

IMEP - PF1 Check of data consistency



The aim of this workbook is to validate the quality of the data reported in imep for the sites in PF1.

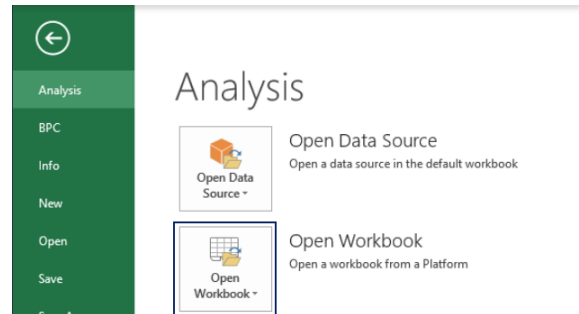
It can be used when you start working with iMEP queries and confirm that there is no specificity in your production site / GBU that is not taken into account in the imep program.

Access the workbook

The workbook to be used is **BW_WBK_CO_0024 - BW - IMEP - PF1 Check of data consistency (Core Workbook)**

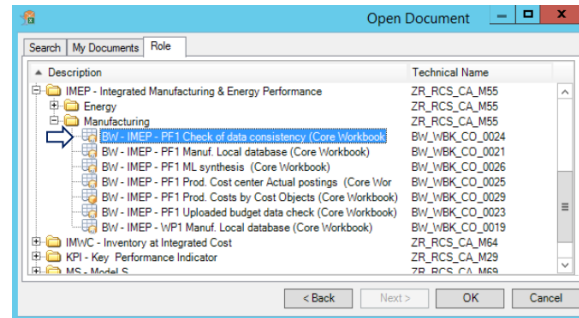
=> Go to Analysis for Office in excel

=> Click "Open Data Source"



Go to the tab "Role" and open the folder IMEP - Integrated Manufacturing & Energy Performance => Manufacturing

Double-click on the workbook **BW_WBK_CO_0024 - BW - IMEP - PF1 Check of data consistency (Core Workbook)** to open it



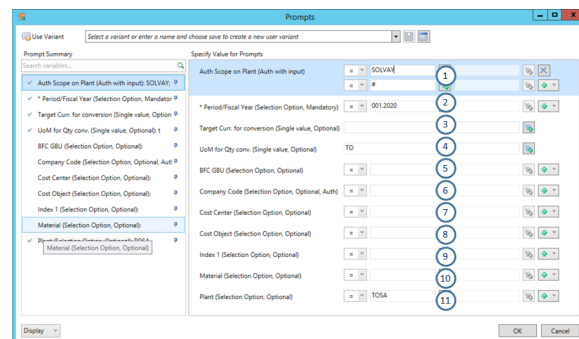
Open the workbook

It is mandatory to enter the period (2) : MMM.YYYY

It is also recommended to enter at least a company code (6) or a plant code (11)

It is also possible to enter:

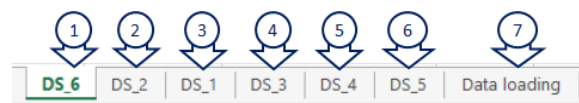
- a target currency (3) however it is recommended to perform the test with the local currency
- a Unit of Measure for the quantity conversion (ex: TO for Tons) (4)
- a GBU (5)
- a Cost object (8)
- an [Index 1](#) (9)
- a material code (10)



Click "OK"

The workbook in detail

There are 7 sheets in the workbook:



1. DS_6

The aim of the report iMEP is to provide a detail of actual production costs by material/plant. In PF1, the actual production costs by material is calculated with Material Ledger and the total by material/plant can be displayed with the transaction [CKM3 - Material Price Analysis](#).

IMEP Index1-1 Mat. Ledger Costs vs ML Production costs									
Source Syst.	CO Area	Cost Object	Plant	Material		Mat. Ledger Costs	ML Prod. Costs		
PF1_020	CHEF	ST3200020	TOSA	103832	LIVESTONE OF QUARRY	372,188.76	372,188.76		
PF1_020	CHEF	ST3200050	TOSA	103831	1 TONE TO BE CONSUMED	59.38	59.38		
PF1_020	CHEF	ST3240920	TOSA	103829	1 TONE VIERGE	62.04	62.04		
PF1_020	CHEF	ST3240220	TOSA	103879	SE	8,025.45	8,025.45		
PF1_020	CHEF	ST3240220	TOSA	103095	SE	816,011.88	816,011.88		

The purpose of the control (DS_6) is to compare the calculation done by Material Ledger (3) and the one done in iMEP (2) material code by material code (1)

Ex: The actual production costs calculated with Material Ledger (3) gives the same result as iMEP (2). It confirms that the report iMEP is accurate.

 (2) = (3)

=> In case of discrepancies, a ticket should be created to get the support of the IS team

2. DS_2

Produced quantity (2) should be equal to Actual quantity (3)

 (1) = (2) - (3)

=> In case of discrepancies, a ticket should be created to get the support of the IS team

Material	030355	SE
Plant	TOSA	SLVQ-ES / TORRELAVEGA (50D)
Curr./Valuation	Company code currency	EUR
Value	Actual Value	Level + Lower Level Fixed + Variable
View	Cost Components	Main Cost Component Split
Prices and Inventory Values		
Category	Quantity	Unit
> Beginning Inventory	0,000 KG	0,01
> Receipts	128.190.155,000 KG	816.011,89
> Cumulative Inventory	128.190.155,000 KG	816.011,89
> Consumption	128.190.155,000 KG	816.011,89
> Ending Inventory	0,000 KG	0,00

Produced Qty vs Actual Qty (Index1-1)									
Source Sgst.	CD Area	Cost Object	Plant	Material	Check Prod Qty vs Actual Qty	Produced Qty	Actual Qty	TO	TO
PF1_020	CHEF	ST3200020	TOSA	030332	LIMESTONE OF QUARRY	-89,809	-89,809		
		ST3200020	TOSA	030331	LIMESTONE TO BE CONSUMED	-80,071	-80,071		
		ST3240020	TOSA	030329	SAUMURE VERGE	25,477	25,477		
		ST3240020	TOSA	030379	SE	25,444	25,444		
		ST3240090	TOSA	030355	SE	-4,025	-4,025		
				67583	SL CS1250 4SMVSH	-1,225	-1,225		
				67580	SL S25 IPE P1250QHT H	-423	-423		
				179494	SL CS1250 4SMVSH PQHT	-1,529	-1,529		
				200999	SL S25 IMPT-CPE BS1250	-71,955	-71,955		
		ST3240020	TOSA	11851	SL	-80,339	-80,339		
		ST3240090	TOSA	67742	SD CS1250 4SMVSH	-551	-551		
				60853	SD CS1250 4SMVSH PHHT	-309	-309		
				67591	SD S25 IPE P1250QHT H	-48,002	-48,002		
				67594	SD S25 IPE PH00PQHT H	-4,830	-4,830		
		ST3240020	TOSA	31972	SRA essore -A T				

3. DS_1

The aim of this control is to ensure that the total productions costs (2) calculated by iMEP is equal to variable costs (3) + fixed costs (4) + depreciation (5).

 (1) = (2) - ((3) + (4) + (5))

=> In case of discrepancies, a ticket should be created to get the support of the IS team

Mat. Ledger Costs vs ML VC + ML FX + ML DP									
Cost Object	Plant	Material	Check Total vs VC+FX+DP	Mat. Ledger Cost	ML VC	ML FX	ML DP	EUR	EUR
ST3200020	TOSA	030332	LIMESTONE OF QUARRY	372,181.76	372,181.76	218,613.82	42,066.43		
ST3200020	TOSA	030331	LIMESTONE TO BE CONSUMED	84,830.51	84,830.51	25,999	8,810		
ST3240020	TOSA	030329	SAUMURE VERGE	25,477.00	25,477.00	25,477.00	25,477.00		
ST3240020	TOSA	030379	SE	25,444.00	25,444.00	25,444.00	25,444.00		
ST3240090	TOSA	030355	SE	4,025.00	4,025.00	4,025.00	4,025.00		
		67583	SL CS1250 4SMVSH	-1,225.00	-1,225.00	-1,225.00	-1,225.00		
		67580	SL S25 IPE P1250QHT H	-423.00	-423.00	-423.00	-423.00		
		179494	SL CS1250 4SMVSH PQHT	-1,529.00	-1,529.00	-1,529.00	-1,529.00		
		200999	SL S25 IMPT-CPE BS1250	-71,955.00	-71,955.00	-71,955.00	-71,955.00		
ST3240020	TOSA	11851	SL	80,339.00	80,339.00	80,339.00	80,339.00		
ST3240090	TOSA	67742	SD CS1250 4SMVSH	551.00	551.00	551.00	551.00		
		60853	SD CS1250 4SMVSH PHHT	309.00	309.00	309.00	309.00		
ST3240020	TOSA	31972	SRA essore -A T						

4. DS_3

The aim of this control is to ensure that the total productions costs (Index 1 = 1 & 2) (2)(3) calculated by iMEP is equal to the sum of Raw materials (Index 1 = 3) (4) and activities (Index 1 = 5 & 7) (5)(6) costs.

 (1) = (2) - ((3) + (4) + (5) + (6))

=> In case of discrepancies, a ticket should be created to get the support of the IS team

Index1-1 vs Index1-3 + Index1-5 + Index1-7									
Material	Check Index1-1 vs Index1-3 + Index1-5 + Index1-7	Mat. Ledger Costs Index1	Mat. Ledger Costs Index2	Mat. Ledger Costs Index3	Mat. Ledger Costs Index5	Mat. Ledger Costs Index7	EUR	EUR	EUR
030332	LIMESTONE OF QUARRY	372,181.76	372,181.76	372,181.76	372,181.76	372,181.76			
030331	LIMESTONE TO BE CONSUMED	84,830.51	84,830.51	84,830.51	84,830.51	84,830.51			
030329	SAUMURE VERGE	25,477.00	25,477.00	25,477.00	25,477.00	25,477.00			
030379	SE	25,444.00	25,444.00	25,444.00	25,444.00	25,444.00			
030355	SE	4,025.00	4,025.00	4,025.00	4,025.00	4,025.00			
67583	SL CS1250 4SMVSH	-1,225.00	-1,225.00	-1,225.00	-1,225.00	-1,225.00			
67580	SL S25 IPE P1250QHT H	-423.00	-423.00	-423.00	-423.00	-423.00			
179494	SL CS1250 4SMVSH PQHT	-1,529.00	-1,529.00	-1,529.00	-1,529.00	-1,529.00			
200999	SL S25 IMPT-CPE BS1250	-71,955.00	-71,955.00	-71,955.00	-71,955.00	-71,955.00			
11851	SL	80,339.00	80,339.00	80,339.00	80,339.00	80,339.00			
67742	SD CS1250 4SMVSH	551.00	551.00	551.00	551.00	551.00			
60853	SD CS1250 4SMVSH PHHT	309.00	309.00	309.00	309.00	309.00			
67591	SD S25 IPE P1250QHT H	48,002.00	48,002.00	48,002.00	48,002.00	48,002.00			
67594	SD S25 IPE PH00PQHT H	4,830.00	4,830.00	4,830.00	4,830.00	4,830.00			
31972	SRA essore -A T								

5. DS_4

The aim of this control is to ensure that the total activities costs (Index 1 = 5 & 7) (1)(2) calculated by iMEP is equal to the production costs recorded in a cost center (Index 1 = 9) (4)

 (3) = ((1) + (2)) - (4)

=> The control is only true when a production cost center is dedicated to the production of a single material.
In the case of multi-materials cost centers, it is not possible to report the index 1 = 9 per material and therefore the control does not work.

Index1-5 vs Index1-9				
Material	Mat. Ledger Costs Index5	Mat. Ledger Costs Index7	Check Index1-5 vs Index1-9	Mat. Ledger Costs Index9
030332	LIMESTONE OF QUARRY	372,181.76	372,181.76	372,181.76
030331	LIMESTONE TO BE CONSUMED	84,830.51	84,830.51	84,830.51
030329	SAUMURE VERGE	25,477.00	25,477.00	25,477.00
030379	SE	25,444.00	25,444.00	25,444.00
030355	SE	4,025.00	4,025.00	4,025.00
67583	SL CS1250 4SMVSH	-1,225.00	-1,225.00	-1,225.00
67580	SL S25 IPE P1250QHT H	-423.00	-423.00	-423.00
179494	SL CS1250 4SMVSH PQHT	-1,529.00	-1,529.00	-1,529.00
200999	SL S25 IMPT-CPE BS1250	-71,955.00	-71,955.00	-71,955.00
11851	SL	80,339.00	80,339.00	80,339.00
67742	SD CS1250 4SMVSH	551.00	551.00	551.00
60853	SD CS1250 4SMVSH PHHT	309.00	309.00	309.00
67591	SD S25 IPE P1250QHT H	48,002.00	48,002.00	48,002.00
67594	SD S25 IPE PH00PQHT H	4,830.00	4,830.00	4,830.00
31972	SRA essore -A T			

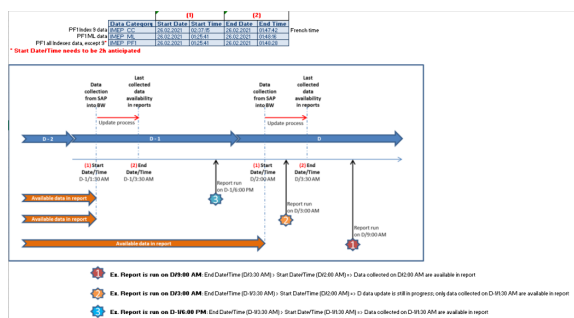
6. DS_5

TO BE COMPLETED

CE groups vs ML VC/FX/DP (Index1=5/7/9)						
Plant	Material		ML VC	ML FX	ML DP	
			EUR	EUR	EUR	
TOSA	103932	LIMESTONE OF QUARRY	98,438.51	231,613.82	42,066.43	
TOSA	103931	LIMESTONE TO BE CONSUMED	125,148.53	30,455.99	2,936.10	
TOSA	103929	SAUMURE VIERGE	85,643.40	259,046.24	125,466.42	
TOSA	103055	SE	89.91	7.24	96	
TOSA	#	PF1_020/#	0.20	79	84	
	157853	SL CS1250 4SMVSH	-0.01	-0.01		
	163590	SL S25 IPE P1250QIHT H	-0.01			
	179494	SL CS1250 4SMVSH PQIHT	-0.01	0.01	0.01	
	200999	SL S25 IMPT-CPE /BS1250	0.02		-0.01	
TOSA	31851	SL	1,365,531.43	2,171,179.20	739,002.08	
TOSA	#	PF1_020/#	1,514.37	19,625.46	1,113.95	
	163591	SD S25 IPE P1225QIHT H	-0.01	-0.01		
TOSA	30156	SD	130,533.93	254,248.49	39,793.63	
TOSA	31972	SRA essore +A *T	30,094.30	85,300.99	5,127.30	

7. Data loading

In this sheet you can find some information regarding the loading of data in iMEP



Going further with iMEP

- [IMEP - Characteristics](#) — List of Characteristics & Measures available in the BW application iMEP with the link to more detailed documentation when it exists.
- [IMEP - Index 1](#) — In the application iMEP, the characteristic Index 1 is a key element to understand to set-up an accurate report to follow production quantities and costs.
- [IMEP - PF1 Manuf. Local database](#) — This workbook gives a transversal and consolidated view of manufacturing costs (from sites to GBU level) for all plants managed in PF1.
- [IMEP - WP1 Manuf. Local database](#) — This workbook gives a transversal and consolidated view of manufacturing costs (from sites to GBU level) for all plants managed in WP1.
- [IMEP - PF1 Check of data consistency](#) — The aim of this workbook is to validate the quality of the data reported in iMEP for the sites in PF1.
- [IMEP - PF1 ML synthesis](#) — This report answers a specific need of GBUs operating in PF1 who wants to better understand the impact of the stock effects in their P&L. It can be used as the report Z1K_CONS_ESTO in PF1 but for a wider scope.