

Summary of reports based on SAP transaction VL06O - Outbound Delivery Monitor

VL06O standard transaction is used to display (list) Outbound Deliveries and to **monitor / control shipping process**. This report provides an overview of all deliveries according to picking dates, planned transport dates or goods issue date. KPI (Key Performance Indicators) are defined in below standard analysis.

No	Reports
1	Delivery Type and Item category
2	KPI - Accuracy of deliveries : Planned vs Actual delivery date
3	KPI - Ship-to party : deliveries, quantity in Sales Unit and materials
4	KPI - Employees workload : Deliveries, Materials, Customers per user
5	Route (transit days) and Country (ship-to party)
6	Shipping Type and Shipping Point
7	Weight and Volume
8	Incoterms
9	Distribution Channel

Other reports can be prepared based on : Plant, Storage Location, Warehouse Number, Sold-to party, Vendor, Sales Organization
Data is exported from SAP for deliveries based on Actual Goods Movement Date and defined period at Plant level.

1 Delivery Type and Item category

The delivery type determines how the system processes a delivery and is important to distinguish between different types of delivery. In below table we present monthly **number of deliveries** based on Actual Goods Movement Date. Monthly variances should be explained or high/small usage for Delivery Type. In our following analysis we will present data only for **Outbound delivery OE** (Original Equipment). Other reports can be implemented to monitor returns, packaging, subcontracting, replenishment.

No	Delivery Type	Actual Goods Movement Date												Total	Weight		
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec				
1	ZD01	Customer Order															
2	ZD02	Empties customer															
3	ZD03	Empties supplier															
4	ZD04	Outbound delivery OE															
5	ZD05	Packaging															
6	ZD06	Replenishment															
7	ZD07	Returns delivery															
8	ZD08	Returns Order															
9	ZD09	Subcontractor															
		Total															

To distinguish between different document categories we can build report based on field **Preceding document category**.

- As an example for
- C Customer Order
 - E Scheduling agreement
 - H Returns
 - I Order without charge
 - P Purchase Order

1 Delivery Type and Item category

Item category is a classification that distinguishes between different types of delivery items.

This table can be used to report different types of deliveries as an example samples and to **spot variances**.

Further analysis will be done for Item category **Schedule Agreement Item**.

No	Item category	Actual Goods Movement Date												Total	Weight
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
1	Z001	Customer Returns with Invoice													
2	Z002	Customer Returns without Invoice													
3	Z003	Delivery Order Item													
4	Z004	Empties to customer													
5	Z005	Empties to supplier													
6	Z006	One-way packaging													
7	Z007	Packaging with invoice													
8	Z008	Return Supplier													
9	Z009	Returnable packaging													
10	Z010	Sample without invoice													
11	Z011	Sample with invoice													
12	Z012	Schedule Agreement Item													
13	Z013	Standard Item													
14	Z014	Stock Transfer													
15	Z015	Subcontracting													
	Total														

4 KPI - Employees workload : Deliveries, Materials, Customers per user

The list is sorted in descending order by total number of deliveries and weight is calculated.

As a KPI we defined number of deliveries, materials, customers (Ship-to party) and Unloading Points.

Also we can present data per month to calculate employee turnover based on new users and users who left the company.

User details (as department, location . . .) can be added from transaction SOBN01 - Personal data.

No	User	Deliveries	Weight	Materials	Customer s	Unloading Points
1	User name 1					
2	User name 2					
3	User name 3					
4	User name 4					
5	User name 5					
6	User name 6					
7	User name 7					
8	User name 8					
9	User name 9					
10	User name 10					
11	User name 11					
12	User name 12					
13	User name 13					
14	User name 14					
15	User name 15					
16	User name 16					
17	User name 17					
18	User name 18					
19	User name 19					
20	User name 20					
Total						

* The allocation was made based on the highest number of deliveries per user

5 Route (transit days) and Country (ship-to party)

In this report we present total deliveries and exposure per Country.

Top 10 countries and new countries should be analyzed.

Transit time is another important indicator and missing data from schedule agreements should be checked.

Top 10 routes from deliveries and the average transit time in days are presented, codes that are not used should be reviewed.

No	Route (transit days)	Deliveries	Weight
1	T01L00	1 day transit, 0 days loading	
2	T02L00	2 days transit, 0 days loading	
3	T02L01	2 days transit, 1 day loading	
4	T03L00	3 days transit, 0 days loading	
5	T04L00	4 days transit, 0 days loading	
6	T05L00	5 days transit, 0 days loading	
7	T06L00	6 days transit, 0 days loading	
8	T30L00	30 days transit, 0 days loading	
9	T40L00	40 days transit, 0 days loading	
10	T00L00	no scheduling	
	Total		

No	Country (ship-to party)	Deliveries	Weight
1	AT	Austria	
2	BE	Belgium	
3	BR	Brazil	
4	CN	China	
5	CZ	Czech Republic	
6	FI	Finland	
7	FR	France	
8	DE	Germany	
9	HU	Hungary	
10	IN	India	
11	IT	Italy	
12	MX	Mexico	
13	NL	Netherlands	
14	PL	Poland	
15	RO	Romania	
16	SK	Slovakia	
17	KR	South Korea	
18	ES	Spain	
19	SE	Sweden	
20	TR	Turkey	
21	GB	United Kingdom	
22	US	USA	
	Total		

6 Shipping Type and Shipping Point

Deliveries and weight per shipping type is calculated.

Shipping Point is the physical location from which items are shipped and can used to report different deliveries.

Based on Shipping Point we can analyze returns and subcontracting deliveries.

No	Shipping Type	Deliveries	Weight
1	S01 Sea		
2	T01 Truck		
3	A01 Air		
4	Z01 Courier Services		
	Total		

No	Delivery Type	Shipping Point					Total
		Direct shipping	Returns	Special sales	Subcontracting	Packaging	
1	ZD01 Customer Order						
2	ZD02 Empties customer						
3	ZD03 Empties supplier						
4	ZD04 Outbound delivery OE						
5	ZD05 Packaging						
6	ZD06 Replenishment						
7	ZD07 Returns delivery						
8	ZD08 Returns Order						
9	ZD09 Subcontractor						
	Total						

9 Distribution Channel

Distribution Channel represent the way in which products or services reach the customer. This data is used for management reporting and decision making.

		Deliveries													
	Distribution Channel	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total	Weight
01	Name 01														
02	Name 02														
03	Name 03														
04	Name 04														
05	Name 05														
06	Name 06														
07	Name 07														
08	Name 08														
09	Name 09														
10	Name 10														
	Total														