

<div>Module 3</div> <div>Section A: Aligning Sourcing to Demand</div> <div>Term</div> <div>Insourcing</div> <div>APICS CSCP Learning System© 2024</div>	<div>Using the firm’s internal resources to provide goods and services. See: make-or-buy decision.</div>
<div>Module 3</div> <div>Section A: Aligning Sourcing to Demand</div> <div>Term</div> <div>Landed cost</div> <div>APICS CSCP Learning System© 2024</div>	<div>This cost includes the product cost plus the costs of logistics, such as warehousing, transportation, and handling fees.</div>
<div>Module 3</div> <div>Section A: Aligning Sourcing to Demand</div> <div>Term</div> <div>Make-or-buy cost analysis</div> <div>APICS CSCP Learning System© 2024</div>	<div>A comparison of all the costs associated with making an item versus the cost of buying the item.</div>
<div>Module 3</div> <div>Section A: Aligning Sourcing to Demand</div> <div>Term</div> <div>Make-or-buy decision</div> <div>APICS CSCP Learning System© 2024</div>	<div>The act of deciding whether to produce an item internally or buy it from an outside supplier. Factors to consider in the decision include costs, capacity availability, proprietary and/or specialized knowledge, quality considerations, skill requirements, volume, and timing.</div>

Module 3

Section A: Aligning Sourcing to Demand

Term Offshore

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Outsourcing a business function to another company in a different country than the original company's country.

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Section A: Aligning Sourcing to Demand

Term Outsourcing

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The process of having suppliers provide goods and services that were previously provided internally. [This] involves substitution—the replacement of internal capacity and production by that of the supplier. See: subcontracting.

Module 3

Section A: Aligning Sourcing to Demand

Term Subcontracting

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Sending production work outside to another manufacturer. See: outsourcing.

Module 3

Section A: Aligning Sourcing to Demand

Term Total cost of ownership (TCO)

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The sum of all the costs associated with every activity of the supply stream.

Module 3

Section B: Category Strategy for Sourcing

Term
Strategic alliance

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A relationship formed by two or more organizations that share information (proprietary), participate in joint investments, and develop linked and common processes to increase the performance of both companies. Many organizations form [these] to increase the performance of their common supply chain.

Module 3

Section B: Category Strategy for Sourcing

Term
Supplier partnership

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The establishment of a working relationship with a supplier organization whereby two organizations act as one. Syn.: collaborative supply relationship.

Module 3

Section C: Product Design Influence

Term
Design

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The conversion of a need or innovation into a product, process, or service that meets both enterprise and customer expectations. The design process consists of translating a set of functional requirements into an operational product, process, or service.

Module 3

Section C: Product Design Influence

Term
Design for X (DFX)

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Also referred to as design for excellence. A design process that ensures the outcome is manufacturable, maintainable, cost-effective, and of high quality.

Module 3
Section C: Product Design Influence

Term
Design for manufacturability

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Simplification of parts, products, and processes to improve quality and reduce manufacturing costs.

Module 3
Section C: Product Design Influence

Term
Design for manufacture and assembly (DFMA)

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A product development approach that involves the manufacturing function in the initial stages of product design to ensure ease of manufacturing and assembly. See: early manufacturing involvement.

Module 3
Section C: Product Design Influence

Term
Design for quality

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A product design approach that uses quality measures to capture the extent to which the design meets the needs of the target market (customer attributes), as well as its actual performance, aesthetics, and cost. See: total quality engineering.

Module 3
Section C: Product Design Influence

Term
Design for remanufacture

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Products developed in a manner that allows components to be used in other products. This process is associated with green manufacturing.

Module 3
Section C: Product Design Influence

Term
Design for service

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Simplification of parts and processes to improve the after-sale service of a product. Syn.: design for maintainability.

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Section C: Product Design Influence

Term
Design for six sigma

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An approach to designing products and processes that attempts to ensure the firm can provide products or services that meet six sigma quality levels. These quality levels correspond to approximately 3.4 defects per million opportunities.

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Section C: Product Design Influence

Term
Design for the environment (DFE)

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Considering health, safety, and environmental aspects of a product during the design and development phase of product development.

Module 3
Section C: Product Design Influence

Term
Design for the supply chain

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Enhancement of a firm's product design in consideration of the issues that will arise in the supply chain, from raw materials to the final stage of the product's life cycle.

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Section C: Product Design Influence

Term Glocalization

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A combination of “globalization” and “localization.” In a supply chain context, [this] is a form of postponement where a product or service is developed for distribution globally but is modified to meet the needs of a local market. The modifications are made to conform with local laws, customs, cultures, and preferences.

Module 3

Section C: Product Design Influence

Term Mass customization

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The use of mass production techniques to create large volume of products in a wide variety keeping production costs low while enabling customized output primarily utilizing postponement or delayed differentiation.

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Section C: Product Design Influence

Term Modular design strategy

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The strategy of planning and designing products so that components or subassemblies can be used in current and future products or assembled to produce multiple configurations of a product. [...].

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Section C: Product Design Influence

Term Modularization

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In product development, the use of standardized parts for flexibility and variety. Permits product development cost reductions by using the same item(s) to build a variety of finished goods. This is the first step in developing a planning bill of material process.

<p>Module 3</p> <p><i>Section C: Product Design Influence</i></p>	
<p>Term</p> <p>Multicountry strategy</p>	<p>A strategy in which each country market is self-contained. Customers have unique product expectations that are addressed by local production capabilities.</p>
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<p>Module 3</p> <p><i>Section C: Product Design Influence</i></p>	
<p>Term</p> <p>Postponement</p>	<p>A product design or supply chain strategy that deliberately delays final differentiation of a product (assembly, production, packaging, tagging, etc.) until the latest possible time in the process. This shifts product differentiation closer to the consumer to reduce the anticipatory risk of producing the wrong product. The practice eliminates excess finished goods in the supply chain. This strategy is sometimes referred to as delayed differentiation.</p>
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<p>Module 3</p> <p><i>Section C: Product Design Influence</i></p>	
<p>Term</p> <p>Product differentiation</p>	<p>A strategy of making a product distinct from the competition on a nonprice basis such as availability, durability, quality, or reliability.</p>
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<p>Module 3</p> <p><i>Section C: Product Design Influence</i></p>	
<p>Term</p> <p>Quality</p>	<p>Conformance to requirements or fitness for use.</p>
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Module 3

Section C: Product Design Influence

Term

Quality function deployment (QFD)

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A methodology designed to ensure that all the major requirements of the customer are identified and subsequently met or exceeded through the resulting product design process and the design and operation of the supporting production management system.

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Section C: Product Design Influence

Term

Simplification

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Improving quality and cutting costs by removing complexity from a product or service.

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Section C: Product Design Influence

Term

Standardization

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1) The process of designing and altering products, parts, processes, and procedures to establish and use standard specifications for them and their components. 2) Reduction of the total numbers of parts and materials used and products, models, or grades produced. 3) The function of bringing a raw ingredient into standard (acceptable) range per the specification before introduction to the main process.

Module 3

Section C: Product Design Influence

Term

Standardized product

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A product that can be made in large quantities, or continuously, because it has very few product designs.

Module 3
Section C: Product Design Influence

Term
Universality

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The strategy of designing a product initially intended for one market in such a way that it can also be sold in other markets. A form of standardization.

Module 3
Section D: Supplier Selection, Contracting, and Use

Term
Annualized contract

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A negotiated agreement with a supplier for one year that sets pricing, helps ensure a continuous supply of material, and provides the supplier with estimated future requirements.

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Section D: Supplier Selection, Contracting, and Use

Term
Bilateral contract

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An agreement wherein each party makes a promise to the other party.

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Section D: Supplier Selection, Contracting, and Use

Term
Blanket purchase order

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A long-term commitment to a supplier for material against which short-term releases will be generated to satisfy requirements. Often [these] cover only one item with predetermined delivery dates. Syn.: blanket order, standing order.

Module 3*Section D: Supplier Selection, Contracting, and Use***Term**

Consortia trade exchanges (CTX)

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An online marketplace, usually owned by a third party, that allows members to trade with each other. Such sites lower members' search costs and enable lower prices for the buyer.

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Contract

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An agreement between two or more competent persons or companies to perform or not to perform specific acts or services or to deliver merchandise. A contract may be oral or written. A purchase order, when accepted by a supplier, becomes a contract. Acceptance may be in writing or by performance, unless the purchase order requires acceptance in writing.

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Contracts for the international sale of goods (CISG)

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Govern the sale of goods in the international environment. They enable exporters to avoid choice-of-law issues.

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Cost-based contract

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A type of purchasing contract where the price of goods or services is tied to the cost of key inputs or other economic factors such as interest rates.

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Cost-plus contract

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A pricing method where the buyer agrees to pay the seller all the acceptable costs of the product or service up to a maximum cost plus a fixed fee. Syn.: cost-type contract.

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Cost-plus-fixed-fee contract

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A contract in which the seller is paid for costs specified as allowable in the contract plus a stipulated fixed fee.

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Cost-plus-incentive-fee contract

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A contract in which the seller is paid for costs specified as allowable in the contract plus a profit, provided certain provisions are met.

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Expedite

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To rush or chase production or purchase orders that are needed in less than the normal lead time; to take extraordinary action because of an increase in relative priority. Syn.: stockchase.

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Firm fixed-price contract

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A contract in which the seller is paid a set price without regard to costs. Syn.: fixed-price contract.

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Fixed-price incentive fee contract

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A contract in which the seller is paid a set price and can earn an additional profit if certain stipulations are met.

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Horizontal marketplace

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An online marketplace used by buyers and sellers from multiple industries. This marketplace lowers prices by lowering transaction costs.

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Incentive arrangements

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Incentive contract that allows for the sharing of the cost responsibility between the buyer and seller. Incentives are incorporated into the contract to motivate the supplier to improve its performance in areas such as quality, on-time delivery, and customer satisfaction. There are three elements of an incentive agreement: target cost, target profit, and the sharing agreement.

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Incentive contract

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A contract where the buyer and seller agree to a target cost and maximum price. Cost savings below the target are shared between buyer and seller. If actual cost exceeds the target cost, the cost overrun is shared between buyer and seller up to the maximum price.

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Negotiation

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The process by which a buyer and a supplier agree upon the conditions surrounding the purchase of an item or a service.

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Operating exposure

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The risk introduced by flexible exchange rates when operating in the global environment, including their effect on production, storage, and buying and selling prices.

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Payment terms

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Conditions surrounding payment for a sale, providing a time frame in which a customer can pay without late penalties or additional fees. See: terms and conditions.

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Section D: Supplier Selection, Contracting, and Use

Term Portal

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A multiservice website that provides access to data that may be secured by each user's role. Users can aggregate data and perform basic analysis. Ownership [of this] can be independent, private, or consortium-based. Business [types of this] are often connected with a customer relationship management or supplier relationship management system. [This] can include structured data such as ERP information, pictures, and documents. Unlike exchanges or marketplaces, [it] generally can display and aggregate data without integration between application software.

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Section D: Supplier Selection, Contracting, and Use

Term Private trading exchange (PTX)

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A trade exchange hosted by a single company to facilitate collaborative e-commerce with its trading partners. As opposed to public e-marketplaces, a private exchange provides the host company with control over many factors, including who may participate (and in what manner), how participants may be connected, and what contents should be presented (and to whom). The ultimate goal might be to improve supply chain efficiencies and responsiveness through improved process visibility and collaboration, advanced integration platforms, and customization capabilities.

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Section D: Supplier Selection, Contracting, and Use

Term Purchase order

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The purchaser's authorization used to formalize a purchase transaction with a supplier. [When given to a supplier, this] should contain statements of the name, part number, quantity, description, and price of the goods or services ordered; agreed-to terms as to payment, discounts, date of performance, and transportation; and all other agreements pertinent to the purchase and its execution by the supplier.

Module 3

Section D: Supplier Selection, Contracting, and Use

Term Reverse auction

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An internet auction in which suppliers attempt to underbid their competitors. Company identities are known only by the buyer.

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Section D: Supplier Selection, Contracting, and Use

Term

Service-level agreement (SLA)

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A document that represents the terms of performance for organic support.

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Section D: Supplier Selection, Contracting, and Use

Term

Terms and conditions

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All the provisions and agreements of a contract.

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Section D: Supplier Selection, Contracting, and Use

Term

Trading partner agreement

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A contract between trading partners that describes all facets of their business together. A legal and binding agreement suitable for legal purposes as well as standard working agreements.

Module 3

Section D: Supplier Selection, Contracting, and Use

Term

Vertical marketplace

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An online marketplace connecting buyers and sellers within the same industry. It enables lower prices by lowering transaction costs.

Module 3

Section D: Supplier Selection, Contracting, and Use

Term

Virtual trading exchange

An online trading exchange that enables both information integration and collaboration between multiple trading partners.