

# Transport > Costs & Volumes

## General Description

We decided to put in the same KPI the cost & the volume data in order to have the quick visibility between the quantities shipped and their cost.

We use the accrual information for the cost that bring a deeper granularity compare to invoice information. That's why we also provide a new KPI to measure the accrual accuracy versus the invoices.

The costs are divided in standard and extra cost, depending on the inputs the GBU done in SAP.

**\*Attention - Note that Volumes are multiplied by each leg and divided by the total costs, which makes the Unit Prices erroneous when looking at flows with several legs.**

### KPI:

Standard Costs & [Extra Costs](#)

Transport Costs Accruals Accuracy & Accruals & Invoiced

Net Weight & Gross Weight

Number of Shipments & Number of Containers & Total KM

Net Weight Unit Costs = Standard Costs + Extra Costs / Net Weight

Costs per KM = Standard Costs + Extra Costs / Total KM

- [Transport Mode](#): Main one of the shipment file
- [Multicontainers \(9024/9025\)](#): because of the SAP structure, containers are counted twice if we don't filter on the Shipment Type. To correct this issue, we delete the Shipment Type "Approach Multi Cont." and we keep "Sea Export (multi)".

### Shipment file

The Activity is calculated for each and every one shipment file present in TIERS. (Inbound and Outbound)

TIERS: Number of single shipment files (shipment operation assigned to one Forwarding Agent) Thus, it depends on each GBU process.

- [Net Value Accrual CP](#): Net Costs in provisions in EUR or USD

### Provisioning Costs

The transportation costs are not the invoiced one. We can only have the product level with the accruals values.

- EUR / USD

The conversion from a local currency to EUR or USD is based on the exchange rate managed by Finance. For each cost, the rate considered is the one of its *reference month*.\*

\* *The reference month of a transportation cost is :*

- *the actual completion month*
- *the planned completion month if the actual completion month is not available*
- *the shipment creation date if the planned completion month is also not available*

**USD inaccuracy**

For USD, we don't have all the exchange rates because it's not the official currency at Solvay (EUR).

So for the following countries: Argentina, Bulgaria, Egypt, Mexico, New Zealand and Switzerland, when selecting USD, the unit will not be USD but the local currency.

**Shipment file**

The Transportation Costs are calculated for each and every one of the shipment files present in TIERS. (Inbound and Outbound)

TIERS: Number of single shipment files (shipment operation assigned to one Forwarding Agent) Thus, it depends on each GBU process.v

**Technical Documentation****Source:**

TIERS		Query filters applied:
Standard & Extra costs, Net Weight and Gross Weight,  Standard Costs Manual accrual (CP)	QVSCE_BW_QRY_MVS DTR01_0010	<ul style="list-style-type: none"> <li>[0INFOPROV] InfoProvider           <ul style="list-style-type: none"> <li>[CRSDTR02] TR Rep: Shipment &amp; Deliveries (Rhodia)</li> <li>[CRSDTR03] TR Rep: Shipment Costs (Rhodia)</li> <li>[CRSDTR22] TR Rep: Shipment &amp; Deliveries (Solvay)</li> <li>[CRSDTR23] TR Rep: Shipment Costs (Solvay)</li> </ul> </li> <li>[C_SHIPNU2_C_STTRG] Ship Overall transportation status           <ul style="list-style-type: none"> <li>[5] Shipment Completion</li> <li>[6] Shipment Start</li> <li>[7] Shipment End</li> </ul> </li> <li>[C_COMPCDE_C_CSMETH] PRS Comp Conso Meth           <ul style="list-style-type: none"> <li>[90] Sold</li> </ul> </li> </ul>
Number of Shipments, Number of Containers, Total KM	QVSCE_BW_QRY_MVS DTR01_0012	<ul style="list-style-type: none"> <li>[0INFOPROV] InfoProvider           <ul style="list-style-type: none"> <li>[CRSDTR02] TR Rep: Shipment &amp; Deliveries (Rhodia)</li> <li>[CRSDTR01] TR Rep: Shipment Header (Rhodia)</li> <li>[CRSDTR21] TR Rep: Shipment Header (Solvay)</li> <li>[CRSDTR22] TR Rep: Shipment &amp; Deliveries (Solvay)</li> </ul> </li> </ul>
Transport Cost Accrual Accuracy, Accruals and Invoiced	QVSCE_BW_QRY_MVS DTR01_0011	<ul style="list-style-type: none"> <li>[0INFOPROV] InfoProvider           <ul style="list-style-type: none"> <li>[CRSDTR02] TR Rep: Shipment &amp; Deliveries (Rhodia)</li> <li>[CRSDTR03] TR Rep: Shipment Costs (Rhodia)</li> <li>[CRSDTR04] TR Rep: Shipment Conditions (Rhodia)</li> <li>[CRSDTR05] TR Rep: Shipment Invoices &amp; Purchases (Rhodia)</li> <li>[CRSDTR01] TR Rep: Shipment Header (Rhodia)</li> <li>[CRSDTR21] TR Rep: Shipment Header (Solvay)</li> <li>[CRSDTR23] TR Rep: Shipment Costs (Solvay)</li> <li>[CRSDTR24] TR Rep: Shipment Conditions (Solvay)</li> <li>[CRSDTR25] TR Rep: Shipment Invoices &amp; Purchases (Solvay)</li> <li>[CRSDTR22] TR Rep: Shipment &amp; Deliveries (Solvay)</li> </ul> </li> <li>[C_SHIPNU2_C_STTRG] Ship Overall transportation status           <ul style="list-style-type: none"> <li>[5] Shipment Completion</li> <li>[6] Shipment Start</li> <li>[7] Shipment End</li> </ul> </li> <li>[C_COMPCDE_C_CSMETH] PRS Comp Conso Meth           <ul style="list-style-type: none"> <li>[90] Sold</li> </ul> </li> </ul>

**Update:**

Daily

**Dimensions:**

Global Overview of Dimensions

			<b>TIERS</b>
<b>Global Filters</b>	<b>Period</b>	<b>Month Year</b>	Ship Actual for Ship [C_SHIPNU2__C_COMPMON]
	<b>Organization</b>	<b>GBU</b>	BFC GBU [C_SUBACT2__CPFCTR1_2]
		<b>Group of Activity</b>	[C_SUBACT2__CPFCTR2_2] BFC Group of activities
		<b>Sub-Activity</b>	Sub-activity [C_MATPNT2__OG_CWWE01] Attribute/ BFC Activity 1 [C_MAGNUTU]
		<b>Company</b>	[C_COMPCDE] Company_code
	<b>Plant</b>	<b>Zone</b>	[C_PLANT] Plant\Attributes\[C_GZONE] Geographie/Zone
		<b>Country</b>	[C_PLANT] Plant\Attributes\[0COUNTRY] Country key
		<b>Plant</b>	[C_PLANT] Plant
	<b>Ship Destination</b>	<b>Zone</b>	Ship Dest Geo Zone [C_PNTDS3__C_ZONE]
		<b>Country</b>	Ship Dest Country [C_PNTDS3__0COUNTRY]
		<b>Corporate Group</b>	Delivery [MVSDTR017 / Del Ship to Party [C_SHIPTID] / Corporate Group [C_CORPGR]
		<b>Ship Destination</b>	Ship Destination Point [C_PNTDS3]
	<b>Product</b>	<b>Product Hierarchy</b>	Material Hierarchy [C_MATNR2__OPROD_HIER]
		<b>Product</b>	Commercial Product [C_MATNR2__C_PROD]
		<b>Bulk/Packed</b>	Transportation Group [C_MATNR2__C_BULKPAC]
		<b>Transport Mode</b>	Ship Transportation [C_SHIPNU2__C_TR_MODE]
<b>Specific Filters</b>		<b>Packaging Type</b>	[C_MATNR2] Material\Attributes\[C_PACKAG]
		<b>Forward Agent</b>	Forward Agent [C_FWDAGID]
		<b>Partner Type</b>	PARTNER [MVSDTR014] \ [C_PNTY3PY] 3rd Party Type