

MECANO - Operation

- General presentation
 - Objective of the application
 - Dataflow overview
 - Functional and Technical rules on Workbench + Reporting
 - Rules & Explanations
 - KPI 2.08 Available capacity (K_CAPAV2)

General presentation

Objective of the application

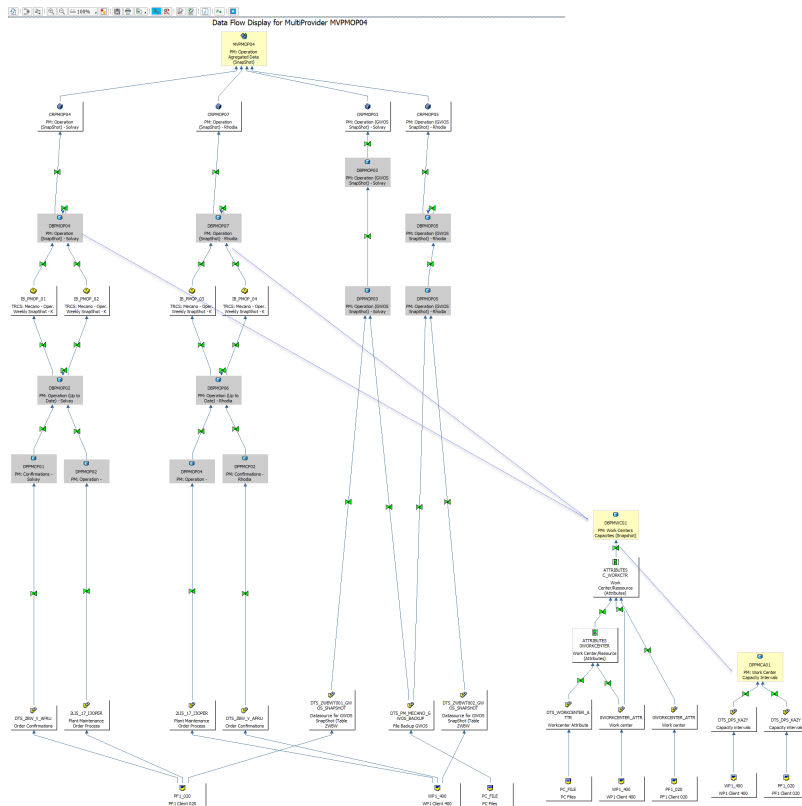
There are many KPI based on operation flow. To keep the number of hour for each operation

MVPMOP01 = PM: PM: Operation Detailed Data (Up to Date)

MVPMOP02 = PM: Operation Detailed Data (SnapShot), wich based on business layer(DSO)

MVPMOP04 = PM: Operation Agregated Data (SnapShot), which based on reporting layer (Cube)

Dataflow overview



Functional and Technical rules on Workbench + Reporting

Rules & Explanations

KPI 2.08 Available capacity (K_CAPAV2)

Tcode: IR03 to see capacity of a work center. It can be standard or shift .

Display Work Center Capacity: Header

Intervals and Shifts Intervals Available Capacity Profile Reference Available Capacity Short Texts HRMS APO Resource

Plant CZS SSSP-CN /CHANGSHU SXIS
 Work center ME_MAINT CHANGSHU SITE MECHANICAL MAINTENANCE
 Capacity category 002

General data
 Capacity planner grp A Planner group A
☐ Pooled capacity Grouping CZ

Available capacity
 Factory calendar ID CN Factory calendar China Standard
 Active version 1 Version 1 (default)
 Base unit of meas. H Hour

Standard available capacity
 Start 08:30:00 Capacity utilization 100
 Finish 16:30:00 No. of indiv. cap. 7
 Length of breaks 02:00:00
 Operating time 6.00 Capacity 42.00

Planning details
☒ Relevant to finite scheduling Overload 100 %
☐ Can be used by several operations ☒ Long-term planning

Display Factory Calendar: Details
 Special rules Calendar
 Factory Calendar ID CN Factory calendar China Standard
 Valid From Year 1996 To Year 2025
 Holiday Calendar ID CN Holiday calendar China
 Special Rules exists
 Factory Date Start 0
 Workdays
☒ Monday
☒ Tuesday
☒ Wednesday
☒ Thursday
☒ Friday
☐ Saturday
☐ Sunday
☐ Public Holiday

$v_standard_capacity = /bic/mc_workctr-k_capav = \text{working day from factory cal} * \text{std capacity} = 5 * 42 = 210$

1.2 Shift operation When standard flag KKOPF <> X:

in case of capacity of this work center during 29 Mar 2019 - 11 Apr 2019, in the work center capacity we take the capacity of the interval and shift from **DP PMCA01**

Capacity / day = operating time x number = 6.5 x 5 (this case each day have operating time and number are the same) = 32.5 hours

Capacity / week = 32.5 x 5 = 162.5

On BW, we will get shift detail on **datasource DTS_DPS_KAZY**

$V_opening_time = \text{Finish}(\text{TC37A-ENDZT}) - \text{start}(\text{TC37A-BEGZT}) - \text{Break}(\text{TC37P-PADAUER})$

= (7*3600 + 20*60) - 3600 (convert to second)

= 26400 - 3600

= 22800 = (TC37A-EINZT)

Capacity (KAPAZ) = $V_opening_time * \text{No} (\text{KAPA-ANZHL}) / \text{Cap} (\text{KAPA-NGRAD}) / 100$

= $22800 * 7 / (100 / 100)$

= 159600

KAPTPROG Shift definition = KAPA-TPROG

ENDDA End Date

BEGDA Start Date

BEGZT Start time

ENDZT Finish time

EINZT Operating time in seconds (internal)

TC37P (Break schedule)

PAUBEG Start Time

PAUEND End Time

PADAUER Length of break in seconds (internal)