

Public



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How to monitor and maintain a running F&R system



Data input

"Much like a communal kitchen, master data management is not a question of cleaning up once and then you're done." procurement.world

Data source: https://www.pool4tool.com

Proactive vs. Reactive

Business drives master data!

The master data quality needed for SAP F&R
The different data models between SAP ERP
for Retail and SAP F&R
The need of ongoing quality check to ensure
the expected results in SAP F&R

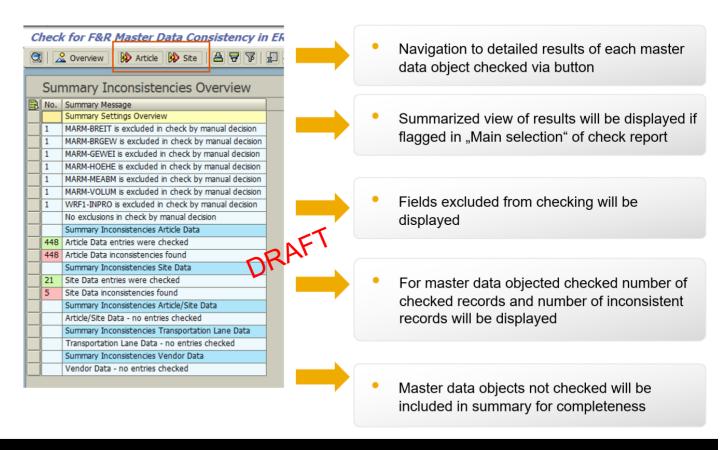
A standardized check process

A guaranteed master data quality

As a preparation for go –live

As an ongoing process

Reusable



Proactive vs. Reactive



Measure and monitor the quality of master data

Proactive vs. Reactive

Input Process Master Data

FRE C5 - Reorganization F&R Control Tables

A FRE C1 - Check Master Data

FRE C2 - Check Supply Net Data

A FRE C6 - Check Sales Order Data

Input Process Transactional Data

RE C3 - Check Layout Module and stock related parameters

FRE C4 - Check Purchase Order/Order Proposal Data

RE UI - User Interface for Messages after Transfer of Data to SAP F&R

new article

> new store

changed consumption

stock

promotion

data

- RP type
- Listing
- Min./Max. stock

✓ Monitor in ERP System

- Like item
- Lead time
- Source of Supply
- .



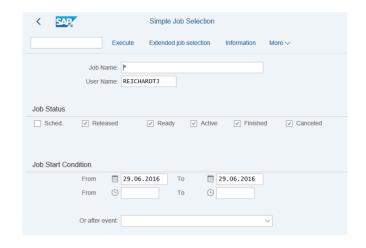


From a technical point of view

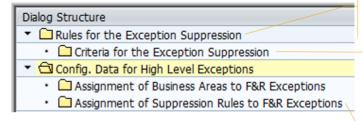


Who... When... What...

- Job monitoring
- Interface Workbench
- Exception Workbench
 - Exception configuration
 - Less is more







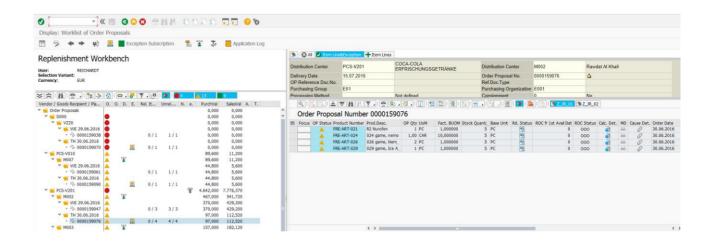
Copy FRP environment

e.g. retention period seven days

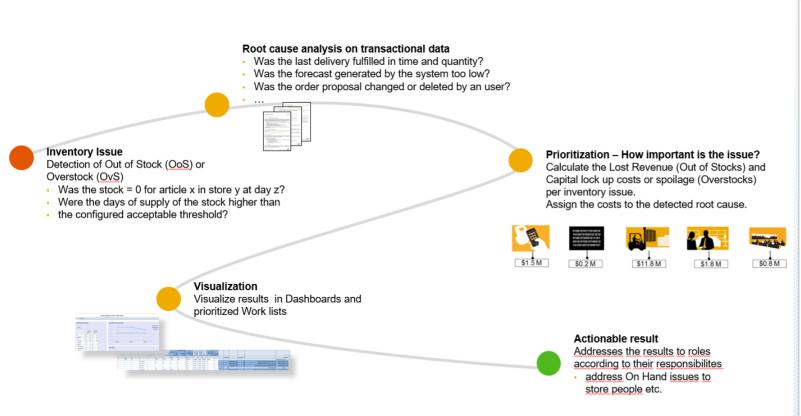
Fall back strategy



- System available but FRP not running
 - Copy existing OP
- System not available at all
 - Use Order Forecast
 - Create PO directly in ECC
- ..

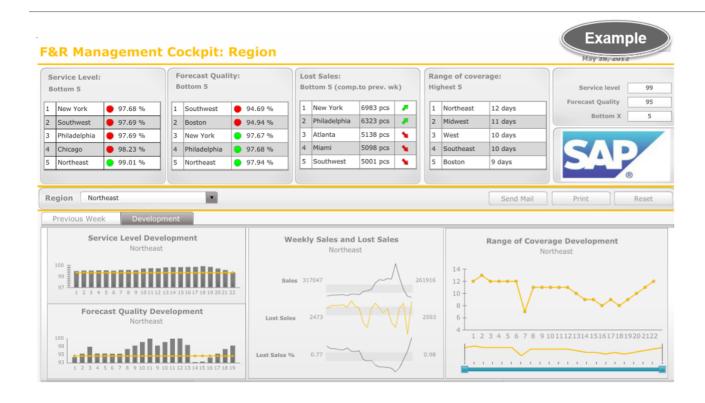


Tools and Services - IDR



Out of Stock Ov	er Stock	Benchmark		
Lost Sales by	Root C	auses		
Show by Repl. Ty	pe F	rioritization Orde	г	
	%	Primary OOS Contribution	%	Secondary OOS Contribution
		CAD		CAD
Total	100.0	2,991	100.0	2,899
Supplier Reliabilit	ty 6.5	194	3.4	100
☐ Stores	18.8	562	32.2	934
OH Accurac	cy 18.8	562	32.2	934
OP Change	s 0.0) 0	0.0	0
☐ Central Team	7.2	2 215	19.6	567
Low Foreca by User	o.0	0	0.0	0
Master Data	a C 0.0) (0.0	0
Promotion	7.2	2 215	19.6	567
∃ System	50.9	1,521	27.6	799
Low Foreca by System	21.4	639	14.3	415
Tolerated O	0.0) (0.0	0
OP Suppres	ssi 29.5	882	13.2	384
Unidentified	16.7	499	17.2	499

Tools and Services – F&R content BW



Automation of the Implementation History of manual Order Proposal Changes

Fulfillment & Inventories Out of Stocks and Lost Sales

Fulfillment & Inventories Overstocks

Automation of the Implementation Order Proposal Level of Automation

Quality of the Implementation



- t = Historical Period
- n = Maximum number of periods
- x_t = Actual demand (by period)
- v. = Forecasted demand (by period)

$$MAPE = \frac{100}{n} \sum_{t=1}^{n} \frac{x_t - y_t}{x_t}$$

- t = Historical Period
- n = Maximum number of periods
- x₄ = Actual demand (by period)
- v. = Forecasted demand (by period)

WMAPE =
$$100 \frac{\sum_{t=1}^{n} |x_t - y_t|}{\sum_{t=1}^{n} x_t}$$

- t = Historical Period
- n = Maximum number of periods
- x_t = Actual demand (by period)
- y_t = Forecasted demand (by period)

Mean Forecast Error or Rias

- Mean error on forecast vs. sales values
- Positive and negative deviations cancel each other
- Large positive and negative values indicates systematic
- Available without unit of measure to evaluate a group of products

Mean Absolute Percentage Error

- Mean of the single % deviations of all periods
- Positive and negative deviations do not cancel out

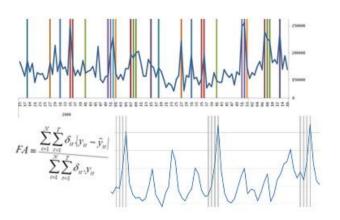
Weighted Mean Absolute Percentage Error

- Sum of single deviations of all periods in relation to the sum of all historical sales values of all periods
- · Positive and negative deviations do not cancel out
- · Gives more weight to lower % deviations on relatively high absolute numbers than to higher % deviations on relatively low
- No overestimation with little actual values, high errors on low actual level are hidden if items with high and low level are

Tools and Services – Consulting

The **modeling** of location DIFs, like Christmas, Easter and summer holidays is **essential** for optimal orders!

F&R Parameter Optimization



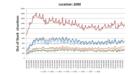
Location DIF (Demand Influencing Factor) optimization

Sequential steps of the analysis

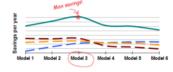
- (1) Run SAP F&R processor with real historical data for 3-6 months for every day
- (2) Vary parameter settings (ABC) and master data and calculate KPIs of the different scenarios







(3) Compare KPIs and calculate economical potential of the different settings



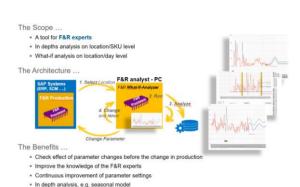
- (4) Extrapolate the cost optimal setting to the entire company
- (5) Transfer parameter settings to QA system and production



CW 50 CW 51 CW 52 CW 53/01

Mo Tu We Th Fr Sa Su Mo

What-If-Analyzer



H004837880H0W488CV800H0W4837880H0W488CH0W488CH0W488CH0W488CH0W



Thank you

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