

## How Late is Late? Vendor Analysis in SAP with MC\$6 and MC\$4.

Suppose you worked at a company with an absolute train wreck of a supply chain, and you wanted to figure out which were the biggest contributors from the supplier base? Probably best to start with the worst suppliers in terms of being very late, and work your way up from there.

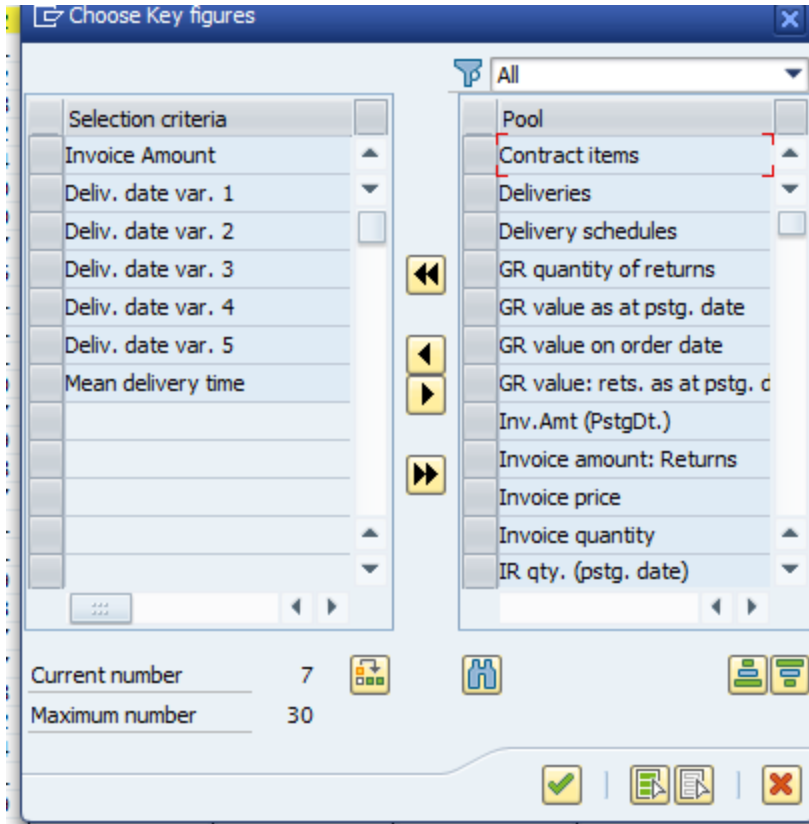
These T codes help you do that. As a Materials Manager I was always very interested in suppliers that were very late. From a traditional on time score card, I could tell which suppliers were late, but had no quick way to sort out the ones that were really impacting me.

Go to the tcode MC\$6 or MC\$4, and add a plant and execute. You can open up the default date range if you want to see more data.

The screenshot shows the SAP 'Vendor Analysis: Purchasing Values: Selection' screen. It features a header bar with navigation icons and options like 'SelectVers.', 'User settings', and 'Standard drilldown'. Below this are three main sections: 'Characteristics', 'Period to analyze', and 'Parameters'. The 'Characteristics' section includes fields for 'Purch. Organization', 'Vendor country', 'Vendor', and 'Plant', each with a 'to' field and a selection icon. The 'Period to analyze' section has 'Month' fields set to '01/2019' and '06/2019'. The 'Parameters' section includes 'Analysis Currency' and 'Exception' fields.



Vendor Analysis: Purchasing Values: Selection			
SelectVers. User settings Standard drilldown			
<b>Characteristics</b>			
Purch. Organization	<input type="text"/>	to	<input type="text"/>
Vendor country	<input type="text"/>	to	<input type="text"/>
Vendor	<input type="text"/>	to	<input type="text"/>
Plant	<input type="text"/>	to	<input type="text"/>
<b>Period to analyze</b>			
Month	<input type="text" value="01/2019"/>	to	<input type="text" value="06/2019"/>
<b>Parameters</b>			
Analysis Currency	<input type="text"/>		
Exception	<input type="text"/>		


My default is set for these key figures.



If your default does not look like this (and it won't in MC\$4), here is how you change them.

**Vendor Analysis: Purchasing Values: Basic List**

Switch drilldown...  Top N...  Key figures Icon

No. of Vendor: 206  De1.dt.vr5 Sorting Icons

Vendor	Invoice Amount	Del1.dt.vr1	Del1.dt.vr2	Del1.dt.vr3	Del1.dt.vr4	Del1.dt.vr5	Mean del. time
<b>Total</b>	91,083,344.40 USD	6,130	12,862	2,524	2,833	16,188	82
	47,413,386.67 USD	2,952	3,301	786	1,319	13,625	51
	8,258,040.11 USD	1,479	1,752	236	321	455	96
	3,230,670.96 USD	442	508	121	98	369	37
	382,980.30 USD	43	762	242	260	297	137
	1,373,915.52 USD	46	364	80	61	228	121
	0.00 USD	47	250	64	14	132	10
	516,820.71 USD	19	450	50	35	100	125
	375,383.95 USD	64	147	36	44	64	136
	1,622,887.13 USD	14	56	18	9	56	110
	1,089,344.05 USD	46	311	76	45	52	117
	1,583,948.73 USD	49	431	144	85	48	160
	2,169,807.68 USD	81	131	9			74
	203,647.45 USD	36	200	38			196
	10,356.23 USD	3	47	20			123
	5,642.64 USD	15	59	8			354
	54.89 USD	97	118	26			111
	1,476,150.94 USD	32	107	30			126
	93,343.24 USD	26	221	5			139
	167.27 USD	15	41	12			340
	228,179.92 USD	35	149	17			195
	9,032.70 USD	15	13	16			85
	360,734.60 USD	27	177	13	12	26	120
	9,118,578.01 USD	84	207	22	11	22	43

Supplier names hidden to protect the guilty

My favorite column to sort. Just click in it and use the sorting icon.

So what do these key figures mean?

In standard SAP the categories mean:

Delv Date 1 = greater than 10 days early.  
 Delv Date 2 = 2 to 10 days early.  
 Delv date 3= (+/-) 2 days early or late.  
 Delv Date 4= 2 to 10 days late.  
 Delv Date 5 = 10 days or more late.

Materials that are ten days or more late almost always will cause disruptions in production. Materials more than ten days early can impact inventory, and is a concern as well.

In the below example we will look at the very late.

First I sort on the lines late in DLV Date 5 to get the data sorted to show the supplier with the most lates.

This vendor is a good example of a vendor who is missing most lines. We can also see the mean delivery time for the suppliers.

Vendor	Invoice Amount	De1.dt.vr1	De1.dt.vr2	De1.dt.vr3	De1.dt.vr4	De1.dt.vr5	Mean del. time
<b>Total</b>	621,779,306.13 ***	53,173	188,925	28,222	20,395	138,215	102
Supplier names	35,619,153.82 ***	3,388	4,157	913	1,459	13,267	60
	6,927,148.57 ***	0,124	11,390	1,187	3,830	0,341	87
	49,086,309.18 ***	1,304	4,124	519	625	6,068	78
	13,897,218.94 ***	1,227	14,628	857	597	3,772	23
	3,365,476.88 ***	163	433	91	116	3,504	135

If I double click on the vendor name I can go to the part number level, and sort again to see which parts are performing the worst.

We can also double click on a part number and change the drill down to date, and see that this part has performed poorly over most months.

Month	Invoice Amount	De1.dt.vr1	De1.dt.vr2	De1.dt.vr3	De1.dt.vr4	De1.dt.vr5	Mean del. time
<b>Total</b>	2,145,051.66 USD	54	86	12	116	859	36
06/2019	0.00 USD	0	0	0	0	55	8
05/2019	217,745.21 USD	0	0	0	0	259	55
04/2019	0.00 USD	0	0	0	6	168	52
03/2019	226,378.28 USD	0	17	4	27	123	27
02/2019	1,109,829.11 USD	54	69	8	80	45	11
01/2019	591,099.06 USD	0	0	0	3	209	43

This is an easy way to look at a lot of information quickly. I encourage you to play around with it and see what other goodies can be found in the other figures and the drop down menus.