
- configure and manage pricing for production configuration models
- describe the purpose and capabilities of the product configuration models

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Set up and configure Manufacturing (30-35%)

Implement and test the Production control module

- identify components of unified manufacturing
- validate the interconnectivity between General Ledger and the Production Control modules
- implement Production control parameters, Production orders, and Life Cycle
- implement and manage subcontracting processes
- configure and manage costing sheets
- implement and manage work calendars
- configure inventory, product, storage, and tracking dimensions in Production
- implement and manage resources and resource groups
- create and manage operations and routes

Configure and manage a product configuration model

- create and manage product configuration model components
- create and manage products
- create calculations for product configuration models
- configure and manage constraints
- configure and manage BOM lines and route operations
- configure and manage pricing for production configuration models
- describe the purpose and capabilities of the product configuration models
- customize a product configuration model
- configure production groups and production pools

Create and manage Production and Lean orders (25-30%)

Create common components of production and Lean orders

- create and configure Catch Weight items
- create value streams and production flows
- configure production flow costing
- create and manage Kanbans
- create and manage Formulas
- create and process Batch, Production, and Lean orders
- set up and maintain commodity pricing
- apply Product Compliance standards
- identify items and substitute items within a bill of material (BOM) or Formula

Manage scheduling and subcontracting

- implement processes to manage Scrap and Waste for a Discrete order
- implement production scheduling and subcontracting and production flow costing
- implement activity-based subcontracting
- create and maintain project items and item tasks

Create, process, and manage Production Batch orders (40-45%)

Manage the Production Batch order lifecycle

- process batch orders
- implement containerized packaging
- set up and maintain commodity pricing
- manage product compliance
- implement and configure rebates
- implement lot and batch control processes
- configure commodity pricing and product compliance
- create planned production batch orders by using the Master Planning module

- implement processes to manage Scrap and Waste of a Batch order
- perform a batch Rework
- configure batch reservations and expiration dates
- identify and configure batch attributes for processes
- manage Batch balancing process
- implement integrated batch processing with warehouse management system (WMS), also known as Advanced Warehouse Management
- complete production processes for co-products and byproducts

Manage and maintain Formulas

- create and manage Co-products and By-products
- create and manage Planning items
- create and manage formulas with scalable and percentage-based calculations
- create and manage formulas with co-products, by-products, and planning items
- create and manage formulas with active ingredient-based calculations
- implement step consumption and batch consumption

Configure and manage Manufacturing Executions

- identify the capabilities and limitations of the Manufacturing Executions module
- identify the responsibilities of the Security Role managing the production processes
- process Production orders by using manufacturing execution processes
- process Lean orders by using Kanban boards
- identify the process workflows for managing a production environment

Change Log

- Prior to the refresh of the MB-320 exam, the study guide had 7 objectives and 3 functional groups.
- It would be difficult to list all the changes to this OD. SMEs reorganized content. The first two functional groups cover configuration and management of the three manufacturing disciplines.
- Functional groups 3 and 4 represent features that were not included on the previous version of the OD or features that are receiving more focus.