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 5<br>Section B: Scheduling and PAC Methods                       | A method of inventory bookkeeping where the book<br>(computer) inventory of components is automatically<br>reduced by the computer after completion of activity on<br>the component's upper-level parent item based on<br>what should have been used as specified on the bill of                 |
|---|--|
| <b>Term</b><br>Backflush<br>APICS CPIM Learning System © 2025           | material and allocation records. This approach has the<br>disadvantage of a built-in differential between the book<br>record and what is physically in stock. Syn.: explode-<br>to-deduct, post-deduct inventory transaction<br>processing. See: pre-deduct inventory transaction<br>processing. |
|   |  |
| Module 5<br>Section B: Scheduling and PAC Methods                       | In repetitive just-in-time production, matching actual   |
| <b>Term</b><br>Balancing operations                                     | output cycle times of all operations to the demand or<br>use for parts as required by final assembly and,<br>eventually, as required by the market.  |
| APICS CPIM Learning System © 2025                                       |  |
| Module 5<br>Section B: Scheduling and PAC Methods<br>Term<br>Bottleneck | A facility, function, department, or resource whose<br>capacity is less than the demand placed upon it. For<br>example, [this type of] machine or work center exists<br>where jobs are processed at a slower rate than they<br>are demanded. Syn.: bottleneck operation.                         |
|   |  |
| Module 5<br>Section B: Scheduling and PAC Methods                       |  |
| <b>Term</b><br>Buffer   | In theory of constraints, time or material that supports throughput and/or due date performance.   |
| APICS CPIM Learning System © 2025                                       |  |

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| Module 5<br>Section B: Scheduling and PAC Methods<br>Term<br>Buffer management | In the theory of constraints, a process in which all<br>expediting in a shop is driven by what is scheduled to<br>be in the buffers (constraint, shipping, and assembly<br>buffers). By expediting this material into the buffers,<br>the system helps avoid idleness at the constraint and<br>missed customer due dates. In addition, the reasons<br>items are missing from the buffer are identified, and<br>the frequency of occurrence is used to prioritize<br>improvement activities. |
|--|---|
| Module 5<br>Section B: Scheduling and PAC Methods                              | A material of value produced as a residual of or<br>incidental to the production process. The ratio of [this]   |
| <b>Term</b><br>By-product  | to primary product is usually predictable. [These] may<br>be recycled, sold as-is, or used for other purposes.<br>See: co-product.  |
| APICS CPIM Learning System © 2025  |   |
| Module 5<br>Section B: Scheduling and PAC Methods                              | A resource that is not a constraint but will become a   |
| <b>Term</b><br>Capacity-constrained resource (CCR)                             | constraint unless scheduled carefully. Any resource<br>that, if its capacity is not carefully managed, is likely to<br>compromise the throughput of the organization.   |
| APICS CPIM Learning System © 2025  |   |
| Module 5<br>Section B: Scheduling and PAC Methods                              | A product that is usually manufactured together or  |
| <b>Term</b><br>Co-product  | sequentially because of product or process similarities.<br>See: by-product.  |
| APICS CPIM Learning System © 2025  |   |

| Module 5<br>Section B: Scheduling and PAC Methods           | Any element or factor that prevents a system from  |
|---|--|
| <b>Term</b><br>Constraint                                   | achieving a higher level of performance with respect to its goal.  |
| APICS CPIM Learning System © 2025                           |  |
| Module 5<br>Section B: Scheduling and PAC Methods           | The practice of managing recourses and argonizations   |
| <b>Term</b><br>Constraints management                       | The practice of managing resources and organizations<br>in accordance with the theory of constraints (TOC)<br>principles. See: theory of constraints.  |
| APICS CPIM Learning System © 2025                           |  |
| Module 5<br>Section B: Scheduling and PAC Methods           | In the theory of constraints, strategic locations in the logical product structure for a product or family that simplify the planning, scheduling, and control functions. [These] include gating operations,   |
| Term<br>Control points<br>APICS CPIM Learning System © 2025 | convergent points, divergent points, constraints, and<br>shipping points. Detailed scheduling instructions are<br>planned, implemented, and monitored at these<br>locations. Other work centers are instructed to "work if<br>they have work; otherwise, be prepared for work." In<br>this manner, materials flow rapidly through the facility<br>without detailed work center scheduling and control. |
|   | ] •  |
| Module 5<br>Section B: Scheduling and PAC Methods           |  |
| <b>Term</b><br>Corrective action                            | The implementation of solutions resulting in the reduction or elimination of an identified problem.  |
| APICS CPIM Learning System © 2025                           |  |

| Module 5         Section B: Scheduling and PAC Methods         Term         Count point         APICS CPIM Learning System |          | A point in a flow of material or sequence of operations<br>at which parts, subassemblies, or assemblies are<br>counted as being complete. [These] may be<br>designated at the ends of lines or upon removal from a<br>work center, but most often they are designated as the<br>points at which material transfers from one department<br>to another. Syn.: pay point. |
|--|----------|--|
| Module 5<br>Section B: Scheduling and PAC Methods  |          | 1) In industrial engineering, the time between the completion of two discrete units of production. For example, [if] motors [are] assembled at a rate of 120   |
| <b>Term</b><br>Cycle time  |          | per hour, [this] is 30 seconds. 2) In materials<br>management, the length of time from when material<br>enters a production facility until it exits. Syn.:<br>throughput time.   |
| APICS CPIM Learning System © 2025  |          |  |
| Module 5<br>Section B: Scheduling and PAC Methods  |          |  |
| <b>Term</b><br>Delivery schedule<br>APICS CPIM Learning System © 2025  |          | The required or agreed time or rate of delivery of goods<br>or services purchased for a future period.   |
|  | _] ■<br> |  |
| Module 5<br>Section B: Scheduling and PAC Methods  |          | An operation in a production process in which a single   |
| <b>Term</b><br>Divergent point   |          | material/component enters and, after processing, can<br>then be routed to a number of different downstream<br>operations.  |
| APICS CPIM Learning System © 2025  |          |  |

| Module 5<br>Section B: Scheduling and PAC Methods | In the theory of constraints, the constraint is viewed as a drum, and nonconstraints are like soldiers in an army                                |
|---|--|
| <b>Term</b><br>Drum                               | who march in unison to the drumbeat; the resources in<br>a plant should perform in unison with the drumbeat set<br>by the constraint.            |
| APICS CPIM Learning System © 2025                 |  |
| Module 5<br>Section B: Scheduling and PAC Methods | The detailed production schedule for a resource that   |
| <b>Term</b><br>Drum schedule                      | sets the pace for the entire system. [It] must reconcile<br>the customer requirements with the system's<br>constraint(s).                        |
| APICS CPIM Learning System © 2025                 |  |
| Module 5<br>Section B: Scheduling and PAC Methods |  |
| <b>Term</b><br>Drum-buffer-rope (DBR)             | The theory of constraints method for scheduling and<br>managing operations that have an internal constraint<br>or capacity-constrained resource. |
| APICS CPIM Learning System © 2025                 |  |
| Module 5<br>Section B: Scheduling and PAC Methods | A statement reflecting the standard hours assigned for   |
| <b>Term</b><br>Earned hours                       | A statement reflecting the standard hours assigned f<br>actual production reported during the period. Syn.:<br>earned volume.                    |
| APICS CPIM Learning System © 2025                 |  |

| Module 5<br>Section B: Scheduling and PAC Methods<br>Term<br>Excess capacity<br>APICS CPIM Learning System | Capacity that is the creation of t | not used to either produce or protect<br>hroughput.                                    |
|--|------------------------------------|--|
| Module 5<br>Section B: Scheduling and PAC Methods  |                                    | mation back into the control system so   |
| <b>Term</b><br>Feedback<br>APICS CPIM Learning System © 2025   |                                    | ormance can be compared with   |
|  |                                    |  |
| Module 5<br>Section B: Scheduling and PAC Methods  |                                    |  |
| <b>Term</b><br>Feeder workstations   | An area of man<br>subsequent wo    | ufacture whose products feed a<br>rk area.   |
| APICS CPIM Learning System © 2025  |                                    |  |
| Module 5<br>Section B: Scheduling and PAC Methods  |                                    |  |
| <b>Term</b><br>Flexible workforce  |                                    | ose members are cross-trained and<br>es permit assignment of individual<br>rent tasks. |
| APICS CPIM Learning System © 2025  |                                    |  |

| Module 5<br>Section B: Scheduling and PAC Methods             | Stocks of inexpensive production parts held in the  |
|---|---|
| <b>Term</b><br>Floor stocks                                   | factory, from which production workers can draw<br>without requisitions. Syn.: bench stocks, expensed<br>stocks.  |
| APICS CPIM Learning System © 2025                             |   |
| Module 5<br>Section B: Scheduling and PAC Methods             | A specific production control system that is based  |
| <b>Term</b><br>Flow control                                   | primarily on setting production rates and feeding work<br>into production to meet these planned rates, then<br>monitoring and controlling production. See: shop floor<br>control.   |
| APICS CPIM Learning System © 2025                             |   |
| Module 5<br>Section B: Scheduling and PAC Methods             | A form of manufacturing organization in which machines and<br>operators handle a standard, usually uninterrupted, material<br>flow. The operators generally perform the same operations for<br>each production run. [This] is often referred to as a mass<br>production shop or is said to have a continuous manufacturing  |
| <b>Term</b><br>Flow shop<br>APICS CPIM Learning System © 2025 | <ul> <li>Iayout. The plant layout (arrangement of machines, benches, assembly lines, etc.) is designed to facilitate a product "flow." Some process industries (chemicals, oil, paint, etc.) are extreme examples of [this]. Each product, though variable in material specifications, uses the same flow pattern through the shop. Production is set at a given rate, and the products are generally manufactured in bulk. Syn.: flow line, flow manufacturing, flow plant.</li> </ul> |
|   | ] • [   |
| Module 5<br>Section B: Scheduling and PAC Methods             | A procedure for building process train schedules that   |
| <b>Term</b><br>Forward flow scheduling                        | starts with the first stage and proceeds sequentially<br>through the process structure until the last stage is<br>scheduled.  |
| APICS CPIM Learning System © 2025                             |   |

| Module 5<br>Section B: Scheduling and PAC Methods | In just-in-time philosophy, an approach to level   |
|---|--|
| <b>Term</b><br>Heijunka                           | production throughout the supply chain to match the<br>planned rate of end product sales.  |
| APICS CPIM Learning System © 2025                 |  |
| Module 5<br>Section B: Scheduling and PAC Methods | A defined location next to the place of use on a   |
| <b>Term</b><br>Inbound stockpoint                 | production floor. Materials are brought to [it] as needed<br>and taken from it for immediate use. [These] are used<br>with a pull system of material control.  |
| APICS CPIM Learning System © 2025                 |  |
| Module 5<br>Section B: Scheduling and PAC Methods | A technique for capacity control where planned and<br>actual inputs and planned and actual outputs of a work<br>center are monitored. Planned inputs and outputs for<br>each work center are developed by capacity   |
| <b>Term</b><br>Input/output control (I/O control) | requirements planning and approved by manufacturing<br>management. Actual input is compared to planned<br>input to identify when work center output might vary<br>from the plan because work is not available at the work<br>center. Actual output is also compared to planned<br>output to identify problems within the work center.<br>Syn.: input/output analysis. See: capacity control. |
| APICS CPIM Learning System © 2025                 |  |
| Module 5<br>Section B: Scheduling and PAC Methods |  |
| <b>Term</b><br>Intermittent production            | A form of manufacturing in which the jobs pass<br>through the functional departments in lots, and each<br>lot may have a different routing. See: job shop.   |
| APICS CPIM Learning System © 2025                 |  |

| Module 5<br>Section B: Scheduling and PAC Methods<br>Term<br>Kanban  | A method of just-in-time production that uses standard<br>containers or lot sizes with a single card attached to<br>each. It is a pull system in which work centers signal<br>with a card that they wish to withdraw parts from feeding<br>operations or suppliers. [This] Japanese word, loosely<br>translated, means card, billboard, or sign, but other<br>signaling devices such as colored golf balls have also<br>been used. The term is often used synonymously for the<br>specific scheduling system developed and used by the<br>Toyota Corporation in Japan. See: move card,<br>production card, synchronized production. |
|--|---|
| Module 5<br>Section B: Scheduling and PAC Methods                    | The average of worker efficiency for all direct workers in  |
| <b>Term</b><br>Labor efficiency<br>APICS CPIM Learning System © 2025 | a department or facility. Syn.: worker efficiency.  |
|  |   |
| Module 5<br>Section B: Scheduling and PAC Methods                    | A philosophy of production that emphasizes the<br>minimization of the amount of all the resources (including<br>time) used in the various activities of the enterprise. It<br>involves identifying and eliminating non-value-adding<br>activities in design, production, supply chain management,   |
| <b>Term</b><br>Lean production<br>APICS CPIM Learning System © 2025  | and dealing with customers. [It also employs] teams of<br>multiskilled workers at all levels of the organization and use<br>highly flexible, increasingly automated machines to produce<br>volumes of products in potentially enormous variety. [It]<br>contains a set of principles and practices to reduce cost<br>through the relentless removal of waste and through the<br>simplification of all manufacturing and support processes.<br>Syn.: lean, lean manufacturing.   |
|  |   |
| Module 5<br>Section B: Scheduling and PAC Methods                    | 1) The balancing of the assignment of the tasks to<br>workstations in a manner that minimizes the number of<br>workstations and minimizes the total amount of idle<br>time at all stations for a given output level. In balancing<br>these tasks, the specified time requirement per unit of  |
| <b>Term</b><br>Line balancing  | these tasks, the specified time requirement per unit of<br>product for each task and its sequential relationship<br>with the other tasks must be considered. See: uniform<br>plant loading. 2) A technique for determining the<br>product mix that can be run down an assembly line to<br>provide a fairly consistent flow of work through that<br>assembly line at the planned line rate.  |
| APICS CPIM Learning System © 2025                                    |   |

| Module 5<br>Section B: Scheduling and PAC Methods<br>Term<br>Lot sizing | The process of, or techniques used in, determining lot size. See: order policy.   |
|---|---|
| APICS CPIM Learning System © 2025                                       | 5   |
| Module 5<br>Section B: Scheduling and PAC Methods                       | In statistical process control, charting the line that  |
| <b>Term</b><br>Lower specification limit (LSL)                          | defines the minimum acceptable level of random<br>output. See: tolerance limits.  |
| APICS CPIM Learning System © 2025                                       | 5   |
| Module 5<br>Section B: Scheduling and PAC Methods                       |   |
| <b>Term</b><br>Machine-limited capacity                                 | A production environment where a specific machine<br>limits throughput of the process. See: constraint,<br>throughput.          |
| APICS CPIM Learning System © 2025                                       | 5   |
| Module 5<br>Section B: Scheduling and PAC Methods                       | The difference between the planned or standard  |
| <b>Term</b><br>Material usage variance                                  | requirements for materials to produce a given item and<br>the actual quantity used for a particular instance of<br>manufacture. |
| APICS CPIM Learning System © 2025                                       | 5   |

| Module 5         Section B: Scheduling and PAC Methods         Term         Material-dominated scheduling (MDS)         APICS CPIM Learning System         © 2025 | A technique that schedules materials before<br>processors (equipment or capacity). This technique<br>facilitates the efficient use of materials. [It] can be used<br>to schedule each stage in a process flow scheduling<br>system. MRP systems use material-dominated<br>scheduling logic. See: processor-dominated<br>scheduling. |
|---|---|
| Module 5<br>Section B: Scheduling and PAC Methods   | A procedure used in some process industries for<br>building process train schedules that start at an initial  |
| <b>Term</b><br>Mixed-flow scheduling<br>APICS CPIM Learning System © 2025   | stage and work toward the terminal process stages.<br>This procedure is effective for scheduling where several<br>bottleneck stages may exist. Detailed scheduling is<br>done at each bottleneck stage.   |
|   |   |
| Module 5<br>Section B: Scheduling and PAC Methods   | Making several different parts or products in varying lot<br>sizes so that a factory produces close to the same mix<br>of products that will be sold that day. The mixed-model<br>schedule governs the making and the delivery of   |
| Term         Mixed-model production         APICS CPIM Learning System       © 2025   | component parts, including those provided by outside<br>suppliers. The goal is to build every model every day,<br>according to daily demand.  |
|   |   |
| Module 5<br>Section B: Scheduling and PAC Methods   | The process of developing one or more schedules to  |
| <b>Term</b><br>Mixed-model scheduling   | enable mixed-model production. The goal is to achieve<br>a day's production each day. See: mixed-model<br>production.   |
| APICS CPIM Learning System © 2025   |   |

| Module 5<br>Section B: Scheduling and PAC Methods | In a just-in-time context, a card or other signal<br>indicating that a specific number of units of a particular<br>item are to be taken from a source (usually an<br>outbound stockpoint) and taken to a point of use<br>(usually an inbound stockpoint). It authorizes the |
|---|---|
| <b>Term</b><br>Move card                          | movement of one part number between a single pair of<br>work centers. The card circulates between the<br>outbound stockpoint of the supplying work center and<br>the inbound stockpoint of the using work center. Syn.:<br>move signal, conveyance card. See: kanban.       |
| APICS CPIM Learning System © 2025                 |   |
| Module 5<br>Section B: Scheduling and PAC Methods | Within the repair/remanufacturing environment, the occurrence factor is associated with how often a repair is required to bring the average part to a serviceable   |
| <b>Term</b><br>Occurrence factor                  | condition (some repair operations do not occur 100<br>percent of the time). The factor is expressed at the<br>operation level in the routing. See: repair factor,<br>replacement factor.  |
| APICS CPIM Learning System © 2025                 |   |
| Module 5<br>Section B: Scheduling and PAC Methods | A kanban system where only a move card is employed.<br>Typically, the work centers are adjacent; therefore, no<br>production card is required. In many cases, squares<br>located between work centers are used as the kanban  |
| <b>Term</b><br>One-card kanban system             | system. An empty square signals the supplying work<br>center to produce a standard container of the item.<br>Syn.: single-card kanban system. See: two-card<br>kanban system.   |
| APICS CPIM Learning System © 2025                 |   |
| Module 5<br>Section B: Scheduling and PAC Methods | A concept in which items are processed directly from  |
| <b>Term</b><br>One-piece flow                     | one step to the next, one unit at a time. This helps to<br>shorten lead times and lines of communication, thus<br>more quickly identifying problems.  |
| APICS CPIM Learning System © 2025                 |   |

| Module 5         Section B: Scheduling and PAC Methods         The ratio of usable output from a process, stage, or operation to the input quantity, u expressed as a percentage.         Term         Operation/process yield         APICS CPIM Learning System |         |
|---|---------|
| Module 5         Section B: Scheduling and PAC Methods         The activity of releasing materials to a prod  | duction |
| Term       Process to support a manufacturing order.         Order release       Planned order release.   |         |
|   |         |
| Module 5<br>Section B: Scheduling and PAC Methods   |         |
| Term<br>Outbound stockpoint   |         |
| APICS CPIM Learning System  |         |
| Module 5         Section B: Scheduling and PAC Methods  | k       |
| Term         Overload   |         |
| APICS CPIM Learning System © 2025   |         |

| Module 5<br>Section B: Scheduling and PAC Methods                         | In lean, the resource that is scheduled based on the customer demand rate for that specific value stream; this resource performs an operation or process that   |  |
|---|---|--|
| <b>Term</b><br>Pacemaker  | governs the flow of materials along the value stream.<br>Its purpose is to maintain a smooth flow through the<br>manufacturing plant. A larger buffer is provided for [this<br>than for] other resources so that it can maintain<br>continuous operation. See: constraint.  |  |
| APICS CPIM Learning System © 2025   |   |  |
| Module 5<br>Section B: Scheduling and PAC Methods                         | A variant of scheduling that considers slack time to<br>increase or decrease the calculated lead time of an<br>order. Interoperation and administrative lead time   |  |
| <b>Term</b><br>Probable scheduling  | components are expanded or compressed by a<br>uniform "stretching factor" until no difference exists<br>between the schedule of operations obtained by<br>forward and backward scheduling. See: lead time<br>scheduling.  |  |
| APICS CPIM Learning System © 2025   |   |  |
| Module 5<br>Section B: Scheduling and PAC Methods                         | Production that adds value by mixing, separating,   |  |
| <b>Term</b><br>Process manufacturing<br>APICS CPIM Learning System © 2025 | forming, and/or performing chemical reactions. It may<br>be done in either batch or continuous mode. See:<br>project manufacturing.   |  |
|   |   |  |
| Module 5<br>Section B: Scheduling and PAC Methods                         | A representation of the flow of materials through a<br>process industry manufacturing system that shows<br>equipment and inventories. Equipment that perform<br>basic manufacturing step, such as mixing or<br>packaging, is called a process unit. Process units a<br>combined into stages, and stages are combined [to<br>form these]. Inventories decouple the scheduling of<br>sequential stages within [this]. |  |
| <b>Term</b><br>Process train  |   |  |
| APICS CPIM Learning System © 2025   |   |  |

| Module 5<br>Section B: Scheduling and PAC Methods      | A technique that schedules equipment (processor)<br>before materials. Facilitates scheduling equipment in  |  |
|--|--|--|
| <b>Term</b><br>Processor-dominated scheduling          | economic run lengths and the use of low-cost<br>production sequences. A scheduling method used in<br>some process industries. See: material-dominated<br>scheduling.   |  |
| APICS CPIM Learning System © 2025                      |  |  |
| Module 5<br>Section B: Scheduling and PAC Methods      | In a just-in-time context, a card or other signal for  |  |
| <b>Term</b><br>Production card                         | indicating that items should be made for use or that<br>some items removed from pipeline stock should be<br>replaced. See: kanban.   |  |
| APICS CPIM Learning System © 2025                      |  |  |
| Module 5<br>Section B: Scheduling and PAC Methods      |  |  |
| <b>Term</b><br>Production leveling                     | A production planning method that maintains a stable<br>production rate while varying inventory levels to meet<br>demand.  |  |
| APICS CPIM Learning System © 2025                      |  |  |
| Module 5<br>Section B: Scheduling and PAC Methods      | A vehicle to provide feedback to the production<br>schedule and allow for corrective action and<br>maintenance of valid on-hand and on-order balances.   |  |
| <b>Term</b><br>Production reporting and status control | Normally includes manufacturing order authorization,<br>release, acceptance, operation start, delay reporting,<br>move reporting, scrap and rework reporting, order<br>close-out, and payroll interface. Syn.: manufacturing<br>order reporting, shop order reporting. |  |
| APICS CPIM Learning System © 2025                      |  |  |

| Module 5<br>Section B: Scheduling and PAC Methods |  | Any signal that indicates when to produce or transport<br>items in a pull replenishment system. For example, in<br>just-in-time production control systems, a kanban card  |  |
|---|--|--|--|
| <b>Term</b><br>Pull signal                        | is used as [this] to replenish parts to the using operation. See: pull system.   |  |  |
| APICS CPIM Learning System © 2025                 |  |  |  |
| Module 5<br>Section B: Scheduling and PAC Methods | r a  | The scheduling of activities so that predetermined<br>resource availability pools are not exceeded. Activities<br>are started as soon as resources are available (with<br>respect to logical constraints), as required by the                  |  |
| <b>Term</b><br>Resource-limited scheduling        |  | activity. When not enough of a resource exists to<br>accommodate all activities scheduled on a given day, a<br>priority decision is made. Project finish may be<br>delayed, if necessary, to alter schedules constrained<br>by resource usage. |  |
| APICS CPIM Learning System © 2025                 |  |  |  |
| Module 5<br>Section B: Scheduling and PAC Methods |  | A scheduling procedure used in some process  |  |
| <b>Term</b><br>Reverse flow scheduling            | <ul> <li>industries for building process train schedules. S with the last stage and proceeds backward (countercurrent to the process flow) through the process structure.</li> </ul>             |  |  |
| APICS CPIM Learning System © 2025                 |  |  |  |
| Module 5<br>Section B: Scheduling and PAC Methods | l 📕 r  | One of the three devices required for proper management of operations. (The other two are drum   |  |
| <b>Term</b><br>Rope                               | and buffer.) The rope is the information flow from the<br>drum to the front of the line (material release), whic<br>chokes the release of materials to match the flow<br>through the constraint. |  |  |
| APICS CPIM Learning System © 2025                 |  |  |  |

| Module 5<br>Section B: Scheduling and PAC Methods<br>Term<br>Specification | A clear, complete, and accurate statement of the technical requirements of a material, an item, or a service, and of the procedure to determine if the requirements are met.  |  |
|--|---|--|
| Module 5<br>Section B: Scheduling and PAC Methods                          | A manufacturing order quantity that has been divided<br>into two or more smaller quantities, usually after the<br>order has been released. The quantities of [this] may   |  |
| <b>Term</b><br>Split lot<br>APICS CPIM Learning System © 202               | be worked on in parallel, or a portion of the original<br>quantity may be sent ahead to a subsequent operation<br>to be worked on while work on the remainder of the<br>quantity is being completed at the current operation.<br>The [purpose] is to reduce the lead time of the order. |  |
|  |   |  |
| Module 5<br>Section B: Scheduling and PAC Methods                          |   |  |
| <b>Term</b><br>Standardized work   | A work process that is always carried out exactly the same way, preferably using the current best known way under which the output can be achieved.   |  |
| APICS CPIM Learning System © 202   | 5   |  |
| Module 5<br>Section B: Scheduling and PAC Methods                          | A storage point logated upstraam of a work station  |  |
| <b>Term</b><br>Store   | A storage point located upstream of a work station,<br>intended to make it easier to see customer<br>requirements.  |  |
| APICS CPIM Learning System © 202   | 5   |  |

| Module 5<br>Section B: Scheduling and PAC Methods<br>Term<br>Takt time<br>APICS CPIM Learning System © 2025 | Sets the pace of production to match the rate of customer demand and becomes the heartbeat of any lean production system. Computed as the available production time divided by the rate of customer demand. For example, assume demand is 10,000 units per month, or 500 units per day, and planned available capacity is 420 minutes per day. [This] = 420 minutes per day ÷ 500 units per day = 0.84 minutes per unit. [This means] that a unit should be planned to exit the production system on average every 0.84 minutes. Syn.: tact time. |  |
|---|---|--|
|   |   |  |
| Module 5<br>Section B: Scheduling and PAC Methods   | A holistic management philosophy developed by Dr.<br>Eliyahu M. Goldratt, based on the principle that<br>complex systems exhibit inherent simplicity. Even a  |  |
| <b>Term</b><br>Theory of constraints (TOC)  | very complex systems exhibit innerent simplicity. Even a<br>very complex system comprising thousands of people<br>and pieces of equipment can have, at any given time,<br>only a very, very small number of variables—perhaps<br>only one, known as a constraint—that actually limit the<br>ability to generate more of the system's goal.  |  |
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| Module 5<br>Section B: Scheduling and PAC Methods   |   |  |
| <b>Term</b><br>Time buffer<br>APICS CPIM Learning System © 2025   | Protection against uncertainty that takes the form of time.   |  |
|   |   |  |
| Module 5<br>Section B: Scheduling and PAC Methods   | Allowable departure from a nominal value established<br>by design engineers that is deemed acceptable for the<br>functioning of the good or service over its life cycle.  |  |
| <b>Term</b><br>Tolerance  |   |  |
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| Module 5<br>Section B: Scheduling and PAC Methods<br>Term<br>Tolerance limits | 1) The upper and lower extreme values permitted by<br>the tolerance. 2) In work measurement, the limits<br>between which a specified operation time value or<br>other work unit will be expected to vary. See: lower<br>specification limit, upper specification limit. Syn.:<br>specification limits.          |  |
|---|---|--|
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| Module 5<br>Section B: Scheduling and PAC Methods                             |   |  |
| <b>Term</b><br>Transfer batch   | The quantity of an item moved between sequential<br>work centers during production. See: batch, overlap<br>quantity.  |  |
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| Module 5<br>Section B: Scheduling and PAC Methods                             | A kanban system where a move card and production<br>card are employed. The move card authorizes the<br>movement of a specific number of parts from a source   |  |
| <b>Term</b><br>Two-card kanban system   | to a point of use. The move card is attached to the<br>standard container of parts during movement of the<br>parts to the point of use. The production card<br>authorizes the production of a given number of parts<br>for use or replenishment. Syn.: dual-card kanban<br>system. See: one-card kanban system. |  |
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| Module 5<br>Section B: Scheduling and PAC Methods                             |   |  |
| <b>Term</b><br>Unplanned repair   | Repair and replacement requirements that are<br>unknown until remanufacturing teardown and<br>inspection.   |  |
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| Module 5<br>Section B: Scheduling and PAC Methods<br>Term<br>Upper specification limit (USL) | In statistical process control, the line that defines the maximum acceptable level of random output. See: tolerance limits.  |
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| Module 5<br>Section B: Scheduling and PAC Methods  | In the theory of constraints, a procedure for determining the general flow<br>of parts and products from raw materials to finished products (logical<br>product structure). [The "V"] logical structure starts with one or a few raw<br>materials, and the product expands into a number of different products as<br>it flows through divergent points in its routings. The shape of an ["A"]<br>logical structure is dominated by converging points. Many raw materials<br>are fabricated and assembled into a few finished products. [The "T"]     |
| <b>Term</b><br>VATI analysis<br>APICS CPIM Learning System © 2025                            | <ul> <li>logical structure consists of numerous similar finished products assembled from common assemblies, subassemblies, and parts. An ["I"]</li> <li>logical structure is the simplest of production flows, where resources are shared between different products and the flow is in a straight line sequence (e.g., an assembly line). Once the general parts flow is determined, the system control points (gating operations, convergent points, divergent points, constraints, and shipping points) can be identified and managed.</li> </ul> |
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| Module 5<br>Section B: Scheduling and PAC Methods  | The control of authorized levels of activities and inventories in a way that is instantly and visibly  |
| <b>Term</b><br>Visual control  | obvious. A type of activity and inventory control used in<br>a workplace organization where everything has an<br>assigned place and is in its place.   |
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| Module 5<br>Section B: Scheduling and PAC Methods  | 1) Arrangement in which companies exchange their<br>wastes for the benefit of both parties. 2) An exchange<br>service of valuable information between generators and<br>potential users of industrial and commercial wastes,   |
| <b>Term</b><br>Waste exchange  | whereby a beneficial use rather than disposal is the<br>end result. This service identifies both the producers<br>and potential markets for by-products, surpluses,<br>unspent materials, and other forms of solid waste that<br>is no longer needed.  |
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