

## Demand Driven MRP Dictionary – German Translation

### Allgemein:

- Alle Abkürzungen und DDMRP-spezifischen Schlüsselbegriffe bleiben im Original
- Bei der ersten Verwendung und ggf. später in Klammern eine deutsche Entsprechung
  - Beispiel: Demand Driven Adaptive System (DDAS, Bedarfssynchrones Adaptives System)
- Einzelne Begriffe werden zur besseren Lesbarkeit im Text eingedeutscht:
  - Durchschnittlicher Tagesverbrauch
  - Entkoppelte Durchlaufzeit
- Grammatikalische Anmerkungen in eckigen Klammern

<b>Term</b>	<b>Definition</b>	<b>FINAL</b>
actively synchronized replenishment	<i>The initial name given to DDMRP</i>	<b>Aktiv Synchronisierter Nachschub</b>
ADU	<i>Acronym of Average Daily Usage</i>	ADU [m]
ADU alert	<i>An alert indicating a significant change in ADU within a defined set of parameters (quantity and time).</i>	ADU-Warnung
ADU alert horizon	<i>A defined shorter rolling range within the broader rolling horizon used to calculate ADU.</i>	ADU-Warnhorizont
ADU alert threshold	<i>A defined level of change in ADU that triggers the alert within the ADU alert horizon.</i>	ADU-Warnschwelle
ADU-based recalculation	<i>A process of dynamically adjusting strategically replenished buffers incorporating a rolling horizon.</i>	ADU-basierte Neuberechnung
artificial batch	<i>Any batch that is not a function of actual demand.</i>	Künstliches Los
ASR	<i>Acronym of Actively Synchronized Replenishment</i>	ASN [m]
average daily usage (ADU)	<i>Average usage of a part, component, or good on a daily basis.</i>	Durchschnittlicher Tagesverbrauch (Average Daily Usage, ADU)
average inventory range	<i>the red zone plus the green zone quantity from a planning perspective</i>	Durchschnittlicher Bestandsbereich
average on-hand position	<i>the red zone plus half the green zone quantity from a planning perspective</i>	Durchschnittsbestand
blended ADU	<i>ADU calculated based on a combination of history and forecast</i>	Gemischter ADU [m]
buffer penetration	<i>The amount of remaining buffer, typically expressed as a percentage.</i>	Puffertiefe
buffer profile	<i>A globally managed group of parts with similar lead time, variability, control, and order management characteristics.</i>	Pufferprofil
buffer status alerts	<i>show the current and projected status of the decoupling point positions across the network of dependencies</i>	Pufferstatuswarnung
buffer zone	<i>A stratification layer within a stock buffer. Typically, buffer zones are color coded with red, yellow, and green assignments.</i>	Pufferzone
CDDL	<i>Acronym for Certified Demand Driven Leader</i>	CDDL [m]
CDDP	<i>Acronym for Certified Demand Driven Planner</i>	CDDP [m]
Certified Demand Driven Planner	<i>A professional certificate from the Demand Driven Institute (DDI) and International Supply Chain Education Alliance (ISCEA) proclaiming that a person has successfully tested for proficiency in the DDMRP method.</i>	Certified Demand Driven Planner [m]
Certified Demand Driven Leader	<i>A professional certificate from the Demand Driven Institute (DDI) and International Supply Chain Education Alliance (ISCEA) proclaiming that a person has successfully tested for proficiency in the aspects of the Demand Driven Operating Model.</i>	Certified Demand Driven Leader [m]

control points	<i>Strategic location in the logical product structure for a product or family that simplify the planning, scheduling and control functions (ref APICS dictionary)</i>	Kontrollpunkt
current on-hand alert	<i>An execution alert generated by current on-hand penetration into the red zone of the buffer.</i>	Aktuelle Bestandswarnung
customer tolerance time	<i>The amount of time potential customers are willing to wait for the delivery of a good or a service</i>	Kundentoleranzzeit
DDAS	<i>Acronym of Demand Driven Adaptive System</i>	DDAS [n]
DDMRP	<i>Acronym of Demand Driven Material Requirements Planning</i>	DDMRP [n]
DDOM	<i>Acronym of Demand Driven Operating Model</i>	DDOM [n]
DDS&OP	<i>Acronym of Demand Driven Sales and Operations Planning</i>	DDS&OP [n]
decoupled explosion	<i>The cessation of bill of material explosion at any buffered/stocked position.</i>	Entkoppelte Stücklistenauflösung
decoupled lead time	<i>A qualified cumulative lead time defined as the longest unprotected/unbuffered sequence in a bill of material.</i>	Entkoppelte Durchlaufzeit (DLT)
demand adjustment factor	<i>The Demand Adjustment Factor (DAF) is a manipulation to the ADU input at a specific time period.</i>	Nachfrageanpassungsfaktor (DAF)
demand driven adaptive system	<i>A management and operational system designed for complex and volatile manufacturers and supply chains. A Demand Driven Adaptive System uses a constant system of feedback that connects the business strategy to the settings and performance of a Demand Driven Operating Model through a Demand Driven Sales and Operations Planning Process (DDS&amp;OP). A Demand Driven Adaptive System focuses on the protection and promotion of the flow of relevant information and materials in both the strategic (annual, quarterly and monthly) and tactical (hourly, daily and weekly) relevant ranges of decision making in order to optimize return on equity performance as change occurs</i>	Demand Driven Adaptive System (DDAS, Bedarfssynchrones Adaptives System) [n]
demand driven material requirements planning (DDMRP)	<i>A method to model, plan and manage supply chains to protect and promote the flow of relevant information and materials. DDMRP is the supply order generation and management engine of a demand driven operating model.</i>	Demand Driven Material Requirements Planning (DDMRP, Bedarfssynchrone Materialbedarfsplanung) [n]
demand driven operating model	<i>A supply order generation, operational scheduling and execution model utilizing actual demand in combination with strategic decoupling and control points and stock, time and capacity buffers in order to create a predictable and agile system that promotes and protects the flow of relevant information and materials within the tactical relevant operational range (hourly, daily and weekly). A Demand Driven Operating Model's key parameters are set through the Demand Driven Sales and Operations Planning process to meet the stated business and market objectives while minimizing working capital and expedite related expenses.</i>	Demand Driven Operating Model (DDOM, Bedarfssynchrones Betriebsmodell) [n]

demand driven sales and operations planning.	<i>a bi-directional integration point in a Demand Driven Adaptive System between the strategic (annual, quarterly and monthly) and tactical (hourly, daily and weekly) relevant ranges of decision making. DDS&amp;OP sets key parameters of a Demand Driven Operating Model based on business strategy, market intelligence and key business objectives (strategic information and requirements). DDS&amp;OP also projects the model performance based on the strategic information and requirements and various model settings. Additionally, DDS&amp;OP uses variance analysis based on past model performance (reliability, stability and velocity) to adapt the key parameters of a Demand Driven Operating Model and/or recommend strategic alterations to the model and project their respective impact on the business.</i>	Demand Driven Sales and Operations Planning (DDS&OP, Bedarfssynchrone Absatz- und Vertriebsplanung) [n]
DLT	<i>Acronym of decoupled lead time</i>	DLT [f]
dynamic buffers	<i>Buffer levels that are adjusted either automatically or manually based on changes to key part traits.</i>	Dynamische Puffer
execution horizon	<i>The life cycle of orders from the time the order is created and/or released to the time it is closed.</i>	Ausführungshorizont
flow index	<i>average order frequency compared across all parts</i>	Flow-Index
forward ADU	<i>ADU calculated based on forecast</i>	Vorausschauender ADU [m]
green zone	<i>The top layer of a replenished and replenished override buffer. If available stock is in this zone, then no additional supply is created.</i>	Grüne Zone
lead time adjustment factor	<i>A multiplicative factor applied to part's lead time.</i>	Durchlaufzeitanpassungsfaktor
lead time alert	<i>An alert/warning generated by an LTM part. An alert will be triggered whenever the part enters a different time zone from its buffer. Green is the first alert to be encountered, followed by yellow and then red.</i>	Durchlaufzeitwarnung
lead time alert zone	<i>The zone associated with the percentage of lead time that provides the definition for lead-time alerts. The LTM alert zone has three equal sections color coded green, yellow, and red.</i>	Durchlaufzeitwarnungszone
lead-time-managed (LTM) part	<i>A critical non-stocked part that will have special attention paid to it over its execution horizon. Typically, LTM parts are critical, long-leadtime components that do not have sufficient volume to justify stocking. A portion of the lead time of the part (typically 33 percent) will have a three-zoned warning applied to it. That portion is typically divided into three equal sections.</i>	Durchlaufzeitgesteuertes Teil
LTM part	<i>Acronym of Lead-Time-Managed part</i>	DLZ-gesteuertes Teil
market potential lead time	<i>The lead time that will allow an increase in price or the capture of additional business either through existing or new customer channels.</i>	Marktpotentiallieferzeit
material synchronization alert	<i>An alert generated by the earliest occurrence of a negative on-hand balance (current or projected) within at least one DLT.</i>	Materialsynchronisierungswarnung
matrix bill of material	<i>a chart made up from the bills of material for a number of products in the same or similar families. It is arranged in a matrix with components in columns and parents in rows (or vice versa) so that requirements for common components can be summarized conveniently (ref APICS dictionary)</i>	Stücklistenmatrix

net flow equation	<i>A planning calculation to determine the planning status of a buffered item. The equation is on-hand + on-order (also referred to as open supply) – unfulfilled qualified actual demand. Also known as the "available stock equation".</i>	Net Flow-Gleichung
net flow position	<i>The position yielded by the net flow equation against a part's buffer values. Also known as "available stock position".</i>	Net Flow-Position
nonbuffered part	<i>All parts that are not stocked.</i>	Ungepuffertes Teil
occurrence-based recalculation	<i>A method to adjust buffers based on the number and severity of specific occurrences in predefined fixed interval.</i>	Fallbasierte Neuberechnung
on-hand alert level	<i>The percentage of the red zone used by buffer status alerts in order to determine a yellow or red color designation.</i>	Warnschwelle des verfügbaren Bestandsniveaus
order spike horizon	<i>A defined future time frame used to qualify order spikes in combination with an order spike threshold. Typically, order spike horizon is set to one ASRLT.</i>	Auftragsspitzenhorizont
order spike threshold	<i>A defined amount used to qualify order spikes in combinations with an order spike horizon. Typically, the order spike threshold will be expressed as a percentage of the total red zone (or min value) of a part's buffer.</i>	Auftragsspitzenschwelle
OTOG	<i>Acronym of Over Top of Green</i>	OTOG [n]
over top of green (OTOG)	<i>A situation in which either available stock or on-hand stock is over the top of defined green zone, indicating an excessive inventory position.</i>	Over top of green (OTOG) [n]
PAF	<i>acronym for Planned Adjustment Factor</i>	PAF [m]
past ADU	<i>ADU calculated based on history</i>	Historischer ADU [m]
Planned Adjustment Factor	<i>Buffer manipulations based on certain strategic, historical, and business intelligence factors.</i>	v (Planned Adjustment Factor, PAF)
planned adjustments	<i>Manipulations to the buffer equation that affect inventory positions by raising or lowering buffer levels and their corresponding zones at certain points in time. Planned adjustments are often based on certain strategic, historical, and business intelligence factors.</i>	Geplante Anpassungen
Prioritized share	<i>An allocation schema utilizing the net flow positions of a group of parts in order to accommodate a specific limitation or requirement.</i>	Priorisierte Quote
projected on-hand alert	<i>An alert generated by a projected on-hand positions over a part's DLT based on on-hand, open supply, and either actual demand or ADU.</i>	Hochgerechnete Warnmeldung des verfügbaren Bestands
qualified actual demand	<i>The demand portion of the available stock equation comprised of qualified order spikes, past-due demand, and demand due today.</i>	Qualifizierter tatsächlicher Bedarf
qualified order spike	<i>A quantity of combined daily actual demand within the order spike horizon and over the order spike threshold.</i>	Qualifizierte Nachfragespitze
ramp-down adjustment	<i>Manipulations to the buffer equation that affect inventory positions, lowering buffer levels and their corresponding zones at certain points in time. Ramp-down adjustments typically are used in part deletion.</i>	Auslaufenpassung
ramp-up adjustment	<i>Manipulations to the buffer equation that affect inventory positions, raising buffer levels and their corresponding zones at certain points in time. Ramp-up adjustments typically are used for part introduction.</i>	Anlaufenpassung
red zone	<i>The lowest-level zone in a replenished and replenished override part buffer. The zone is color-coded red to connote a serious situation. The red zone is the summation of red zone safety and red zone base.</i>	Rote Zone

red zone base	<i>The portion of the red zone sized by lead-time factors.</i>	Basis der Roten Zone
red zone safety	<i>The portion of the red zone sized by variability factors.</i>	Sicherheit der Roten Zone
relative priority	<i>The priority between orders filtering by zone color (general reference) and buffer penetration (discrete reference).</i>	Relative Priorität
replenished override part	<i>A strategically determined and positioned part using a static (buffer zones are manually defined) three-zoned buffer for planning and execution. Planned adjustments, however, can be used with these buffers.</i>	Statisch gepuffertes Nachschubteil
replenished part	<i>A strategically determined and managed part using a dynamic three-zoned buffer for planning and execution. Buffer zones are calculated using buffer profiles and specific part attributes such as ADU and DLT.</i>	Nachschubteil
sales order visibility horizon	<i>The time frame in which a company typically becomes aware of sales orders or actual dependent demand.</i>	Kundenauftragssichtweite
seasonality adjustment	<i>Manipulations to the buffer equation that affect inventory positions by adjusting buffers to follow seasonal patterns.</i>	Saisonale Anpassung
significant minimum order quantity	<i>A minimum order quantity that sets the green zone of a buffer.</i>	Erhebliche Mindestbestellmenge
spike	<i>The comparatively large upward or downward movement of a value level in a short period.</i>	Spitze
Stock out (SO)	<i>an item that is not immediately available in stock (ref APICS dictionary)</i>	Nullbestand (Stock out, SO))
Stock out with Demand (SOWD)	<i>an item that is not immediately available in stock and has a requirement</i>	Nullbestand mit Bedarf (Stock out with Demand, SOWD)
Stock out with Demand Alert	<i>a notification of a strategically stocked item indicating a lack of inventory on hand and a presence of a requirement</i>	Warnung bei Nullbestand mit Bedarf
strategic inventory positioning	<i>The process of determining where to put inventory that will best protect the system against various forms of variability to best meet market needs and leverage working capital.</i>	Strategische Bestandspositionierung
supply offset	<i>Adjusting the timing of the application of a demand adjustment factor to account for long lead time components.</i>	Nachschubversatz
synchronization alerts	<i>Alerts designed to highlight problems with regard to dependencies.</i>	Synchronisierungswarmmeldung
thoughtware	<i>The analysis and process employed to define the relevant factors and dependencies in an organization or system in order to construct appropriate business rules and operating strategies that maximize velocity, visibility, and equity. Within the DDRMP framework, thoughtware is commonly referred to with regard to applying the inventory positioning factors.</i>	Thoughtware (Denkweise)
TOG	<i>Acronym of Top Of Green</i>	TOG
top of green (TOG)	<i>The quantity of the top level of the green zone. TOG is calculated by the sum of red, yellow, and green zones.</i>	Spitze der Grünen Zone (Top of Green, TOG)
top of red (TOR)	<i>The quantity of the top level of the red zone.</i>	Spitze der Roten Zone (Top of Red, TOR)
top of yellow (TOY)	<i>The quantity of the top level of the yellow zone.</i>	Spitze der Gelben Zone (Top of

	<i>TOY is calculated by the sum of the red and yellow zones.</i>	Yellow, TOY)
TOR	<i>Acronym of Top Of Red</i>	TOR
TOY	<i>Acronym of Top Of Yellow</i>	TOY
yellow zone	<i>The middle layer of the buffer level coded with yellow to convey a sense of warning. The yellow zone is the rebuild zone for replenished and replenished override buffers.</i>	Gelbe Zone
zone adjustment factor	<i>Adjusting part buffer zones by applying a multiplicative factor to the value of the zone.</i>	Zonenanpassungsfaktor

#### Weitere Begriffe

Relevant range		Relevanter Bereich Relevanter Zeitraum Relevanter Horizont
Flow		Fluss Flow
Time bucket		Zeitraster
Order generation		Auftragserzeugung