CLS Release Notes

Release 6.02

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Summary

Management of versions and information

Document Version	Date DD-MON-YYYY	Author	Description
1.0	30-JUN-2021	Florian Jaspers	Initial Version

RWP - Rhythm Wheel Planning (SCM)

Important Notes

- N/A

What's New

Rhythm Wheel Designer

- Plan from / plan until date
  The user has now the possibility to define an additional period where the Rhythm Wheel Heuristic should create orders, the setting needs to be activated in the Customizing Cockpit
- Adoption of warning message for faulty Source of Supply load if two produce phases are available
- Ignore Order Validity

Rhythm Wheel Heuristic

- Enable ATP Category Mapping for decision "V" orders
- Ignore order spike functionality was added
  The user has now the possibility to activate the setting for ignore order validity in the customizing cockpit, after the activation the setting can be maintained on Rhythm Wheel Design level

Fixed Issues:

- Overlapping orders if the decision is "V" (validity):
  Orders are now created without overlaps, if the decision is "V"
- Read of Setup Matrix Builder Values in Rhythm Wheel Designer
  If a setup value was deleted in the Setup Matrix Builder, the characteristic values were not shown any more in the Rhythm Wheel Designer
- ATP Check
  If two PDS were available with leading 0, the availability check in the Rhythm Wheel Heuristic was dumping
- Source of Supply load message
  An error message instead of a warning message was shown if the Source of Supply activity validity was within the wheel validity

SBM - Stock Buffer Management (SCM)

Important Notes

- N/A

What's New

Stock Buffer Setting

- Change: Recursive BOM structure (i.e. BOM header equal to BOM component) are now identified and disregarded, to enable the lead time calculation in such cases (CLSSBM-1913)

Stock Buffer Monitoring

- Support for location-specific assignment of ATP categories for on-hand stock and qualified demand (CLSSBM-1897)
- Support for disabling determination of order spikes (only when used in conjunction with CLS DDP heuristic and the according DDP setting is maintained) (CLSSBM-1900)

Fixed Issues

Stock Buffer Setting

- Fixed an issue in the UI of the SBM Cockpit which could lead to a crash of the SM01 transaction in case of very high demand variability % values (CLSSBM-1918)
- Fixed an issue leading to wrong lead time calculation in case of calendars with multiple defined shifts for one day (CLSSBM-1896)

Stock Buffer Monitoring

- N/A

SOFOS - Sequence-optimized Forward Scheduling (SCM)

Important Notes

- N/A

What's New

- **Levelling across different PV's** : additional functionality of levelling across resources in different PV's is created (CLSSOF-5):

Fixed Issues

- N/A

SMB - Setup Matrix Builder (SCM)

Important Notes

- N/A

What's New

- **Enabled display of spaces as thousand separators** in characteristic value matrices (CLSSMB-2070)

Fixed Issues

- **Fixed Setup group integration issue for changing Setup and/or Produce Phase with different Change numbers (within the same validity date)**, the setup phase is now correctly integrated and recognized by SMB. (CLSSMB-2149)
- **Fixed Setup group integration issue for changing relationships assignment with change numbers**, the setup phase is now correctly integrated and recognized by SMB. (CLSSMB-2150)
- **Fixed issue for deletion report setup group mappings (in the SMB tables)** Deletion report was not deleting outdated setup groups from system. SG was changed in SMB, but old SG remained in system and was wrongfully selected in specific events. Provided fix deletes obsolete setup groups and enables correct setup group assignment in PDS. (CLSSMB-1915 and CLSSMB-2142)
- **User and time is now correctly updated when deactivating a resource** the user is now updated in "Assignment changed by" in Resource screen and the date is updated when deactivating a resource (CLSSMB-2071)
- **Characteristic columns are correctly displayed**: This fix is assuring correctly displayed characteristic columns despite setting layout on resource screen (CLSSMB-2065)
- **Setup matrix generation -** General performance improvements (CLSSMB-389)
- **Synchronization of lights in SMB and SMB generation report**: red, yellow, green and Blue/Grey lights are synchronized across SMB generation screen and Generation report (CLSSMB-2074 & CLSSMB-2010)

DRP - Demand Driven Replenishment Planning (ECC)

Important Notes

- The planning on MRP area types “Storage Location” and “Subcontractor” is only supported if the Demand-Driven parameterization tool (e.g., CLS-SBM or IBP) is able to parameterize them accordingly. In case this prerequisite is not fulfilled, those MRP area types are planned with standard MRP procedure instead. The planning of the Plant MRP Area is supported with DDMRP planning.

What’s New

- (1) Planning with MRP Areas is now enabled in the Demand Driven Replenishment Planning solution, including various adjustments in the following transactions (please refer to Important Notes!):
    - Heuristic
    - Monitor
    - Element List

Fixed Issues

- Element list
    - (1) Improvement of navigation in the element list (parameters for material, plant and MRP areas are taken over)
    - (2) Fixed an issue where too many fields of the header were displayed in the period totals screen

DDP - Demand Driven Replenishment Planning (SCM)

Important Notes

- Due to technical changes of the remote functions' import parameters (for the Ignore Order Spike functionality), the following activities must be performed:
    - Recreation of the product location webservice definition /CLS/DDP_PL_FILL in development system (Should always be done in customer namespace)
    - Transport the changed webservice definition to Q and P environment
    - Reload the Webservice in middleware and update the integration flow (e.g., CPI-DS in IBP integration scenario)

What's New

- Heuristic/Monitor
    - (1) Ignore Order Spike functionality is introduced to influence the behavior when requirements are interpreted as an Order Spike (e.g., when the buffer levels turn to 0) by the heuristic. The Ignore Order Spike setting is defined on location product level and needs to be set via the location product webservice. Following changes were applied:
        - Consideration of the ignore order spike setting within the heuristics' processing logic
        - Visibility of the setting in the location product tab in the monitor
        - Adjustment of the location product webservice to integrate the setting from an external system for (aggregated planning) product location parameters (**please refer to Important Notes!**)

Fixed Issues

- Heuristic
    - (1) Fixed an issue where wrong ATP categories were selected for qualified demand, on-hand stock, and open supply
    - (2) Fixed an issue where the execution of the Rhythm Wheel Heuristic leads into a dump when loading DDMRP product information
- Cockpit
    - (3) Fixed an issue where in some cases a database table was not updated correctly after applying changes and saving
- Aggregated Planning Group View
    - (4) Fixed an issue where the buffer levels were not correctly assigned to the receipt and requirement dates
- Miscellaneous
    - (5) Performance improvement for the deletion report of ATP Category of Orders for CIF integration

DDS - Demand Driven Scheduling (SCM)

Important Notes

- DDS transaction codes and names have been adapted to adhere to general CLS standards

Old transaction code	New transaction code	New transaction name
/CLS/DDS_BUFFERDEF	/CLS/DDS_DEF01	DDS Parameter Cockpit
/CLS/DDS11	/CLS/DDS_DEF02	DDS Reason Code Definition
/CLS/DDS_TBREPORT	/CLS/DDS_REP01	DDS Time Buffer Reporting
/CLS/DDS_CBREPORT	/CLS/DDS_REP02	DDS Capacity Buffer Reporting

What's New

- Parameter Cockpit
  - Selection and parameterization screen are integrated into a consolidated view to enable the flexible definition and adjustment of the relevant products and/or resources
  - Buffer zone sizes (ToG, ToY, ToR values) for time buffers can be maintained individually (enhancing the existing distribution of the total time buffer duration into thirds)
  - Manual time and capacity buffer definitions are checked for the consistency of the maintained values
  - The F4 help functionality has been enhanced to take selection criteria into account, that have already been set when defining the product or resource scope
- DDS scheduling heuristic
  - The scheduling logic for push orders has been implemented to support due date-driven scheduling under consideration of flexible scheduling bucket definitions
- DDS scheduling heuristic log
  - The scheduling heuristic has been extended by a log functionality that provides detailed information on the scheduling results per selected heuristic run
- Time Buffer Reporting
  - Pegged upstream receipt elements that are procured are highlighted as "purchased"
- Capacity Buffer Reporting
  - The table view is extended by a graphical visualization of the resource capacity load and the related capacity buffer penetration
- Stock buffer order reporting
  - The order-based DDS stock buffer status is displayed for all pull elements in the product view (/SAPAPO/RRP3) and the receipts view (/SAPAPO/RRP4)
- Reason code maintenance
  - Reason codes can be maintained in the product view (/SAPAPO/RRP3), receipts view (/SAPAPO/RRP4) and the DDS Time Buffer Reporting (/CLS/DDS_REP01)

Fixed Issues

- Time buffer definitions are considered by scheduling activities when the production process is modeled using recipes
- Time buffer reporting can be used for time buffers between operations of the same order and time buffers between different pegged elements