RCS QM KPI

Below are the definitions for the QM (Quality Management - Quality Control) Key Performance Indicators from the BW "RCS QM KPI" workbook.

QM Lot Long Term with no UD

Indicator	QM Lot Long Term with no UD
Stream	Indus - QM
Process / Sub-process	Quality
Target	0 %
Expected Evolution	

Definition

This indicator is providing the percentage of inspection lots that have been waiting for long term results for more than a month.

Good practice

The number of inspection lot with open long term characreristics should be kept as minimal as possible.

Calculation

For each of the last 6 months, the program will extract inspection lots for which usage decision was taken the previous month and will search thoses ones that have still long term characteristics waiting for results entry.

The list of inspection lots for month n will be extracted from table QALS with criteria (month of QALS-ENSTEHDAT=n-1) and (QALS-STAT35=”X”.).
The program will then look for those ones that have long term characteristics: search criteria in QAMV is: at list one record has 8th digit of field QAMV-STEUERKZ="X". Tables QALS and QAMV are joined with field PRUEFLOS.
Then it will search those lots that have either status long term (Table JEST with criteria (JEST-STAT=I0204) and JEST-INACT=””). Tables QALS and JEST are joined via field OBJNR, or those ones for which last result entry in QAMR or QASR has got most recent date (field ERSTELLDAT) higher than QAVE-VDATUM by a month. Tables QALS, QAMR, QASR and QAVE are joined via PRUEFLOS.

QM lot with incorrect valuation

Indicator	QM Lot with incorrect valuation
Stream	Indus - QM
Process / Sub-process	Quality
Target	0 %
Expected Evolution	

Definition

This indicator is providing the percentage of inspection lots with completed Usage Decison and remaining incorrect results status

Good practice

The number of incorrect results with incorrect status should be kept as minimal.

Calculation

For each of the last 6 months (QALS-ENSTEHDAT), the programm will search for inspection lots with usage decision. Then the program will search for those ones for which one result at list has got invalid staus.

The list of inspection lots for month n for which Usage decision has been made is extracted from table QALS with criteria "month of QALS-ENSTEHDAT=n" and QALS-STAT35="X". Then the program will search in tables QAMR and QASR those ones for which at least one result has QAMR-SATZSATUS or QASR-SATZSTATUS=3 .

Tables QAMR and QASR are joined with QALS via PRUEFLOS

Average delay for UD

Indicator	QM Lot with incorrect valuation
Stream	Indus - QM
Process / Sub-process	Quality
Target	Close to 0 %
Expected Evolution	
Comparaison between entities	Coherent

Definition

This indicator is providing the average time elapsed between completion of inspection and Usage Decision

Good practice

This average time should be kept as minimal as possible.

Calculation

For each of the last 6 months , the program will search for inspection lot for which Usage decision was made. Then the program will calculate the time elapsed between the last result entry and the time usage decision was made.

The list of inspection lots for month n that have been subject to a usage decision is extracted from table QAVE with criteria month of QAVE-VDATUM=n. Then the program will search in tables QAMR and QASR for most recent result (field ERSTELLDAT). The indicator will be the average value of QAVE-VDATUM - ERSTELLDAT

Tables QAVE, QAMR and QASR are joined with field PRUEFLOS

QM lots waiting for UD

Indicator	QM Lot waiting for UD
Stream	Indus - QM
Process / Sub-process	Quality
Target	Close to 0 %
Expected Evolution	
Comparaison between entities	Coherent

Definition

This indicator is providing the percentage of inspection lots for which usage decision has not been made within a month.

Good practice

This indicators should be kept as minimal.

Calculation

For each of the last 6 months the program will look for inspection lot that have been created the previous month, then the program will search those ones waiting for usage decision (The list of inspection lots for month n is to be extracted from table QALS and criteria (Month of QALS-ENSTEHDAT=n-1) .Then add lots will be retrieved with criteria QALS-ENSTEHDAT-QAVE-VDATUM ->-30.

Tables QALS and QAVE are joined via field PRUEFLOS

Automatically created 89 QM lot

Indicator	Automatically created 89 QM lot
Stream	Indus - QM
Process / Sub-process	Quality
Target	100 %
Expected Evolution	
Comparaison between entities	Not Coherent

Definition

Good practice

This indicator is providing the percentage of inspection lots that have been created automatically.

The number of inspection lots that have been created manually should be kept as minimal. Manual creation is prone to errors. Subsequently, automatic creation should considered as often as possible.

Comparaison between entities

Consistency should be sought between plants with similar business, preferably within the same entreprise.

Calculation

For each of the last 6 months the program will look for inspection lots that have been created, then the program will search those ones that have been created by way of program.

The list of inspection lots for month n is to be extracted from table QALS with criteria (Month of QALS-ENSTEHDAT=n) and QALS-HERKUNFT=89.
The list of automatically created inspection lots will be retrievd with criteria QALS-ERSTELLER=OPSCHEDULE.

Canceled QM lots

Indicator	Canceled QM lots
Stream	Indus - QM
Process / Sub-process	Quality
Target	0 %
Expected Evolution	
Comparaison between entities	Coherent

Definition

This indicator is providing the percentage of inspection lots that are cancelled for each of the last 6 months.

Good practice

The number of cancelled lot should be kept as minimal as possible

Calculation

For each of the last 6 months the program will look for inspection lots that have been created. Then the program will search those ones that have been cancelled during the same month.

The list of inspection lots for month n is to be extracted from table QALS and criteria (Month of QALS-ENSTEHDAT=n).
The list of canceled lot will be found in table JEST with following criteria:
JEST-STAT= I0224
JEST-INACT=""
Additional criteria: last change date (field QALS-AENDERDAT)=n.
Tables QALS and JEST are joined via field OBJNR