Fold each printed sheet in half lengthwise. The left side of the document will list the term and the right side will list the definition. Tape or staple the open edges of your flashcards. Cut out your flashcards on the solid lines indicated and fold them on the dotted lines.

Module 2 Section A: S&OP Purpose and Process Term Aggregate inventory APICS CPIM Learning System © 2024	The inventory for any grouping of items or produ involving multiple stockkeeping units. See: base inventory level.	
Module 2 Section A: S&OP Purpose and Process	All the customer orders received but not yet shipped.	
Term Backlog APICS CPIM Learning System © 2024	Sometimes referred to as open orders or the order board. See: order backlog, past due order.	
Module 2 Section A: S&OP Purpose and Process	The process of combining statistical forecasting techniques and judgment to construct demand estimates for products or services (both high and low volume; lumpy and continuous) across the supply chain from the suppliers' raw materials to t consumer's needs. Items can be aggregated by product fam geographical location, product life cycle, and so forth, to determine an estimate of consumer demand for finished products, service parts, and services. Numerous forecasting models are tested and combined with judgment from marketing, sales, distributors, warehousing, service parts, an other functions. Actual sales are compared to forecasts provided by various models and judgments to determine the best integration of techniques and judgment to minimize forecast error. See: demand management.	
Term Demand planning APICS CPIM Learning System © 2024		
Module 2 Section A: S&OP Purpose and Process	1) The time that is necessary to finish manufactu	
Term Finishing lead time	good after receipt of a customer order. 2) The tin allowed for completing the good based on the fir assembly schedule.	ne
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Module 2 Section A: S&OP Purpose and Process Term Order backlog	A past due order or open order yet to be fulfilled. Syn.: backlog.	
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Module 2 Section A: S&OP Purpose and Process	The amount of time a plan extends into the future. Fo a master schedule, this is normally set to cover a minimum of cumulative lead time plus time for lot	
Term Planning horizon	sizing low-level components and time for capacity changes of primary work centers or of key suppliers. For longer-term plans, [this] must be long enough to permit any needed additions to capacity. See: cumulative lead time, planning time fence.	
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Module 2 Section A: S&OP Purpose and Process	A group of products or services that pass through similar processing steps, have similar characteristics,	
Term Product family	and share common equipment prior to shipment or delivery to the customer. Can be from different overlapping product lines that are produced in one factory and often used in production planning (or sales and operations planning). See: product line.	
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Module 2 Section A: S&OP Purpose and Process	A group of products associated by function, consumer group, distribution channel, manufacturing characteristics, or price range. Typically reflects the	
Term Product line	characteristics, or price range. Typically reflects the marketing and sales aspects of a product or service (similar in customer needs) and used in aggregate planning, marketing, costing, and sales planning. See product family, product group.	
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Module 2 Section A: S&OP Purpose and Process	The proportion of individual products that make up the	
Term Product mix	total production or sales volume. Changes in [this] can mean drastic changes in the manufacturing	
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	In sales and operations planning, a general approach to dividing products or services into families, brands, and subfamilies for various planning levels. This	
Term Product/service bierarchy	ensures that a correct top-down or bottom-up approach is taken to grouping (or aggregating) demand at each subsequent level. Forecasts are more accurate the higher up the product hierarchy they are developed; consequently, forecasts should usually be driven down from the top.	
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Module 2 Section A: S&OP Purpose and Process	A process to develop tactical plans that provide management the ability to strategically direct its businesses to achieve competitive advantage on a continuous basis by integrating customer-focused marketing plans for new and existing products with the management of the supply chain. The process brings together all the plans for the business (sales, marketing, development, manufacturing, sourcing, and financial) into one integrated set of plans. [This]	
Term Sales and operations planning	is performed at least once a month and is reviewed by management at an aggregate (product family) level. The process must reconcile all supply, demand, and new product plans at both the detail and aggregate levels and tie to the business plan. It is the definitive statement of the company's plans for the near to intermediate term, covering a horizon sufficient to plan for resources and to support the annual business planning process. Executed properly, [this] process links the strategic plans for the business with its execution and reviews performance measurements for continuous improvement. See: aggregate planning, executive sales and operations planning, production plan, production planning, sales plan, tactical planning.	
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Module 2 Section A: S&OP Purpose and Process	A time-phased statement of expected customer orders anticipated to be received (incoming sales, not outgoing shipments) for each major product family or item. Represents sales and marketing management's commitment to take all reasonable steps necessary to	
Term Sales plan	achieve this level of actual customer orders. Is a necessary input to the production planning process (or sales and operations planning process). Expressed in units identical to those used for the production plan (as well as in sales dollars). See: aggregate planning, production plan, production planning, sales and operations planning.	
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Module 2 Section A: S&OP Purpose and Process	The set of functional plans (e.g., production plan, sales plan, marketing plan) synchronizing activities across functions that specify production levels, capacity levels, staffing levels, funding levels, and so on, for achieving	
Term Tactical plan	the intermediate goals and objectives to support the organization's strategic plan. See: aggregate planning operational plan, production planning, sales and operations planning, strategic plan, tactical planning.	
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Module 2 Section A: S&OP Purpose and Process	The unit is which the quantity of an item is managed	
Term Unit of measure	The unit in which the quantity of an item is managed (e.g., pounds, each, box of 12, package of 20, case of 144).	
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Module 2 Section B: Aggregate Demand and Supply <i>Plans</i>	An estimate of sales, often time-phased, for a grouping of products or product families produced by a facility or	
Term Aggregate forecast	firm. Stated in terms of units, dollars, or both, [this] is used for sales and production planning (or for sales	
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Module 2 Section B: Aggregate Demand and Supply Plans	One-half the average lot size plus the safety stock, when demand and lot sizes are expected to be relatively uniform over time. The average can be	
Term Average inventory	observations taken over several historical time periods; for example, 12-month ending inventories may be averaged. When demand and lot sizes are not	
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Module 2 Section B: Aggregate Demand and Supply Plans Term Bill of resources	A listing of the required capacity and key resources needed to manufacture one unit of a selected item or family. Rough-cut capacity planning uses [these] to calculate the approximate capacity requirements of the master production schedule. Resource planning may use a form of [this]. Syn.: bill of capacity. See: bill of labor, capacity planning using overall factors, product load profile, resource profile, rough-cut capacity planning, routing.
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Module 2 Section B: Aggregate Demand and Supply Plans	Costs generally related to increasing (or decreasing) capacity in the medium- to long-range time horizon. Personnel costs include hiring and training of direct laborers, supervisors, and support personnel in the
Term Capacity-related costs	areas related to the capacity increase. Equipment purchases to increase capacity are also considered. In contrast, costs related to decreasing capacity include layoffs, the fixed overhead spread over fewer units, the impact of low morale, and the inefficiencies of lower production levels.
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Module 2 Section B: Aggregate Demand and Supply Plans	A production planning method that maintains a stable
Term Chase production method	inventory level while varying production to meet demand. Companies may combine [this] and level production schedule methods. Syn.: chase strategy, chase-demand strategy.
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Module 2 Section B: Aggregate Demand and Supply Plans	aspects of both the chase and level production
Term Hybrid production method	planning methods. Syn.: hybrid manufacturing process, hybrid strategy. See: chase production method, level production method, production planning method.

Module 2 Section B: Aggregate Demand and Supply Plans Term Interplant demand	One plant's need for a part or product that is produced by another plant or division within the same organization. Although it is not a customer order, it is usually handled by the master production scheduling system in a similar manner. See: interplant transfer.	
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Module 2 Section B: Aggregate Demand and Supply <i>Plans</i>	A production planning method that maintains a stable	
Term Level production method	production rate while varying inventory levels to meet demand. Syn.: level strategy, production leveling. See: level schedule.	
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Module 2 Section B: Aggregate Demand and Supply <i>Plans</i>	1) In traditional management, a production schedule of master production schedule that generates material and labor requirements that are as evenly spread over time as possible. Finished goods inventories buffer the	
Term Level schedule	 production system against seasonal demand. See: level production method. 2) In JIT, [this is usually constructed monthly, and] each day's customer demand is scheduled to be built on the day it will be shipped. [It] is the output of the load-leveling process. Syn.: JIT master schedule, level production schedule. See: load leveling. 	
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Module 2 Section B: Aggregate Demand and Supply <i>Plans</i>		
Term Product group forecast	A forecast for a number of similar products. See: aggregate forecast, product group.	
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Module 2 Section B: Aggregate Demand and Su Plans Term Production plan	ıpply	The agreed-upon plan that comes from the [sales and operations planning process]—specifically, the overall level of manufacturing output planned to be produced, usually stated as a monthly rate for each product family (group of products, items, options, features, and so on). Various units of measurement (e.g., units, tonnage, standard hours, number of workers) can be used to express the plan. Represents management's authorization for the master scheduler to convert it into a more detailed plan—that is, the master production schedule. See: sales and operations planning, sales plan.	
APICS CPIM Learning System	© 2024	pan.	
Module 2 Section B: Aggregate Demand and Su Plans	ipply	A process to develop tactical plans based on setting the overall level of manufacturing [output] and other activities to best satisfy the current planned levels of sales (sales plan or forecasts), while meeting general business objectives of profitability, productivity, competitive customer lead times, etc., as expressed in the overall business plan. The sales and production capabilities are compared, and a business strategy that includes sales plan, a production plan, budgets, pro forma financial statements, and	
Term Production planning APICS CPIM Learning System	© 2024	supporting plans for materials and workforce requirements, and so on, is developed. A primary purpose is to establish production rates that will achieve management's objective of satisfying customer demand by maintaining, raising, or lowering inventories or backlogs, while usually attempting to keep the workforce relatively stable. Because this plan affects many company functions, it is normally prepared with information from marketing and coordinated with the functions of manufacturing, sales, engineering, finance, human resources, etc. See: aggregate planning, production plan, sales and operations planning, sales plan.	
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Module 2 Section B: Aggregate Demand and Supply Plans		Capacity planning conducted at the business plan level. The process of establishing, measuring, and adjusting limits or levels of long-range capacity. [This] is normally based on the production plan but may be	
Term Resource planning		time to acquire. [Decisions based on this] always require top management approval. Syn.: resource requirements planning. See: capacity planning, long-	
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Module 2 Section B: Aggregate Demand and Su Plans	Ipply		
Term Substitution		The use of a nonprimary product or component, normally when the primary item is not available.	
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Module 2 Section C: Reconciling S&OP Plans	supply. 2) In the context of master production scheduling, the additional inventory and capacity
Term Safety stock	short-term changes in the backlog. Overplanning can
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Module 2 Section C: Reconciling S&OP Plans	
Term Stockout	A lack of materials, components, or finished goods that are needed. See: backorder.
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