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 6 Section A: Inventory Planning		The classification of a group of items in decreasing order of annual dollar volume (price multiplied by projected volume) or other criteria. This array is then split into three classes []. The [first] group usually represents 10 percent to 20 percent by number of items and 50 percent to 70 percent by projected dollar volume. The next grouping [] usually
Term ABC classification		represents about 20 percent of the items and about 20 percent of the dollar volume. The [third] class contains 60 percent to 70 percent of the items and represents about 10 percent to 30 percent of the dollar volume. The ABC principle states that effort and money can be saved through applying looser controls to the low-dollar-volume class items than to the high-dollar-volume class items. The ABC principle is applicable to inventories, purchasing, and sales. Syn.: ABC analysis, distribution by value. See: 80-20, Pareto analysis, Pareto's law.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		
Term Aggregate inventory management		Establishing the overall level (dollar value) of inventory desired and implementing controls to achieve this goal.
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Module 6 Section A: Inventory Planning		Additional inventory above basic pipeline stock to cover
Term Anticipation inventories		projected trends of increasing sales, planned sales promotion programs, seasonal fluctuations, plant shutdowns, and vacations.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		
Term Buffer		In theory of constraints, time or material that supports throughput and/or due date performance.
APICS CPIM Learning System	© 2024	

Module 6 Section A: Inventory Planning Term Cycle stock APICS CPIM Learning System	© 2024	and is replenished cyclically when supplier orders are received and screptenished cyclically when supplier orders are
Module 6 Section A: Inventory Planning		Creating independence between supply and use of material. Commonly denotes allocating inventory
Term Decoupling		production rate of the supplying operation do not
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		An amount of inventory maintained between entities in
Term Decoupling inventory		a manufacturing or distribution network to create independence between processes or entities. The objective of [this] is to disconnect the rate of use from the rate of supply of the item. See: buffer.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		
Term Distressed goods		Products that are damaged or close to their expiration date and cannot be sold at full price.
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Module 6 Section A: Inventory Planning		
Term Distribution inventory		Inventory, usually spare parts and finished goods, located in the distribution system (e.g., in warehouses or in transit between warehouses and the consumer).
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		Any inventory in the system that exceeds the minimum amount necessary to achieve the desired throughput
Term Excess inventory		rate at the constraint or that exceeds the minimum amount necessary to achieve the desired due date performance. Total inventory = productive inventory + protective inventory + excess inventory.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		Those items on which all manufacturing operations,
Term Finished goods inventory	1	including final test, have been completed. These products are available for shipment to the customer as either end items or repair parts. Syn.: finished products inventory. See: goods.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		
Term Fluctuation inventory		Inventory that is carried as a cushion to protect against forecast error. Syn.: fluctuation stock. See: inventory buffer.
APICS CPIM Learning System	© 2024	

Module 6 Section A: Inventory Planning Term Hedge inventory			A form of inventory buildup to buffer against some event that may not happen. [Planning] involves speculation related to potential labor strikes, price increases, unsettled governments, and events that could severely impair a company's strategic initiatives. Risk and consequences are unusually high, and top management approval is often required.
APICS CPIM Learning System	© 2024		
Module 6 Section A: Inventory Planning			Material moving between two or more locations, usually
Term In-transit inventory			separated geographically; for example, finished goods being shipped from a plant to a distribution center.
APICS CPIM Learning System	© 2024		
Module 6 Section A: Inventory Planning			
Term Inactive inventory			Stock designated as in excess of consumption within a defined period; stocks of items that have not been used for a defined period.
APICS CPIM Learning System	© 2024		
Module 6 Section A: Inventory Planning			1) Those stocks or items used to support production (raw materials and work-in-process items), supporting activities (maintenance, repair, and operating supplies), and customer service (finished goods and spare parts). Demand for inventory may be dependent or independent.
Term Inventory			Inventory functions are anticipation, hedge, cycle (lot size), fluctuation (safety, buffer, or reserve), transportation (pipeline), and service parts. 2) All the money currently tied up in the system. As used in theory of constraints, inventory refers to the equipment, fixtures, buildings, and so forth that the system owns—as well as inventory in the forms of raw materials, work-in-process, and finished goods.
APICS CPIM Learning System	© 2024		

Module 6 Section A: Inventory Planning		Inventory used to protect the throughput of an operation or the schedule against the negative effects
Term Inventory buffer		caused by delays in delivery, quality problems, delivery of an incorrect quantity, and so on. Syn.: inventory cushion. See: fluctuation inventory, safety stock.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		The activities and techniques of maintaining the
Term Inventory control		desired levels of items, whether raw materials, work in process, or finished products. Syn.: material control.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		
Term Inventory investment		The dollars that are in all levels of inventory.
APICS CPIM Learning System		
Module 6 Section A: Inventory Planning		
Term Inventory management		The branch of business management concerned with planning and controlling inventories.
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Module 6 Section A: Inventory Planning			
Term Inventory policy APICS CPIM Learning System	© 2024		A statement of a company's goals and approach to the management of inventories.
		-	
Module 6 Section A: Inventory Planning			Inventory that results whenever quantity price discounts, shipping costs, setup costs, or similar
Term Lot-size inventory			considerations make it more economical to purchase or produce in larger lots than are needed for immediate purposes.
APICS CPIM Learning System	© 2024		
Module 6 Section A: Inventory Planning			Items used in support of general operations and
Term Maintenance, repair, and operating (M supplies	1RO)	maintenance such as maintenance parts, and consumables used in the	maintenance such as maintenance supplies, spare parts, and consumables used in the manufacturing process and supporting operations.
APICS CPIM Learning System	© 2024		
Module 6 Section A: Inventory Planning			Inventory items that have met the obsolescence criteria established by the organization. For example, inventory
Term Obsolete inventory			that has been superseded by a new model or otherwise made obsolescent. [It] will never be used or sold at full value. Disposing of the inventory may reduce a company's profit.
APICS CPIM Learning System	© 2024		

Module 6 Section A: Inventory Planning Term Pipeline stock		Inventory in the transportation network and the distribution system, including the flow through intermediate stocking points. The flow time through the pipeline has a major effect on the amount of inventory required in the pipeline. Time factors involve order transmission, order processing, scheduling, shipping, transportation, receiving, stocking, review time, and so forth. Syn.: pipeline inventory. See: distribution system, transportation inventory.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		Purchased items or extracted materials that are converted via the manufacturing process into
Term Raw material		components and products.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		
Term Rework		Reprocessing to salvage a defective item or part.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		1) In general, a quantity of stock planned to be in inventory to protect against fluctuations in demand or supply. 2) In the context of master production
Term Safety stock		scheduling, the additional inventory and capacity planned as protection against forecast errors and short-term changes in the backlog. Overplanning can be used to create [this]. Syn.: buffer stock, reserve stock. See: hedge, inventory buffer.
APICS CPIM Learning System	© 2024	

Module 6 Section A: Inventory Planning		
Term Scrap		Material outside of specifications and possessing characteristics that make rework impractical.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		
Term Seasonal inventory		Inventory built up to smooth production in anticipation of a peak seasonal demand. Syn.: seasonal stock.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		
Term Semifinished goods		Products that have been stored in an uncompleted state and are awaiting final operations that will adapt them to different uses or customer specifications.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		Those modules, components, and elements that are
Term Service parts		Those modules, components, and elements that are planned to be used without modification to replace an original part. Syn.: repair parts, spare parts.
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Module 6 Section A: Inventory Planning		
Term Shelf life		The amount of time an item may be held in inventory before it becomes unusable.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		1) An inventory item. For example, a shirt in six colors and five sizes represents 30 [of these]. 2) In a
Term Stock keeping unit (SKU)		location. For example, one product stocked at the plant and at six different distribution centers would represent seven [of these].
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		
Term Transit inventory		stocking locations. See: transportation inventory.
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		
Term Transportation inventory		Inventory that is in transit between locations. See: pipeline stock, transit inventory.
APICS CPIM Learning System	© 2024	

Module 6 Section A: Inventory Planning		An inventory management technique in which materia
Term Wall-to-wall inventory		enters a plant and is processed through the plant into
APICS CPIM Learning System	© 2024	
Module 6 Section A: Inventory Planning		material that has been released for initial processing
Term Work in process (WIP)		inventory. Many accounting systems also include the
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	An approach to inventory valuation in which variable costs and a portion of fixed costs are assigned to each
Term Absorption costing		unit of production. The fixed costs are usually allocated to units of output on the basis of direct labor hours, machine hours, or material costs, Svn.; allocation
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics		A cost accounting system that accumulates costs based on activities performed and then uses cost drivers to allocate these costs to products or other
Term Activity-based cost accounting		bases such as customers, markets, or projects. It
APICS CPIM Learning System	© 2024	

Module 6 Section B: Inventory and Product Costs, and Metrics Term Activity-based management (ABM) APICS CPIM Learning System		The use of activity-based costing information about cost pools and drivers, activity analysis, and business processes to identify business strategies; improve product design, manufacturing, and distribution; and remove waste from operations. See: activity-based cost accounting.
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	A cost system that collects costs historically as they
Term Actual cost system	0.0004	are applied to production and allocates indirect costs to products based on the specific costs and achieved volume of the products.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	A financial statement showing the resources owned,
Term Balance sheet		the debts owed, and the owner's share of a company at a given point in time. See: funds flow statement, income statement.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	 cost of capital invested as well as costs of maintaining
Term Carrying cost		 the inventory such as taxes and insurance, obsolescence, spoilage, and space occupied. Such costs vary from 10 percent to 35 percent annually, depending on type of industry. [It] is ultimately a policy variable reflecting the opportunity cost of alternative uses for funds invested in inventory. Syn.: holding costs.
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Module 6 Section B: Inventory and Product Costs, and Metrics Term Cash flow		The net flow of dollars into or out of the proposed project. The algebraic sum, in any time period, of all cash receipts, expenses, and investments. Also called cash proceeds or cash generated.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	The branch of accounting that is concerned with
Term Cost accounting		includes the reporting of costs by departments, activities, and products.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	
Term Cost control		Applying procedures that monitor the progress of operations against authorized budgets and taking action to achieve minimal costs.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	
Term Cost object driver		of the demand placed on one cost object by other cost objects.
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Module 6 Section B: Inventory and Product Costs, and Metrics Term Cost of goods sold (COGS)	Value,	An accounting classification useful for determining the amount of direct materials, direct labor, and allocated overhead associated with the products sold during a given period of time. See: cost of sales.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics		In cost accounting, the difference between what has
Term Cost variance		been budgeted for an activity and what it actually costs.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	 1) Inventory-on-hand metric converted from how long the units will last. For example, if 2,000 units on hand and the company is u per day, then there are 10 [of these]. 2) A measure of the value of all inventory in the 	now long the units will last. For example, if there are
Term Days of supply		per day, then there are 10 [of these]. 2) A financial measure of the value of all inventory in the supply chain divided by the average daily cost of goods sold
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value, directly attributed to a particular job or operation material and direct labor are traditionally consi this]. 2) In activity-based cost (ABC) accounting	 directly attributed to a particular job or operation. Direct material and direct labor are traditionally considered [to be this]. 2) In activity-based cost (ABC) accounting, a cost that can
Term Direct costs		particular cost object (e.g., the units produced, a production line, a department, a manufacturing plant). In contrast, if the cost must be allocated across various cost objects, it is an indirect cost. Based on the cost object under consideration, the classification of direct and indirect can change. ABC accounting assumes that more costs traditionally viewed as fixed costs are variable and can be traced to cost objects.
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Module 6 Section B: Inventory and Product Costs, and Metrics		Labor that is specifically applied to the good being
Term Direct labor		manufactured or used in the performance of the service. Syn.: touch labor.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	
Term Direct material		Material that becomes a part of the final product in measurable quantities.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	A method of inventory valuation for accounting purposes. The accounting assumption is that the
Term First in, first out (FIFO)	[oldest inventory is the first to be used], but the necessary relationship with the actual physica	[oldest inventory is the first to be used], but there is no necessary relationship with the actual physical movement of specific items. See: first-come-first-
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	Traditionally, all manufacturing costs—other than di
Term Fixed overhead		products are not produced. Although [this] is necessary to produce the product, it cannot be directly
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Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	The exterior of expenses on an income statement th	
Term General and administrative expenses (G	6&A)	Includes the costs of general managers, computer	
APICS CPIM Learning System	© 2024		
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,		
Term Generally accepted accounting princip (GAAP)	les		
APICS CPIM Learning System	© 2024		
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,		
Term Gross margin		The difference between total revenue and the cost of goods sold. Syn.: gross profit margin.	
APICS CPIM Learning System	© 2024		
Module 6 Section B: Inventory and Product Costs, and Metrics			
Term Income statement		0 1	
APICS CPIM Learning System	© 2024		

Module 6 Section B: Inventory and Product Costs, and Metrics	Costs that are not directly incurred by a particula or operation. [These include certain utility costs, as plant heating.] [It] is typically distributed to the	as plant neating.] [it] is typically distributed to the
Term Indirect costs		product through the overhead rates.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics		either a perpetual or a periodic system. A perpetual
Term Inventory accounting	 while a periodic inventory record is counted or measured at fixed time intervals (e.g., every tw or monthly). Both recording systems use the L 	while a periodic inventory record is counted or measured at fixed time intervals (e.g., every two weeks
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	A cost accounting system in which costs are assign
Term Job costing		actual or standard costs in the manufacturing of distinguishable units or lots of products. Syn.: job order costing.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	The objective is to achieve lower costs because of
Term Joint replenishment		economies. This term applies equally to joint ordering (family contracts) and to composite part (group

Module 6 Section B: Inventory and Product Costs, and Metrics Term Last in, first out (LIFO)	Value,	A method of inventory valuation for accounting purposes. The accounting assumption is that the most recently received (last in) is the first to be used or sold (first out) for costing purposes, but there is not necessarily any relationship with the actual physical movement of specific items. See: average cost system.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	An accounting/financial term (balance sheet classification of accounts) representing debts of obligations owed by a company to creditors. [Th may have a short-term time horizon, such as ac payable, or a longer-term obligation, such as m	classification of accounts) representing debts or obligations owed by a company to creditors. [These]
Term Liabilities		may have a short-term time horizon, such as accounts payable, or a longer-term obligation, such as mortgage payable or bonds payable. See: assets, balance sheet, debt, owner's equity.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	A branch of accounting that uses technique break-even analysis, cost-volume-profit and	A branch of accounting that uses techniques such as
Term Managerial accounting		break-even analysis, cost-volume-profit analysis, make- buy analysis, and others to provide information used in
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	In lean manufacturing, costs are reduced by reducing [this] within a system. There are seven [categories]: (1) overproduction—excess or too early; (2) waiting— queuing delays; (3) transportation—unneeded
Term Muda (waste)		movements; (4) processing—poor process design; (5) motion—activities that do not add value; (6) inventory
APICS CPIM Learning System	© 2024	

Module 6 Section B: Inventory and Product Costs, and Metrics	Value, A Japanese word meaning unevenness or variabil	
Term Mura		A Japanese word meaning unevenness or variability.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	
Term Muri	A Japanese word meaning strain or ov	A Japanese word meaning strain or overburden.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	An activity that does not add value to a product example, moving the product from one work ce another inside a facility. One aspect of continue	An activity that does not add value to a product; for
Term Non-value-added		another inside a facility. One aspect of continuous improvement is the elimination or reduction of [these]
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	
Term Nonconformity	Failure to fulfill a specified requirement. See defect, imperfection.	defect imperfection
APICS CPIM Learning System	© 2024	

Module 6 Section B: Inventory and Product Costs, and Metrics Term Operation costing		A method of costing used in batch manufacturing environments when the products produced have both common and distinguishing characteristics; for example, suits. The products are identified and costed by batches or by production runs, based on the variations.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	placed increases. Used in calculating order quantities.
Term Ordering cost		releasing, monitoring, and receiving orders; the physical handling of goods; inspections; and setup costs, as applicable. See: acquisition cost, inventory
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	cannot be directly related to the individual good	cannot be directly related to the individual goods or services produced. These costs, such as light, heat,
Term Overhead		supervision, and maintenance, are grouped in several pools (e.g., [department, factory, general]) and distributed to units of goods or services by some standard allocation method such as direct labor hours, direct labor dollars, or direct materials dollars. Syn.: burden. See: expense.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics		
Term Owner's equity		claim by the company's owners or shareholders, or both, to the company's assets less its liabilities. See:
APICS CPIM Learning System	© 2024	

Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	A cost accounting system in which the costs are collected by time period and averaged over all the u
Term Process costing		produced during the period. This system can be used with either actual or standard costs in the manufacture of a large number of identical units.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	Cost allocated by some method to the products being
Term Product cost		produced. Initially recorded in asset (inventory)
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	1) The difference between the sales and cost of goods sold for an organization, sometimes expressed as a
Term Profit margin	p d ti	 the product, sometimes expressed as a percentage of
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	A method often associated with the management of inventory risk. Manufacturers and retailers that
Term Risk pooling		 experience high variability in demand for their products can pool together common inventory components associated with a broad family of products to buffer the overall burden of having to deploy inventory for each discrete product.
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Module 6 Section B: Inventory and Product Costs, and Metrics		Shigeo Shingo, a pioneer in the Japanese just-in-time philosophy, identified seven barriers to improving manufacturing. They are the waste of overproduction,
Term Seven wastes		manufacturing. They are the waste of overproduction, waste of waiting, waste of transportation, waste of stocks, waste of motion, waste of making defects, and waste of the processing itself.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics		Continually balancing the number of workers in a work
Term Shojinka		center to meet demand with a minimum number of workers to improve flow. It requires a line design—for example, U-shaped—that supports varying the numb of workers.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	This method keeps track of the units of the beginning
Term Specific identification		 This method keeps track of the units of the beginnir inventory and the units purchased[]. This may be done through a coding method or serial number identification.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics		A cost accounting system that uses cost units
Term Standard cost accounting system		determined before production for estimating the cost of an order or product. For management control purposes, the standards are compared to actual costs, and variances are computed.
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Module 6 Section B: Inventory and Product Costs, and Metrics Term Standard costs	Value,	The target costs of an operation, process, or product including direct material, direct labor, and overhead charges.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	The costs associated with a stockout. Those costs may
Term Stockout costs	include lost sales, backorder costs, expediting	include lost sales, backorder costs, expediting, and additional manufacturing and purchasing costs.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	
Term Transfer pricing	The pricing of goods or services transferred segment of a business to another. See: inte transfer.	segment of a business to another. See: interplant
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	
Term Unit cost		production (e.g. one part one gallon one pound)
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Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	1) In accounting, the addition of direct labor, direct material, and allocated overhead assigned at an operation. It is the cost roll-up as a part goes through a manufacturing process to finished inventory. 2) In current manufacturing terms, the actual increase of utility from the viewpoint of the customer as a part is
Term Value added		transformed from raw material to finished inventory; the contribution made by an operation or a plant to the final usefulness and value of a product, as seen by the customer. The objective is to eliminate all non-value- added activities in producing and providing a good or service.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	<i>Value,</i> production costs are applied to the product; fixed fac overhead is not assigned to the product. Traditionall variable production costs are direct labor, direct mat	production costs are applied to the product; fixed factory overhead is not assigned to the product. Traditionally, variable production costs are direct labor, direct material, and variable overhead costs. [This] can be helpful for
Term Variable costing		internal management analysis but is not widely accepted for external financial reporting. For inventory order quantity purposes, however, the unit costs must include both the variable and allocated fixed costs to be compatible with the other terms in the order quantity formula. For make-or-buy decisions, [this] should be used rather than full absorption costing. Syn.: direct costing.
APICS CPIM Learning System	© 2024	
Module 6 Section B: Inventory and Product Costs, and Metrics	Value,	1) The difference between the expected (budgeted or
Term Variance APICS CPIM Learning System	© 2024	planned) value and the actual. 2) In statistics, a measurement of dispersion of data. See: estimate of error.
Module 6 Section B: Inventory and Product Costs, and Metrics		management, a term used to indicate the relative
Term Velocity		speed of all transactions, collectively, within a supply chain community. [The maximum of this] is most desirable because it indicates higher asset turnover for stockholders and faster order-to-delivery response for customers.
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Module 6 Section B: Inventory and Product Costs, Value, and Metrics Term Waste APICS CPIM Learning System © 2024	1) Any activity that does not add value to the good or service in the eyes of the consumer. 2) A by-product of a process or task with unique characteristics requiring special management control. [The] production [of this] can usually be planned and somewhat controlled. Scrap is typically not planned and may result from the same production run as [this term]. See: hazardous waste.
Module 6 Section C: Itemized Inventory Management	A term referring to the storage, transfer, and supply
Term Cold chain	chain of temperature-controlled products. Industries in the cold chain include food and agriculture, pharmaceuticals, and chemicals.
APICS CPIM Learning System © 2024	
Module 6 Section C: Itemized Inventory Management	A type of fixed order quantity model that determines the amount of an item to be purchased or manufactured at one time. The intent is to minimize the combined costs of acquiring and carrying
Term Economic order quantity (EOQ)	inventory. [To calculate this find the square root of ((2AS)/(iC)) where A = annual usage in units, S = ordering costs in dollars, i = annual inventory carrying cost rate as a decimal, and C = unit cost.] Syn.: economic lot size, minimum cost order quantity. See: total cost curve.
APICS CPIM Learning System © 2024	
Module 6 Section C: Itemized Inventory Management	A lot-sizing technique in MRP or inventory management that will always cause planned or actual
Term Fixed order quantity	orders to be generated for a predetermined fixed quantity, or multiples thereof, if net requirements for the period exceed [this].
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Module 6 Section C: Itemized Inventory Management Term Fixed reorder cycle inventory model	A form of independent demand management model in which an order is placed every n time units. The order quantity is variable and essentially replaces the items consumed during the current time period. If M is the maximum inventory desired at any time and x is the quantity on hand at the time the order is placed, then in the simplest model, the order quantity equals M minus x. The quantity M must be large enough to cover the maximum expected demand during the lead time plus a review interval. The order quantity model becomes more complicated whenever the replenishment lead time exceeds the review interval, because outstanding orders then have to be factored into the equation. Syn.: fixed-interval order system, fixed order quantity system, order level system, periodic review system, time-based order system. See: fixed reorder quantity inventory model, hybrid inventory system, independent demand item management models, optional replenishment
APICS CPIM Learning System © 2024	model.
Module 6 Section C: Itemized Inventory Management	Any material that a country's relevant government agency has classified as a risk to human, animal, or environmental health or to property—either on its own or due to interaction with other elements. A government's transportation authority may allow transportation only when proper permits and safety precautions are implemented. Similarly, a government
Term Hazardous materials APICS CPIM Learning System © 2024	may regulate or supervise hazardous material disposal. Categories include explosives, flammable or corrosive liquids or gasses, biohazards, and radioactive materials.
Module 6 Section C: Itemized Inventory Management	
Term Hazardous waste APICS CPIM Learning System © 2024	Waste, such as chemicals or nuclear material, that is hazardous to humans or animals and requires special handling.
Module 6 Section C: Itemized Inventory Management	Inventory models for the replenishment of inventory. Independent demand inventory ordering models
Term Inventory ordering system	include fixed reorder cycle, fixed reorder quantity, optional replenishment, and hybrid models, among others. Dependent demand inventory ordering models include material requirements planning, kanban, and drum-buffer-rope.
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Module 6 Section C: Itemized Inventory Management	A measure (usually expressed as a percentage) of satisfying demand through inventory or by the current production schedule in time to satisfy the customers' requested delivery dates and quantities. In a make-to-stock environment, [this] is sometimes calculated as the percentage of orders picked
Term Level of service	complete from stock upon receipt of the customer order, the percentage of line items picked complete, or the percentage of total dollar demand picked complete. In make-to-order and design-to-order environments, [it] is the percentage of times the customer-requested or acknowledged date was met by shipping complete product quantities. Syn.: measure of service, service level. See: cycle service level.
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Module 6 Section C: Itemized Inventory Management	The amount of a particular item that is ordered from
Term Lot size	the plant or a supplier or issued as a standard quantity to the production process. Syn.: order quantity.
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Module 6 Section C: Itemized Inventory Management	
Term Lot-for-lot (L4L)	A lot-sizing technique that generates planned orders in quantities equal to the net requirements in each period. See: discrete order quantity.
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Module 6 Section C: Itemized Inventory Management	
Term Maintenance, repair, and overhaul (MRO)	An item for reprocessing in the remanufacturing industry.
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Module 6 Section C: Itemized Inventory Management	The average time interval between failures for
Term Mean time between failures (MTBF)	repairable product for a defined unit of measure (e.g., operating hours, cycles, miles). See: reliability.
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Module 6 Section C: Itemized Inventory Management	Average time for failure of a nonrepairable product
Term Mean time for failures (MTFF)	(expected life) or average time to first failure of a repairable product. See: reliability.
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Module 6 Section C: Itemized Inventory Management	
Term Mean time to repair (MTTR)	The average time that it takes to repair a product.
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Module 6 Section C: Itemized Inventory Management	A type of order point replenishment system where the minimum (min) is the order point, and the maximum (max) is the "order up to" inventory level. The order
Term Min-max system	quantity is variable and is the result of the max minus available and on-order inventory. An order is recommended when the sum of the available and on- order inventory is at or below the min.
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Module 6 Section C: Itemized Inventory Management	A measure (percentage) of meeting the customer's originally negotiated delivery request date.
Term On-time schedule performance	Performance can be expressed as a percentage based on the number of orders, line items, or dollar value shipped on time.
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Module 6 Section C: Itemized Inventory Management	A set inventory level where, if the total stock on hand plus on order falls to or below that point, action is taken to replenish the stock. [It] is normally calculated as
Term Order point	forecasted usage during the replenishment lead time plus safety stock. Syn.: reorder point, statistical order point, trigger level. See: fixed reorder quantity inventory model.
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Module 6 Section C: Itemized Inventory Management	An inventory replenishment system based on the stock
Term Order point system	on hand plus on order. Syn.: statistical order point system. See: order point, reorder point, fixed reorder quantity inventory model, hybrid inventory system.
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Module 6 Section C: Itemized Inventory Management	A lot-sizing technique under which the lot size is equal to the net requirements for a given number of periods
Term Period order quantity	(e.g., weeks into the future). The number of periods to
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Module 6 Section C: Itemized Inventory Management	A method of aggregating requirements to place deliveries of varying quantities at evenly spaced time
Term Periodic replenishment	intervals rather than variably spaced deliveries of equal quantities.
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Module 6 Section C: Itemized Inventory Management	A computer record or manual document on which each
Term Perpetual inventory record	inventory transaction is posted so that a current record of the inventory is maintained.
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Module 6 Section C: Itemized Inventory Management	
Term Point of sale (POS)	The relief of inventory and computation of sales data at the time and place of sale, generally through the use of bar coding or magnetic media and equipment.
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Module 6 Section C: Itemized Inventory Management	1) In a fixed [type of this] system of inventory control, the fixed quantity that should be ordered each time the
Term Reorder quantity	available stock (on-hand plus on-order) falls to or below the reorder point. 2) In a variable [type of this] system, the amount ordered from time period to time period varies. Syn.: replenishment order quantity.
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Module 6 Section C: Itemized Inventory Management Term Replenishment lead time	The total period of time that elapses from the moment it is determined that a product should be reordered until the product is back on the shelf available for use. Syn.: reorder cycle.
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Module 6 Section C: Itemized Inventory Managemen	(MSDS). The document is prepared by the manufacturer and provides information regarding the
Term Safety data sheet (SDS) APICS CPIM Learning System © 2	safety and chemical properties to downstream users and (if necessary) the long-term storage, handling, and disposal of the product. Among other factors, the SDS describes: the hazardous components of a product; how to treat leaks, spills, and fires; and how to treat improper human contact with the product.
Module 6 Section C: Itemized Inventory Managemen	protect against fluctuations in lead time so that an
Term Safety lead time	order can be completed before its real need date. When used, the MRP system, in offsetting for lead time, will plan both order release and order completion for earlier dates than it would otherwise. Syn.: protection time, safety time.
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Module 6 Section C: Itemized Inventory Managemen	A quantity-versus-time graphic representation of the
Term Sawtooth diagram	order point/order quantity inventory system showing inventory being received and then used up and reordered.
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Module 6 Section C: Itemized Inventory Management Term Service-level agreement (SLA)	A document that represents the terms of performance for organic support.
APICS CPIM Learning System © 2024	
Module 6 Section C: Itemized Inventory Management	A measure of the effectiveness with which a company responds to actual demand or requirements. The stockout percentage can be a comparison of total
Term Stockout percentage	orders containing a stockout with total orders or of line items incurring stockouts with total line items ordered during a period. One formula is stockout percentage = (1 – customer service ratio) × 100 percent. Ant.: customer service ratio.
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Module 6 Section C: Itemized Inventory Management	A type of fixed-order system in which inventory is carried in two [containers]. A replenishment quantity is ordered when the first [container] (working) is empty. During the replenishment lead time, material is used from the second [container]. When the material is received, the second
Term Two-bin inventory system	[container] (which contains a quantity to cover demand during lead time plus some safety stock) is refilled and the excess is put into the working [container]. At this time, stock is drawn from the first [container] until it is again exhausted. Also used loosely to describe any fixed-order system even when physical [containers] do not exist. Syn.: bin reserve system. See: visual review system.
APICS CPIM Learning System © 2024	
Module 6 Section C: Itemized Inventory Management	A simple inventory control system where the inventory reordering is based on actually looking at the amount
Term Visual review system	of inventory on hand. Usually used for low-value items, such as nuts and bolts. See: two-bin inventory system.

Module 6 Section D: Inventory Control			
Term Advance ship notice (ASN)			An electronic data interchange (EDI) notification of shipment of product.
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Module 6 Section D: Inventory Control			A continuously growing list of records, called blocks, which are linked and secured using cryptography. Each block typically contains a cryptographic hash of
Term Blockchain			the previous block, a timestamp, and transaction data. The data in any given block cannot be altered retroactively without the alteration of all subsequent blocks, inherently making it resistant to modification.
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Module 6 Section D: Inventory Control			
Term Certificate of manufacture		n 🖥	A certificate that attests that the goods were manufactured in the exporter's country. It is provided and signed by the exporter's chamber of commerce.
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Module 6 Section D: Inventory Control			
Term Certificate of origin			A document attesting to a shipment's country of origin.
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Module 6 Section D: Inventory Control		A procedure for synchronizing cycle counting and
Term Cut-off control		transaction processing.
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Module 6 Section D: Inventory Control		An inventory accuracy audit technique where inventory is counted on a cyclic schedule rather than once a year. A cycle inventory count is usually taken on a regular, defined basis (often more frequently for high-value or fast-moving items and less frequently for low-value or
Term Cycle counting		slow-moving items). [the most effective of these] systems require the counting of a certain number of items every workday with each item counted at a prescribed frequency. The key purpose of [this] is to identify items in error, thus triggering research, identification, and elimination of the cause of the errors.
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Module 6 Section D: Inventory Control		
Term Electronic commerce (e-commerce	e)	The use of computer and telecommunication technologies to conduct business via electronic transfer of data and documents.
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Module 6 Section D: Inventory Control		
Term Free-on-board (FOB)		A shipping term which indicates at what point respective obligations, costs, and risk involved in the delivery of goods shift from the seller to the buyer.
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Module 6 Section D: Inventory Control		A series of pre-defined commercial terms published by
Term Incoterms		the International Chamber of Commerce relating to international commercial law. These terms do not cover property rights.
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Module 6 Section D: Inventory Control		When the on-hand quantity is within an allowed tolerance of the recorded balance. This important metric usually is measured as the percent of items with
Term Inventory accuracy		usually are 95 percent to 99 percent, depending on the value of the item. For logistical operations (location management) purposes, it is sometimes measured as the number of storage locations with errors divided by the total number of storage locations
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Module 6 Section D: Inventory Control		A change made to an inventory record to correct the
Term Inventory adjustment		balance in order to bring it in line with actual physical inventory balances. The adjustment either increases or decreases the item record on-hand balance.
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Module 6 Section D: Inventory Control		
Term Inventory shrinkage		process, or in transit. The loss may be caused by scrap, theft, deterioration, evaporation, and so forth. Sometimes referred to as shrinkage.
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Module 6 Section D: Inventory Control		A set of procedures (e.g., assigning unique batch
Term Lot control		integrity from raw materials from the supplier through
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Module 6 Section D: Inventory Control		
Term Lot traceability		purchased parts, manufacturing date, or shipped
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Module 6 Section D: Inventory Control		occasioned by new developments that place the older property at a competitive disadvantage. A factor in
Term Obsolescence		loss of usefulness or worth of a product or facility as a
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Module 6 Section D: Inventory Control		
Term Periodic inventory		A physical inventory taken at some recurring interval (e.g., monthly, quarterly, or annual physical inventory). See: physical inventory.
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Module 6 Section D: Inventory Control		1) The actual inventory itself. 2) The determination of	
Term Physical inventory		inventory quantity by actual count. [It] can be taken on a continuous, periodic, or annual basis. Syn.: annual inventory count, annual physical inventory. See: periodic inventory.	
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Module 6 Section D: Inventory Control		A step in the reverse logistics process where parts or	
Term Recalls		products are returned due to a product defect or potential hazard resulting from government regulations or liability concerns.	
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Module 6 Section D: Inventory Control		A measure of the conformity of recorded values in a	
Term Record accuracy	 bookkeeping system to the actual valu the on-hand balance of an item maintain 	bookkeeping system to the actual values; for example, the on-hand balance of an item maintained in a computer record relative to the actual on-hand balance of the items in the stockroom.	
APICS CPIM Learning System	© 2024		
Module 6 Section D: Inventory Control		An export/import document prepared by the shipper	
Term Shipper's export declaration (SED)	before a shipment can be exported and presented to a government authority of the country in which the shipper resides. Specifies details on the goods to be shipped, including their value, weight, and destination.	
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Module 6 Section D: Inventory Control		1) The attribute allowing the ongoing location of a shipment to be determined. 2) The registering and tracking of parts, processes, and materials used in production, by lot or serial number.
Term Traceability		
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