RELEASE NOTES

CAMELOT LEAN SUITE

Contents

Version: 5.00 (2018-01-16)

Rhythm Wheel Planning

Important Notes:

1. When upgrading to RWP 5.0 from any version older than RWP 4.9, **please ensure that report /CLS/RWD_UPGRADE is executed** once after the import of the CLS 5.0 transport is completed

What´s New

- New Cycle Type introduced
  Weekly Bucket planning is now available. The planning starts at the first day of the week. For this new cycle type a new factoring method was introduced: Campaign Time (Minimum Campaign cannot be run over maximum cycle end time)
- New Make Types for products introduced
  The Make Types Fix and dynamic were introduced. You have now the possibility to define a production for special products in every cycle (Make type "F") and a fix quantity with additional demand (Make type "D")
- Handling of Phantom Assembly (PDS)
  Phantom Assemblies in the Bill of Material are now handled in the ATP check and in the minimum Campaign Logic. This needs to be activated in the Customizing Cockpit
- New Calculation logic for an Optimized Sequence
  The user has now the possibility to select an optimization logic for the optimized sequence, this can now be costs or setup times. This is handled through the customizing cockpit
- Different ATP Categories for planned order creation
  This functionality allows you to define based on the input category a specific planned order category for the heuristic. This can be maintained in the Rhythm Wheel heuristic
- Consideration of Different Demands during the Netting
  With the new functionality which can be maintained in a table the user has now the possibility to maintain different ATP categories as forecast based demand categories. This is then handled in the Rhythm Wheel Heuristic if you maintain the field horizon without forecast
- Minimum Campaign Logic (fields have to be activated each in customizing cockpit)
    o Minimum Campaign Size (opposite to Max. Campaign Time). Check of a Minimum Campaign size was implemented. This is a new factoring method. A minimum campaign group with minimum campaign alternative unit of measure and minimum quantity can be defined. Additionally, to this logic a Critical Component can be assigned here. A special logic for the Min. Campaign is if a MTO Product is in this Campaign, then the Campaign is produced even if the minimum Campaign Size is not reached.
    o Campaign Cut Off factoring for Minimum Campaign Groups is available. Similar to Cut Off Factoring, but factors whole campaigns instead of products.
    o Campaign Time Factoring, as already mentioned for weekly bucket cycle type.

- DDMRP Buffer Status Factoring Method
  A new Factoring Method was introduced to factor against the Buffer Status of Products, first the percentage value is taken into account and then the color of the buffer status.

Fixed Issues

- Right consideration of PPMs
- Quota Arrangements problem is solved

Further Information:

- Renaming of following fields in the Rhythm Wheel Designer

Stock Buffer Management

What´s New

Initial release of the Stock Buffer Management (SBM) module, which now bundles the enhancement "Stock Parameter Optimization (SPO)" and additional enhancements for stock buffer sizing, monitoring, analytics and demand driven replenishment planning. The new SBM module comprises all functionalities of the SPO module. SBM is available for SAP APO and SAP S/4HANA Advanced Planning.

SBM comprising the following components:

- Stock Buffer Setting (-> formerly SPO)
- Stock Buffer Monitoring (i.e. Stock Buffer Status Report)
- Demand Driven MRP (DDMRP) Heuristic for APO PP/DS
- Optionally: Camelot RDS (Rapid Deployment Solution) for DDMRP planning and stock buffer analytics with SAP APO SNP

Stock Parameter Optimization

Important Notes:

1. As of Release 5.0 the development of the Stock Buffer Optimization (SPO) module will continue as part of the new Stock Buffer Management (SBM) module. The current SPO module will remain available in the Camelot LEAN Suite 5.0 and (until further notice) future CLS releases, but will not receive any further enhancements (except bug fixes).
2. When upgrading to SPO 5.0 from any version older than SPO 4.8, **please ensure that report /CLS/SPO_UPGRADE is executed** once after the import of the CLS 5.0 transport is completed

What´s New

1. New SNP macro function to retrieve the SPO parameter type within SNP macros
2. New SNP macro function to retrieve the SPO future demand period (i.e. number of months of future demand to be considered for ADD calculation) within SNP macros
3. Safety stock min/max boundaries: Added plausibility check ensuring that the maintained minimum safety stock values are always below or equal to the defined maximum safety stock values

Fixed Issues

1. SPO Cockpit field "Expected Average On-Hand Stock Delta (%)" did not consider parameter type, i.e. the percentage deviation was always calculated based on the expected average on-hand stock quantity. (CLSSPO-162)
2. Fixed an issue with manual safety stock entry that occurred when parameter calculation mode "Pre-Defined Coverage" was used in combination with parameter type "M" (CLSSPO-165)
3. Fixed an issue where the data load for future demand data may not be triggered correctly if new demand data was imported from APO LiveCache with the SPO integrated import report /CLS/SPO_STAGING_SET. (CLSSPO-172)
4. Fixed an issue in the SPO integrated import report /CLS/SPO_STAGING_SET where not all demand data was loaded in case that customer segments were used (CLSSPO-196)
5. SPO Cockpit Selection Screen: Fixed an issue where selection did not work properly when criteria 'Supply Type' or 'Source Location' where combined with the 'Not equal to' operator. (CLSSPO-180)
6. Fixed an issue where the ADD was calculated incorrectly when calculation was based on future demand and the current date of the calculation was not the beginning of a period (CLSSPO-191)
7. Corrected an issue with LT calculation for manufactured products where a SNP production horizon is maintained (CLSSPO-201)

SOFOS

What's New

N/A

Fixed Issues

1. When an order was factored with Bring-Forward Levelling and it was scheduled into a campaign there, a bug could occur, which lead to an infinite schedule for a few orders in the following bucket

Setup Matrix Builder

What's New

New introduced module of the Camelot LEAN Suite. Details are available in the Functional Specification.

Version: 5.01 (2018-03-07)

Rhythm Wheel Planning

Important Notes

1. ATP Category Mapping table /CLS/ATP_CAT_MAP has been technically changed. When table is in use: No automatic upgrade function is available, so table content should be downloaded manually (e.g. via SE16) before technical import and updated correspondingly after technical import. The setting "forecast-based demand" has been moved to ATP Category Configuration table /CLS/ATP_CAT_CFG and should be maintained there from manually downloaded data.
Risk: Data loss is possible, import issue and manual activation of database table

What's New

1. RWH DDMRP Enhancement: Net Flow Equation. DDMRP Products are planned against SBM buffers in defined horizons (pull, push), considering SBM relevant values.
2. New Netting logic available: Bucket Min Inventory Driven
3. ATP Category Mapping and Configuration options has been divided into 2 tables → Check Important Notes
4. ATP Category Mapping for Runner products is now available, relevant for standard mapping and DDMRP Enhancement
5. Weekly Bucket logic can now start on selectable weekday
6. Initial Factoring window in RWD are only displayed when relevant (Min Campaign Factoring methods are only available if specific fields are maintained)
7. RWL has been enhanced by new relevant fields

Fixed Issues

RWD

1. Fix in product master data loading (Mode Priority, Lot size, Initial Status)
2. Locked PDS handling has been corrected while product data loading
3. Disable some field maintenance and selection option for Classic Wheel type

RWH

1. Fixed Order consideration regarding setup times and factoring (esp. fill-up factoring, prepone, min campaign factoring methods, etc.)
2. Weekly Bucket fix, that first week could be skipped
3. Dependent operations are now scheduled on mode A
4. Quota Arrangements have been wrongly considered for special cases

RWM

1. Selection of product was sometimes not possible

General:

1. Updated F1 and F4 helps in different modules
2. Obsolete functions have been removed
3. Cleanup technical objects and obsolete coding

Stock Buffer Management

Important Notes

1. SBM Background Processing: In order to load master data, the flag "Load Master Data" must be selected. Master data load is no longer included in transactional data load.
2. For parameter type "D" and "M", the lot size is no longer considered for calculation of the cycle stock in days coverage and related parameters in days coverage (Target Stock Days; IRL Days)
3. ADU horizon is now defined separately from demand variability horizon. Setting "Future demand horizon (months)" has been replaced by new field "Forward ADU Calculation horizon (days)"
4. Logic for processing of demand history and future demand has been reworked, which may result in slightly different calculation results for ADU, demand variability and forecast error

What's New

Stock Buffer Setting

1. Support for determination of time-dependent ADU and time-dependent buffer levels (new parameter type "T"), including optional lead time offset (shifting buffer levels forward by lead time)
2. Support for time-dependent manual stock buffer zone adjustments (new transaction: /CLS/SBM03), presence of time dependent adjustments are indicated in the SBM Buffer Sizing Cockpit
3. Support for manual override of cycle stock (in both quantity and days coverage)
4. Calculation mode "DDMRP": Support for min/max safety zone boundaries and manual buffer zone overrides
5. Calculation mode "DDMRP": Support for supply type specific and plant specific segmentation settings and buffer profiles
6. Improved calculation of ADU; Support for blended (forward/backward) calculation horizon. Forward/backward calculation horizon can now be defined in days instead of months
7. Support for (automatic) exclusion of outliers also for future demand
8. Display of buffer zones (in addition to stock buffer parameters) in SBM Cockpit
9. Configurable naming of buffer zones and buffer parameters, e.g. classical names ("Safety Stock" etc.) or DDMRP terminology ("Red Buffer Zone" etc.), including support for custom naming
10. Various minor usability improvements (screen layout etc.)

Stock Buffer Monitoring

1. Support for retrieving (time-dependent) buffer levels either directly from SBM or from SNP planning book
2. Support for interactive re-determination of buffer status

3. Allow to jump from buffer status report directly to (definable) SNP planning view in order to review details of the planning situation for a particular location product

DDMRP Heuristic

1. Support for creation of receipts (DDMRP pull replenishment order / FC-based receipts) with custom ATP-categories, in order to distinguish between Pull signals and FC-based demand/receipt elements
2. Support for time-dependent buffer parameters

General

1. Determination of next downstream decoupling points for support of Rhythm Wheel factoring by stock buffer status when relevant stock buffers are placed in the downstream supply network
2. Complete rework of transactional data processing, providing an improved handling of product supersession relations and demand data on different aggregation levels
3. Enhanced cleanup report to remove obsolete transactional data from SBM database tables

Fixed Issues

N/A

SOFOS

What's New

N/A

Fixed Issues

N/A

Setup Matrix Builder

Important Notes

1. The new Technology filter field for product only works if for all resources in all technologies the SoS data is saved (Button: Update SoS Setup Group in Resource view or in Setup Group view)
2. In the CLS customizing cockpit a SMB dummy Setup Group should be maintained, otherwise the Setup Group field in PDS and PPM would be integrated blank for products which have an active SMB entry but are not fully maintained

What's New

1. Material description added to Setup Group view
2. A warning message appears, when changing the Setup Matrix name
3. After the execution of the deletion report, a log shows up

4. Transaction /CLS/SMB_DEL created for deletion report
5. When changing SoS data it is immediately shown in the Setup Group view
6. For not yet maintained entries in the Setup Group view, default values are loaded from alternative modes or alternative matrices
7. SKUs which have the SMB dummy Setup Group, do not prevent matrix generation anymore; the light in the generation view switches to yellow for them
8. A button for matrix generation is introduced to the resource view
9. Sense check for the combination rule is introduced
10. A warning message shows up when deleting a technology
11. A filter is introduced for the technology screen
12. When Setup Groups, Value Matrices or Combination Rules are changed, the relevant matrix is indicated with a yellow light in the generation view
13. The SMB dummy Setup Group can be set in the Camelot LEAN Suite Customizing Cockpit, as well as the possibility to disable the authorization checks in SMB
14. It is possible to exclude single lines in the Setup Group view for matrix generation and SoS update
15. For all SKUs which have the SMB dummy Setup Group maintained, there is a dummy transition generated into the matrices; the dummy transition time can be determined in the generation view

Fixed Issues

1. Change of SoS during CIF integration gave wrong results
2. Warning message for alternative modes was showing up also for not-changed entries
3. When saving PDS it could happen that the operations counter is not sequenced correctly anymore
4. If all matrices are set to manual in one technology no characteristics or characteristic values are needed anymore
5. Several users could change data at the same time without being mutually locked
6. For manual matrixes the wrong UoM was taken into consideration at generation in some cases
7. During CIF integration Setup Groups from wrong location could have been considered
8. During SoS update Setup Groups from wrong location could have been considered
9. In resource view it was possible to upload two active matrices for the same resources via Excel
10. Setup Groups were deleted by deletion report although they were still in use by PDS, PPM or Setup Matrix

Version: 5.02 (2018-04-13)

Rhythm Wheel Planning

What's New

1. Setup Items within products are now considered for dynamic setup times, additionally to Setup Groups
2. Campaign Frequency MMQ was added in RWD as feature
3. Sorting Field Customizing restriction was enhanced by fieldnames starting with "/", enabling customer fields in customer namespace
4. Initial Cycle Type for a design can now be maintained in Customizing Cockpit
5. ATP Category Tables can now be maintained via transaction /CLS/MAINT01 and /CLS/MAINT02

Fixed Issues

RWD

1. HWF was initialized as invalid value, so that RWH could lead to an error if not manually maintained. Initial value for HWF is now set to 0 to avoid that.

RWH

1. Weekly Bucket Process Order Anchor Point was wrongly determined if initial cycle start (by planning horizon and wheel design validity) was different to cycle start shift by weekday. Orders in between were sometimes not considered
2. Short Term Cycles leads to an issue with fixed orders. Fixed orders were not always re-planned
3. If more than one Setup Phases exists, it leads sometimes to a check issue, so that the RWD could not be activated.
4. In some cases, the Max Waiting Time Date for ATP Components was only on max cycle time, not respecting the Confirmation Time would be good. That was wrong for some cases and has been corrected.
5. Lot sizes in Source of Supply has not always been considered correctly. If more than one SoS was maintained with different validities, it was possible that the first valid SoS was considered only. Now the order times are considered in dependency of SoS validity.
6. Orders in Designer are flagged as MTO (ATP Categories), but RWH has not considered them correctly in any case. It has been corrected that these orders are considered as fixed orders with MTO flag.
7. ATP Check with check group "KP" was sometimes processed, which was not expected. "KP" are now considered as fully confirmed quantities.
8. PPMs data could sometimes only be read partially, which leads to a complete "not found" result and no further processing for that product (esp. for specific component settings)

General:

1. Updated F1 and F4 helps in different modules

Stock Buffer Management

What's New

Stock Buffer Setting

1. Stock Buffer Parameters can now be calculated / defined, even if the current ADU is 0. Prerequisite is, that at least any consumption history or future demand data has been imported and loaded for the product location (CLSSBM-293)
2. Change: For order lead time history, to check whether an order is falling into the defined history period the planned order date is considered instead of the actual date (CLSSBM-377, CLSSBM-378)

General

1. Performance of interactive transactions and SBM background processing has been improved (CLSSBM-307)

Fixed Issues

Stock Buffer Setting

1. Products with only numeric product numbers were not correctly displayed in SBM Cockpit and other SBM transactions (CLSSBM-335)
2. Unit cost data was not correctly loaded from APO (CLSSBM-363)
3. The fields "Proposed Safety Stock / Red Buffer Zone" have not been displayed correctly in the SBM Cockpit (CLSSBM-326)
4. Interactive data load in the SBM Cockpit did not work correctly if no Supersession relations were maintained (CLSSBM-338)
5. Supersession Relations where not correctly created from APO Interchangeability Groups (CLSSBM-383, CLSSBM-374)
6. When Supersession Relations where retrieved from APO Interchangeability Groups the validity date was not considered correctly (CLSSBM-387)
7. In some cases product supersession relations have not been correctly considered for consumption history data load (CLSSBM-376)
8. Supersession relation have not been correctly considered for ADU calculation (CLSSBM-379)
9. When entering transaction /CLS/SBM03 for time-dependent buffer adjustments, products could only be loaded if they had been included in the SBM Buffer Status Report before (CLSSBM-384)
10. Pull Horizon was not correctly calculated in the initial data load for products that have been newly added to SBM (CLSSBM-380)
11. Automatic outlier calculation did not work correctly for order lead time history (CLSSBM-350)
12. In some cases the output data status was not determined correctly (CLSSBM-334)
13. When future demand data was imported on daily and weekly level and aggregated to monthly level during SBM data load, the demand on monthly level for the current month could have been wrong, because daily or weekly data for days/weeks that lie completely in the past were not considered (CLSSBM-373, CLSSBM-372)

14. In specific cases the time dependent buffer levels could have been calculated wrongly if a mixed periodicity (weekly and monthly) was defined (CLSSBM-372, CLSSBM-327)
15. Globally defined min/max boundaries for safety stock coverage were applied also to safety stock quantity if parameter type was set to Q – Fixed quantity (CLSSBM-366)
16. In some cases the buffer zones and parameters and related change indicators have not been correctly displayed in the Parameter Details Screen of the SBM Cockpit (CLSSBM-361, CLSSBM-390, CLSSBM-325)
17. Certain changes in global settings were not being applied in the SBM Cockpit view unless the SBM transaction was reloaded (CLSSBM-359, CLSSBM-360)
18. Configurable field "Material status" was not showing values in SBM cockpit (CLSSBM-357)

Stock Buffer Monitoring

1. Buffer Status Report: Link to SNP planning book was only working when SNP was defined as data source (CLSSBM-382)

SOFOS

What's New

N/A

Fixed Issues

N/A

Setup Matrix Builder

What's New

1. If "Plan explosion" field is not maintained in product master, the value maintained in customizing is applied

Fixed Issues

N/A

X

Version: 5.03 (2018-05-25)

Rhythm Wheel Planning

Important Notes:

1. Max Push Out (MPO) can now be activated / deactivated for some Factoring Methods. After Import of Release 5.03 MPO is activated by default and can be deactivated for every Factoring Method in every Design, if wanted. Before Release 5.03 it had been active for "Cut Off", "Campaign Cut Off". Deactivation is now possible for "Cut Off" and "Campaign Cut Off" and now also for "Deallocate", "Fair Share Simple", "Percentage" and "Balanced Percentage". This means that MPO is now directly active for "Deallocate", "Fair Share Simple", "Percentage" and "Balanced Percentage", if not deactivated in Wheel Design Factoring.
MPO in ATP Check is still active by default.

What's New

RWP General:

1. New Factoring Method: "Balanced Percentage". Method reduces quantity equally over all products.
2. Max Push Out activation/deactivation for Factoring Methods.
   a. Newly active by default for "Deallocate", "Fair Share Simple", "Percentage", if not deactivated. Also active and possible to set for "Balanced Percentage", "Cut Off" and "Campaign Cut Off".
   b. Push-Out counter and Push-decision is logged in RWL for Factoring and/or Order sections
3. Campaign Time Factoring now possible for Wheel Type "Time Continuous" and for Factoring in section "Before ATP" and "Final Factoring"
4. Interval Enhancement in cycles for Weekly Buckets. Orders now cannot cross interval borders (i.e. intervals are weekly intervals). A default interval (up to maximum cycle time) is used for "Time Continuous", respecting same rules.
   a. Direct deallocation of orders with order length greater than interval size
   b. Prepone Factoring enabled for Weekly Buckets, respecting starting day and weekly intervals

Fixed Issues

RWH:

1. Factoring:
   a. Cycle from/Cycle to for Initial Factoring and ATP Cycle in Cycle FM not working correctly
   b. CDH prevention in Min Campaign Factoring was not done with MTO products in Campaign, in case that no quantity was factored within this method
   c. CDH was sometimes suppressed for non-Min-Campaign products as outcome of Min Campaign Factoring. This could only happen if products are not part of a Minimum Campaign

     d. Incorrect handling of Fixed Orders in Percentage Factoring when they are next to planned orders of the same product. It could happen that these Fixed Orders then overlap with planned orders

2. Weekly Buckets:
     a. Weekly Bucket Starting Day was for some cases wrongly determined when having more than one Wheel Design with different starting day
     b. Starting date of first cycle (esp. for Weekly Buckets) not determined correctly when planned orders (fixed or not) extend into wheel start (start of first cycle)

3. PPM:
     a. Wrong consideration of Unit of Measure conversions for PPM components, leading to wrong ATP component factors and Min Campaign critical component calculations (both PPM only)

RWD:

1. Highlighting CDH Groups was not always done for incorrect values
2. RWD Log Short Dump when downloading as local file
3. Max Unit (Max Campaign) setting (enablement) in Customizing Cockpit was not working properly

RWL:

1. Skipped lots (no current inventory) with lot number "0" are set to "1" in case of factoring in same cycle

Stock Buffer Management

Important Notes:

1. With this new release calculated lead times and buffer levels can be slightly different due to changed lead time rounding logic (see below)
2. Please check background jobs and variants related to report /CLS/SBM_BSR, as this report has been restructured

What's New

Stock Buffer Setting

1. New subscreen "ADU Details" showing all past and future demand that is used for ADU calculation (CLSSBM-279)
2. Change: Decoupled lead time is always rounded up to full days (CLSSBM-369)
3. Usability improvement: If parameter changes are released interactively in transaction /CLS/SBM01 no additional saving is required as the parameter release is now automatically saved (CLSSBM-371)

Stock Buffer Monitoring

1. Pull planning horizon can now be displayed in the stock buffer report table view (CLSSBM-392)

DDMRP Heuristic

1. New feature: Pull receipts can be treated as fixed within the pull planning horizon, i.e. receipts created in previous planning runs are not deleted inside this horizon (can be configured in CLS customizing) (CLSSBM-306)
2. Change: For non-decoupled location products the PP/DS planning time fence is considered (CLSSBM-312)

General

1. Improved performance for master data load. New setting in CLS customizing to enable parallel processing during PDS/PPM data load (CLSSBM-364, CLSSBM-618)
2. Functionalities that have been previously bundled in report /CLS/SBM_BSR have been split into separate reports /CLS/SBM_BSR (Buffer Status Report), /CLS/SBM_BSH (Buffer Status History Creation), /CLS/SBM_SPA (Planned Stock Buffer Adjustments) (CLSSBM-391)

Fixed Issues

Stock Buffer Setting

1. If a global default value for min/max safety coverage was defined and no location product specific min/max safety stock quantities were defined, the released min/max safety stock quantities value were falsely set to values calculated from the min/max safety stock coverage values (CLSSBM-710)
2. If parameter calculation mode "Optimized" was used with beta service level setting the safety stock was not calculated correctly because the lot size and replenishment interval was not considered correctly (CLSSBM-706)
3. Parameter calculation mode "Optimized": If planning mode was "Forecast based" and the forecast error of a location product exceeded the defined threshold, the fallback to default safety coverage did not work correctly (CLSSBM-700)
4. When CSV upload of forecast history data was performed with setting "replace existing data", also future forecast data was falsely deleted (CLSSBM-685)
5. In some cases the "Number of BOM parents" information was not correctly displayed in the SBM Buffer Sizing Cockpit (CLSSBM-612)
6. In some cases the SBM data load was terminated if demand data was provided from multiple sources (e.g. via BW interface and via CSV upload) for the same date (CLSSBM-628)
7. If demand variability calculation period was changed in the "PL specific settings" subscreen in some cases the new value was not immediately applied (CLSSBM-567)

Stock Buffer Monitoring

1. Determination of open supply did not consider the indicator for fixed order quantities in the definition of the maintained ATP category group (CLSSBM-347)

DDMRP Heuristic

1. Fixed an issue where in some cases not all location products of a selection have been processed correctly (CLSSBM-727)

General

1. If parameter type was set to "Dynamic – Time-dependent" and the ADU forward horizon was set to 0, the projected ADU was not calculated correctly (CLSSBM-627)
2. In some cases ADU was not calculated correctly if a blended horizon was defined (CLSSBM-631)
3. If no BOM data was loaded to SBM the multi level lead time calculation did not work correctly (CLSSBM-645)

SOFOS

What's New

N/A

Fixed Issues

N/A

Setup Matrix Builder

What's New

N/A

Fixed Issues

N/A

Version: 5.04 (2018-07-31)

Rhythm Wheel Planning

What's New

RWD:

1.   A Production Rate alert for zero values of a product has been added incl. logging. These products are excluded for estimated cycle time calculation

Fixed Issues

RWH:

1.   Sequencing:
     a.   Sequence changes (esp. for Minimum Campaigns with min campaign factoring methods and for deallocate factoring with "keep" flag) in a cycle were re-done by factoring recalculation logic that has visible impact in RWL and sometime on the following cycles. This has been fixed
2.   PPM:
     a.   Setup Items/ Setup Keys (next to Setup Groups) has not been correctly considered for PPMs (if Setup Group/Setup Item is read from PPM)
     b.   In some cases, the Setup Times have been read from the wrong operation/ setup activity of the PPM

Stock Buffer Management

Important Notes:

1.   Check new options for parallel processing in CLS customizing
2.   If SBM is used with parameter type T and in conjunction with APO SNP, please check new SNP user functions and change SNP macros to benefit from improved performance of SBM parameter retrieval

What's New

Stock Buffer Setting

1.   Improved subscreen "ADU Details" now visualizing past and future demand and allowing a manual exclusion of data points for ADU calculation (CLSSBM-279)
2.   Manual overrides of cycle stock are now considered for the output data quality status alert, resulting in a yellow output status alert (CLSSBM-114)

3. SBM background processing: Background processing is now also executed if parts of the given selection are locked by interactive users. In this case the affected location products are skipped and an according message is provided in the job log (CLSSBM-319)
4. Increased maximum number of periods for time-dependent buffer parameters from 53 to 200 (CLSSBM-603)
5. New SNP user functions to allow for a more runtime efficient retrieval of SBM buffer levels within SNP macros (CLSSBM-717)
6. Various minor usability improvements (screen layout etc.)

General

1. Support for German language (CLSSBM-790)
2. Complete rework of SBM authorization concept. Authorization concept now covers all SBM transactions and reports (CLSSBM-385)
3. Performance improvement for SBM background data load: Support for parallel processing and data load in blocks resulting in significantly improved runtime and memory efficiency when using SBM for very large data sets (> 100.000 location products) (CLSSBM-420)
4. Significantly improved runtime performance of staging set report when loading data for a large number of location products (CLSSBM-675)

Fixed Issues

Stock Buffer Setting

1. Fixed an issue in the SBM integrated import report /CLS/SBM_STAGING_SET where demand data was not loaded correctly in case that a location product had more than one pegging area (e.g. due to subcontracting segment) (CLSSBM-843)
2. Fixed an issue in the SBM integrated import report /CLS/SBM_STAGING_SET where demand data could have been allocated to the wrong period due to wrong consideration of time zone settings (CLSSBM-955)
3. Fixed an issue in the SBM integrated import report /CLS/SBM_STAGING_SET where the quantity type settings from the ATP category definitions have not been correctly considered and therefore always the field "Total Quantity" was considered (CLSSBM-870)
4. Fixed an issue in the SBM integrated import report /CLS/SBM_STAGING_SET where an error message "User setting for propagation range is not maintained" was raised if no user specific propagation range was maintained (CLSSBM-863)
5. Fixed an issue in the SBM integrated import report /CLS/SBM_STAGING_SET where demand data was not loaded correctly in case that a location product had more than one planning version (CLSSBM-728)
6. Fixed an issue where in some cases wrong lead time was determined in case that the parameter calculation was triggered (in SBM cockpit or in background mode) without first triggering the master data load (CLSSBM-952)
7. Corrected: If location product specific sigma boundary was set to 0 all data points were excluded as outlier instead of disabling the outlier exclusion (CLSSBM-930)
8. Corrected: If no valid order spike threshold was maintained, in some cases maintaining a time-dependent red buffer zone adjustment was leading to an error (CLSSBM-857)

9. Fixed an issue where the product descriptions in the SBM Cockpit where not displayed correctly in case that the logon language was not English and translation for product descriptions into the defined logon language exist (CLSSBM-839)
10. Fixed an issue where BOM data was not correctly loaded from APO PDS or PPM in case of numeric product numbers with more than 18 digits and leading zeros (CLSSBM-823)
11. Corrected: SBM Replenishment interval was not correctly calculated if a product was assigned to a Rhythm Wheel with cycle type "weekly bucket" and a production calendar with non-working days was defined at the production site (CLSSBM-783)

Stock Buffer Monitoring

1. Fixed an issue where the determination of the buffer status and on-hand status indicator appeared to be not determined correctly due to rounding of values if buffer levels were taken directly from SBM instead of SNP (CLSSBM-947)
2. Corrected: If the parameter type for a location product was set to "T", the time-dependent ADU and possible manual adjustments mad in /CLS/SBM03 where not considered for the ADU displayed in the Stock Buffer Status Report (CLSSBM-670)

DDMRP Heuristic

1. Fixed an issue where receipts where created with wrong category in case that the ATP category mapping functionality was used and the field "CLS - ATP Category Characteristics for Mapping" in table "/CLS/ATP_CAT_MAP" was maintained (CLSSBM-713)

SOFOS

What's New

N/A

Fixed Issues

N/A

Setup Matrix Builder

Important Notes:

1. When the release is upgraded from 5.03 to 5.04 the report /CLS/SMB_UPGRADE_5_04 must be executed.
2. To ensure uniqueness of characteristic value matrices between different locations each characteristic value matrix entry within SMB must be explicitly saved (When the release is upgraded from 5.03 to 5.04).

What's New

1. Last update of setup matrix also visible on generation screen
2. Renaming of setup matrix must be triggered by extra-button, to prevent errors
3. New transaction /CLS/SMB03 introduced for read-only functionality
4. Performance improvements
5. Characteristic value names and descriptions, as well as manual setup groups must not have more than 24 digits

Fixed Issues

1. Copy/Paste in Setup Group screen was limited to 10 digits; all other digits were not copied
2. When switching between several matrices in value matrix screen, the data disappeared
3. Excel Down-/Upload not working for numerical product numbers
4. Wrong operation descriptions shown for PPMs
5. Authority check on technology screen not working correctly
6. Setup Matrix and Setup Groups were not saved on the right location
7. When a setup matrix name was changed, not all data were cleared correctly
8. In S/4 orders on a setup matrix could not be created
9. In S/4 save on setup group screen did not work
10. A change in the setup group screen did not result in a yellow light for matrix in generation screen
11. Mass load for products with several PPMs not working

DRP - Demand Driven Replenishment Planning (S4/ECC)

What's New

New introduced module of the Camelot LEAN Suite. Details are available in the Functional Specification.

Version: 5.05 (2018-11-05)

Rhythm Wheel Planning

What's New

1. Combined factoring condition selection: New transaction was introduced /CLS/RWD03. The user has now the possibility to maintain a factoring condition group for the different factoring methods. A combination of the different factoring conditions is possible. The selection of the factoring condition group can be done in the Rhythm Wheel Designer. Please note: a number range /CLS/FCG needs to be created for the factoring condition group
2. Factoring based on signs: The user has now the possibility to select different for the selection criteria for the factoring methods.

3. Enable planning with MRP Areas: Selection can be done now based on MRP Areas
4. Planned order deletion selectable: By default, the Rhythm Wheel Heuristic is deleting all planned orders which are on the resource. The user has now the possibility to select how the Rhythm Wheel Heuristic should delete orders. As a preselection a default value can be maintained in the customizing cockpit for new created wheels. For current wheels the default is used (delete all orders which are on the line)
5. Remove selectable Max push out for deallocation and percentage factoring:

Fixed Issues

1. Planned order deletion: The Rhythm Wheel Heuristic start the deletion now after the anchor point
2. DDMRP Netting for mixed cycles was adopted
3. Scheduling operations on parallel resource: If the source of supply has parallel operations to the scheduled resource the dependent operations were scheduled wrong. Based on the fact that the new scheduling has negative performance impacts the scheduling for parallel operations can be selected in the Rhythm Wheel Design
4. Selection of Time Profile: If the time profile is longer than the planning period of the resource, the Rhythm Wheel Heuristic terminated, this was switched to a warning message and a reduction of the planning time frame

Stock Buffer Management

Important Notes:

1. If buffer levels for the Stock Buffer Status Report (/CLS/SBM02) are retrieved from SNP, the values are no longer read from the initial key figure buckets. Instead SBM now automatically determines the relevant bucket. Therefore, the SNP key figures or the defined source key figures in CLS Customizing need to be adjusted accordingly.

What's New

Stock Buffer Setting

1. Change: In case that parameter type "T" is defined, and no manual cycle stock quantity is defined, if the ADU for a period is zero, the time-dependent cycle stock for that period is set to zero. (CLSSBM-893)
2. New SNP user functions to retrieve the SBM planning mode and the SBM lead time within SNP macros (CLSSBM-1060)
3. New SNP user function to retrieve the calendar day factor that is used in SBM to convert the GR time from the product master into calendar days within SNP macros (CLSSBM-1134)
4. Change: For non-ICP location products, a lead time of zero or missing demand data will no longer lead to a red input data quality status alert (CLSSBM-1030)
5. Change: Reworked logic for determination of the SBM parameter change flag:
   a. The parameter change flag will always be set if the newly determined lead time or pull horizon deviates from its released value (CLSSBM-1020)

b. The parameter change flag will always be set if the new policy stock deviates from the released policy stock (i.e. change threshold is not considered) (CLSSBM-292)

c. In case of parameter type "T", the change flag will always be set if the manual safety / cycle stock or the min/max safety stock values deviate from the released values (i.e. change threshold is not considered) (CLSSBM-292)

6. In the time dependent buffer adjustments (/CLS/SBM03) the demand adjustment factor (DAF) can now be specified with two decimal places (CLSSBM-879)

7. In the time dependent buffer adjustments (/CLS/SBM03) it is now indicated which buckets are lying inside the product's pull planning horizon (CLSSBM-661)

8. Improvement: It is now possible to open the location product specific settings pop-up screen directly from the demand / supply variability sub-screens (CLSSBM-652)

Stock Buffer Monitoring

1. New aggregated buffer status view allows to display the buffer status of products across locations (CLSSBM-402)

2. New: "Buffer status without planned production" for better support of production scheduling decisions (CLSSBM-821)

3. Quantities in Buffer Status Report can be displayed in alternative units of measure (CLSSBM-1122)

4. New selection option allows to extend the defined selection by the next downstream decoupling points (CLSSBM-1040)

5. New selection option allows to select by SBM source location (CLSSBM-1050)

6. New field "Product Description" can now be displayed in the buffer status report views (CLSSBM-915)

7. Change: When buffer levels are retrieved from SNP key figures the values are no longer read from the initial key figure buckets. Instead SBM now automatically determines the relevant bucket (i.e. today's date for on-hand values and end of pull horizon for the buffer level values) (CLSSBM-1149)

General

1. Further performance improvements for SBM background data load (CLSSBM-1015)

2. Logic for determination of relevant transportation lane if several transportation lanes exist was improved (CLSSBM-212)

3. Improved results screen of PL Upload Report (CLSSBM-322)

Fixed Issues

Stock Buffer Setting

1. Fixed an issue in the SBM Cockpit / BoM Details screen, where the Sub BoM checkbox is not filled correctly. (CLSSBM-1282)

2. Fixed an issue in the SBM master data load, where a PSS relation from APO was not imported correctly if the product had leading zeros in its number. (CLSSBM-1238)

3. Fixed an issue in the SBM data load, where a product location was still considered as a target location by the RW buffer status factoring when the product was an ICP product before but ICP was removed (CLSSBM-1202)

4. Fixed an issue in the SBM ADU Calculation, where large consumption/forecast numbers caused a dump. (CLSSBM-1164)
5. Fixed an issue in the SBM Stock Buffer Sizing Report, where the transactional data load was not executed, if the parallelization was not enabled in the customizing. (CLSSBM-1119)
6. Fixed an issue in the SNP User Functions, where a special combination of parameters led to a short dump, when the parameter get-function was executed. (CLSSBM-1017)
7. Fixed an issue in the SBM Cockpit, where the data load causes a long loading time, if the selection does not specify any locations or products. (CLSSBM-943)
8. Fixed an issue in the SBM Cockpit / variability screen, where the ADU displayed incorrectly in the time series graphic. (CLSSBM-1262)
9. Fixed an issue in the SBM Cockpit, where manual outliers were not accepted in the variability screen, after changes in the ADU screen have been made. (CLSSBM-1278)
10. Fixed an issue in the SBM Master data load, where SNP PDS were not loaded correctly (CLSSBM-1294)

Stock Buffer Monitoring

1. Fixed an issue in the SBM Buffer Status Report, where the Top-of Values were displayed, even if the ICP flag was not if data source was SNP. (CLSSBM-1265)
2. Fixed an issue in the SBM Buffer Status Report, where the time zone of the user is considered instead of the time zone of the system. (CLSSBM-1291)
3. Fixed an issue in the SBM Buffer Status Report, where time-dependent buffer levels were not considered for the order spike threshold. (CLSSBM-1116)

SOFOS

Fixed Issues

1. Strategy parameter for usage of current mode not provided correctly from table /SAPAPO/HEUR_SET, which leads to scheduling error (Dependent operations are not scheduled to correct mode priority)

Setup Matrix Builder

What's New

1. Setup Groups can now have 40 letters (char-based and manual)
2. Setup Matrix is not deleted anymore from resource master when the SMB entry is set to inactive, but a default setup matrix defined in Customizing Cockpit is written into resource master
3. Maximum number of processes for parallelization is maintainable in Customizing Cockpit
4. Performance improvement for several functionalities
5. Deletion report removes the Setup Matrix in Resource Master for all planning version, not only for active planning version

6. Report which enables the creation of the default setup group for a specific location has been provided with new transaction
7. Usage of SMB with MRP areas have been enabled

Fixed Issues

1. Excel download issues fixed for technology name with special characters, file name could not be interpreted by Microsoft Windows
2. Excel download issues for characteristic value matrix and generated setup matrix fixed, if the corresponding setup matrix contains special characters, file name could not be interpreted by Microsoft Windows
3. Maintenance issue for characteristic value matrix fixed at usage of characteristic values
4. Issue fixed for initiating update of setup groups in source of supply by setting resource to active via mass load
5. Issue fixed within deletion report for many and long setup groups based on multiple characteristics
6. Selection issue fixed on setup group screen for material selection based on PPMs

DRP - Demand Driven Replenishment Planning (S4/ECC)

What's New

1. Add MD04 functionalities to DRP Element List (Delete, convert)
2. Enable OH View for Element List and MD04
3. Display progress of MRP in interactive run (status line at the bottom)
4. New Log Option: No Log, only DDMRP log, all log
5. Add time as field to PL and BLT table as change time
6. Monitor Keep Flag (Log entries are not deleted)
7. When on Hand View, don't show the projected view columns
8. Selection screen - product / plant restriction (e.g. show only plant, on which the material is created)
9. Open Supply can be considered either only in DLT or over whole Horizon
10. Alternative Unit of Measure
11. Rescheduling Horizon
12. Adopt planning data
13. Enable Upload Report in background

Fixed Issues

1. OSH line should not be before DLT
2. PO/Order Type missing
3. Material Reservation for storage location segment is covered by receipt in DDMRP segment
4. BS-Report not working, when material not in PL table (long run time and dump)
5. Calculate On-Hand Buffer Status % for today, not DLT

DDP - Demand Driven Replenishment Planning (S4/APO)

What's New

New introduced module of the Camelot LEAN Suite. Details are available in the Functional Specification.