

IMEP - Index 1

[[Definition](#)] [[Example PF1](#)] [[Example WP1](#)]



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.

Definition

For historical reasons, the data structure is not the same in our two source systems (WP1 & PF1). It explains why some indexes only exist in one of the two ERPs.

Code	Description	Definition	WP1	PF1
1	Produced material	Costs and quantities at finished product level	✓	✓
2	Co-product	Co-product	✓	✓
3	BOM component	Costs and quantities issued from component consumption	✓	✓
4	Subcontracting	Subcontracting costs	✓	✓
5	Activity type	Costs and quantities issued from activity consumption at standard costs	✓	✓
6	Settlement	Process Orders variances	✓	✗
7	Cost Collector Varia	Allocation of activity variances done by Material Ledger	✗	✓
9	SKF/direct Posting	Detailed origin of costs consumed on production cost centers by Activities	✗	✓

Example PF1

The aim is to have the detailed quantities and costs of production of the material 157142 in iMEP

There are 4 columns in the report:

1. Finished product code:
2. Index 1
3. Actual quantities
4. Mat. Ledger Costs = Actual costs

		Index 1		Actual Qty	Mat. Ledger Costs
Material					EUR
157142	SD CS1250 4SMVSH	a	1	Produced material	-70,000 KG -6,840
		b	3	BOM component	206,000 KG 2,650
		c	5	Activity type	4,440
		d	7	Cost Collector Varia	-250
		e	9	SKF/direct Posting	4,190

The detail of costs & quantities is:

	Index 1	
a	1 - Produced material	70 000 KG of the finished product 157142 SD are produced and the total production cost is 6 840 €
b	3 - BOM component	206 000 KG of Raw Materials are used for the production of the finished product with a total cost of 2 650 €
c	5 - Activity type	The cost of activities used for the production is 4 440 €. It is based on the estimated costs of activities
d	7 - Cost Collector Varia	It is the difference between the standard cost of activities and actual costs (=4 190 € - 4 440 €)
e	9 - SKF/direct Posting	It is the detail of activity costs

- The cost of production (a) = cost of raw materials (b) + cost of activities (standard (c) & variance(d)) = 6 840 € = 2 650 € + 4 440 € - 250 €
- Index 1 = 9 (e) is the detail of activity costs. It is equal to Index 1 = 5 (c) and Index 1 = 7 (d) => 4 440 € - 250 € = 4 190 €



Control data accuracy

The workbook BW_WBK_CO_0024 is used to perform some consistency checks.

Example WP1

The aim is to have the detailed quantities and costs of production of the material 157142 in iMEP

There are 4 columns in the report:

1. Finished product code:
2. Index 1
3. Actual quantities
4. Actual Costs

				Actual Qty	Actual Costs
Material		Index 1			EUR
81016	SOD SILICAT	a	1	Produced material	-35,000 TO -2,700,000.00
		b	3	BOM component	10,500 TO 2,300,000.00
		c	5	Activity type	350,000.00
		d	6	Settlement	50,000

The detail of costs & quantities is:

	Index 1	
a	1 - Produced material	35 000 TO of the finished product 81016 SOD are produced and the total production cost is 2 700 k€
b	3 - BOM component	10 500 TO of Raw Materials are used for the production of the finished product with a total cost of 2 300 k€
c	5 - Activity type	The cost of activities used for the production is 350 k€.
d	6 - Settlement	It is the production variance. The amount is settled to the P&L to the value field D05/E05/F05

- The cost of production (a) = cost of raw materials (b) + cost of activities (c) + variance (d) = 2 700 k€ = 2 300 k€ + 350 € + 50 k€

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.