

APPENDIX 4

Calculation Reference: AUDIT-740101-151110-1104

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 02 - EMPLOYMENT

Category : A - OFFICE

MULTI-MODAL VEHICLESSelected regions and areas:**02 SOUTH EAST**

EX	ESSEX	1 days
HC	HAMPSHIRE	1 days
KC	KENT	3 days
SC	SURREY	1 days

09 NORTH

TW	TYNE & WEAR	1 days
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*This section displays the number of survey days per TRICS® sub-region in the selected set***Filtering Stage 2 selection:***This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.*

Parameter:	Gross floor area
Actual Range:	2500 to 26100 (units: sqm)
Range Selected by User:	186 to 70291 (units: sqm)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/01 to 19/05/15

*This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.*Selected survey days:

Monday	3 days
Tuesday	3 days
Thursday	1 days

*This data displays the number of selected surveys by day of the week.*Selected survey types:

Manual count	7 days
Directional ATC Count	0 days

*This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.*Selected Locations:

Edge of Town	7
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*This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.*Selected Location Sub Categories:

Industrial Zone	2
Commercial Zone	3
Residential Zone	2

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Filtering Stage 3 selection:Use Class:

B1

7 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 1 mile:

Not Known

1 days

5,001 to 10,000

2 days

10,001 to 15,000

3 days

15,001 to 20,000

1 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

Not Known

1 days

50,001 to 75,000

1 days

75,001 to 100,000

2 days

125,001 to 250,000

1 days

250,001 to 500,000

2 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0

4 days

1.1 to 1.5

3 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

Not Known

1 days

Yes

5 days

No

1 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

LIST OF SITES relevant to selection parameters

1	EX-02-A-02	TELEPHONE CO.	ESSEX
	LONDON ROAD		
	BRENTWOOD		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	19667 sqm	
	Survey date: THURSDAY	05/04/01	Survey Type: MANUAL
2	HC-02-A-11	DIY CO. HQ	HAMPSHIRE
	CHESTNUT AVENUE		
	CHANDLER'S FORD		
	Edge of Town		
	Commercial Zone		
	Total Gross floor area:	26100 sqm	
	Survey date: MONDAY	17/10/11	Survey Type: MANUAL
3	KC-02-A-06	LAND REGISTRY	KENT
	FOREST ROAD		
	CAMDEN PARK		
	TUNBRIDGE WELLS		
	Edge of Town		
	Residential Zone		
	Total Gross floor area:	5677 sqm	
	Survey date: TUESDAY	01/12/09	Survey Type: MANUAL
4	KC-02-A-07	KCC HIGHWAYS REG.	KENT
	KAVELIN WAY		
	HENWOOD IND. ESTATE		
	ASHFORD		
	Edge of Town		
	Commercial Zone		
	Total Gross floor area:	2525 sqm	
	Survey date: MONDAY	05/12/11	Survey Type: MANUAL
5	KC-02-A-08	KCC HIGHWAYS REG. OFFICE	KENT
	ST MICHAEL'S CLOSE		
	CLAY WOOD		
	AYLESFORD		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	3168 sqm	
	Survey date: MONDAY	28/11/11	Survey Type: MANUAL
6	SC-02-A-14	UNILEVER	SURREY
	SPRINGFIELD DRIVE		
	LEATHERHEAD		
	Edge of Town		
	Commercial Zone		
	Total Gross floor area:	19974 sqm	
	Survey date: TUESDAY	10/03/09	Survey Type: MANUAL
7	TW-02-A-04	HOUSING CO.	TYNE & WEAR
	EARLSWAY		
	TEAM VALLEY TRAD. EST.		
	GATESHEAD		
	Edge of Town		
	Industrial Zone		
	Total Gross floor area:	2500 sqm	
	Survey date: TUESDAY	29/09/09	Survey Type: MANUAL

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

MANUALLY DESELECTED SITES

Site Ref	Reason for Deselection
CW-02-A-03	Proximity to Rail Services
DH-02-A-02	No Rail Services
LC-02-A-07	Coastal Location
SC-02-A-16	Proximity to Town Centre
TW-02-A-03	No Rail Services

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

MULTI-MODAL VEHICLES**Calculation factor: 100 sqm****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	19974	0.020	1	19974	0.010	1	19974	0.030
06:00 - 07:00	1	19974	0.175	1	19974	0.030	1	19974	0.205
07:00 - 08:00	7	11373	0.844	7	11373	0.080	7	11373	0.924
08:00 - 09:00	7	11373	1.879	7	11373	0.165	7	11373	2.044
09:00 - 10:00	7	11373	0.935	7	11373	0.166	7	11373	1.101
10:00 - 11:00	7	11373	0.281	7	11373	0.132	7	11373	0.413
11:00 - 12:00	7	11373	0.190	7	11373	0.148	7	11373	0.338
12:00 - 13:00	7	11373	0.175	7	11373	0.276	7	11373	0.451
13:00 - 14:00	7	11373	0.260	7	11373	0.242	7	11373	0.502
14:00 - 15:00	7	11373	0.173	7	11373	0.206	7	11373	0.379
15:00 - 16:00	7	11373	0.142	7	11373	0.399	7	11373	0.541
16:00 - 17:00	7	11373	0.126	7	11373	0.955	7	11373	1.081
17:00 - 18:00	7	11373	0.078	7	11373	1.620	7	11373	1.698
18:00 - 19:00	7	11373	0.063	7	11373	0.672	7	11373	0.735
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			5.341			5.101			10.442

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP \times FACT$. Trip rates are then rounded to 3 decimal places.

Parameter summary

Trip rate parameter range selected:	2500 - 26100 (units: sqm)
Survey date range:	01/01/01 - 19/05/15
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	7

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

MULTI-MODAL CYCLISTS**Calculation factor: 100 sqm****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	19974	0.000	1	19974	0.000	1	19974	0.000
06:00 - 07:00	1	19974	0.005	1	19974	0.000	1	19974	0.005
07:00 - 08:00	7	11373	0.020	7	11373	0.000	7	11373	0.020
08:00 - 09:00	7	11373	0.044	7	11373	0.000	7	11373	0.044
09:00 - 10:00	7	11373	0.005	7	11373	0.000	7	11373	0.005
10:00 - 11:00	7	11373	0.000	7	11373	0.000	7	11373	0.000
11:00 - 12:00	7	11373	0.000	7	11373	0.000	7	11373	0.000
12:00 - 13:00	7	11373	0.000	7	11373	0.001	7	11373	0.001
13:00 - 14:00	7	11373	0.003	7	11373	0.000	7	11373	0.003
14:00 - 15:00	7	11373	0.000	7	11373	0.001	7	11373	0.001
15:00 - 16:00	7	11373	0.000	7	11373	0.004	7	11373	0.004
16:00 - 17:00	7	11373	0.001	7	11373	0.010	7	11373	0.011
17:00 - 18:00	7	11373	0.000	7	11373	0.052	7	11373	0.052
18:00 - 19:00	7	11373	0.000	7	11373	0.010	7	11373	0.010
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.078			0.078			0.156

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP * FACT$. Trip rates are then rounded to 3 decimal places.

Parameter summary

Trip rate parameter range selected:	2500 - 26100 (units: sqm)
Survey date range:	01/01/01 - 19/05/15
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	7

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

MULTI-MODAL PEDESTRIANS**Calculation factor: 100 sqm****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	19974	0.000	1	19974	0.000	1	19974	0.000
06:00 - 07:00	1	19974	0.020	1	19974	0.000	1	19974	0.020
07:00 - 08:00	7	11373	0.036	7	11373	0.000	7	11373	0.036
08:00 - 09:00	7	11373	0.119	7	11373	0.001	7	11373	0.120
09:00 - 10:00	7	11373	0.050	7	11373	0.008	7	11373	0.058
10:00 - 11:00	7	11373	0.014	7	11373	0.015	7	11373	0.029
11:00 - 12:00	7	11373	0.025	7	11373	0.072	7	11373	0.097
12:00 - 13:00	7	11373	0.325	7	11373	0.383	7	11373	0.708
13:00 - 14:00	7	11373	0.229	7	11373	0.118	7	11373	0.347
14:00 - 15:00	7	11373	0.024	7	11373	0.046	7	11373	0.070
15:00 - 16:00	7	11373	0.011	7	11373	0.034	7	11373	0.045
16:00 - 17:00	7	11373	0.009	7	11373	0.075	7	11373	0.084
17:00 - 18:00	7	11373	0.003	7	11373	0.073	7	11373	0.076
18:00 - 19:00	7	11373	0.004	7	11373	0.033	7	11373	0.037
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.869			0.858			1.727

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP \times FACT$. Trip rates are then rounded to 3 decimal places.

Parameter summary

Trip rate parameter range selected:	2500 - 26100 (units: sqm)
Survey date range:	01/01/01 - 19/05/15
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	7

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

MULTI-MODAL PUBLIC TRANSPORT USERS**Calculation factor: 100 sqm****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	19974	0.000	1	19974	0.000	1	19974	0.000
06:00 - 07:00	1	19974	0.025	1	19974	0.005	1	19974	0.030
07:00 - 08:00	7	11373	0.075	7	11373	0.000	7	11373	0.075
08:00 - 09:00	7	11373	0.244	7	11373	0.000	7	11373	0.244
09:00 - 10:00	7	11373	0.157	7	11373	0.004	7	11373	0.161
10:00 - 11:00	7	11373	0.024	7	11373	0.000	7	11373	0.024
11:00 - 12:00	7	11373	0.011	7	11373	0.011	7	11373	0.022
12:00 - 13:00	7	11373	0.018	7	11373	0.026	7	11373	0.044
13:00 - 14:00	7	11373	0.036	7	11373	0.013	7	11373	0.049
14:00 - 15:00	7	11373	0.016	7	11373	0.019	7	11373	0.035
15:00 - 16:00	7	11373	0.023	7	11373	0.045	7	11373	0.068
16:00 - 17:00	7	11373	0.000	7	11373	0.136	7	11373	0.136
17:00 - 18:00	7	11373	0.003	7	11373	0.216	7	11373	0.219
18:00 - 19:00	7	11373	0.000	7	11373	0.112	7	11373	0.112
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.632			0.587			1.219

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP * FACT$. Trip rates are then rounded to 3 decimal places.

Parameter summary

Trip rate parameter range selected:	2500 - 26100 (units: sqm)
Survey date range:	01/01/01 - 19/05/15
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	7

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 02 - EMPLOYMENT/A - OFFICE

MULTI-MODAL TOTAL PEOPLE**Calculation factor: 100 sqm****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate	No. Days	Ave. GFA	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00	1	19974	0.035	1	19974	0.015	1	19974	0.050
06:00 - 07:00	1	19974	0.250	1	19974	0.035	1	19974	0.285
07:00 - 08:00	7	11373	1.068	7	11373	0.053	7	11373	1.121
08:00 - 09:00	7	11373	2.515	7	11373	0.132	7	11373	2.647
09:00 - 10:00	7	11373	1.256	7	11373	0.158	7	11373	1.414
10:00 - 11:00	7	11373	0.364	7	11373	0.137	7	11373	0.501
11:00 - 12:00	7	11373	0.246	7	11373	0.245	7	11373	0.491
12:00 - 13:00	7	11373	0.543	7	11373	0.737	7	11373	1.280
13:00 - 14:00	7	11373	0.565	7	11373	0.391	7	11373	0.956
14:00 - 15:00	7	11373	0.242	7	11373	0.295	7	11373	0.537
15:00 - 16:00	7	11373	0.187	7	11373	0.546	7	11373	0.733
16:00 - 17:00	7	11373	0.133	7	11373	1.303	7	11373	1.436
17:00 - 18:00	7	11373	0.070	7	11373	2.144	7	11373	2.214
18:00 - 19:00	7	11373	0.052	7	11373	0.888	7	11373	0.940
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			7.526			7.079			14.605

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP \times FACT$. Trip rates are then rounded to 3 decimal places.

Parameter summary

Trip rate parameter range selected:	2500 - 26100 (units: sqm)
Survey date range:	01/01/01 - 19/05/15
Number of weekdays (Monday-Friday):	7
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	7

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

APPENDIX 5

Calculation Reference: AUDIT-740101-151109-1148

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : A - HOUSES PRIVATELY OWNED

MULTI-MODAL VEHICLESSelected regions and areas:**02 SOUTH EAST**

ES	EAST SUSSEX	1 days
EX	ESSEX	1 days
SC	SURREY	1 days
WS	WEST SUSSEX	1 days

This section displays the number of survey days per TRICS® sub-region in the selected set

Filtering Stage 2 selection:

This data displays the chosen trip rate parameter and its selected range. Only sites that fall within the parameter range are included in the trip rate calculation.

Parameter:	Number of dwellings
Actual Range:	71 to 491 (units:)
Range Selected by User:	1 to 491 (units:)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/01 to 11/12/14

This data displays the range of survey dates selected. Only surveys that were conducted within this date range are included in the trip rate calculation.

Selected survey days:

Tuesday	1 days
Thursday	3 days

This data displays the number of selected surveys by day of the week.

Selected survey types:

Manual count	4 days
Directional ATC Count	0 days

This data displays the number of manual classified surveys and the number of unclassified ATC surveys, the total adding up to the overall number of surveys in the selected set. Manual surveys are undertaken using staff, whilst ATC surveys are undertaken using machines.

Selected Locations:

Edge of Town	4
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This data displays the number of surveys per main location category within the selected set. The main location categories consist of Free Standing, Edge of Town, Suburban Area, Neighbourhood Centre, Edge of Town Centre, Town Centre and Not Known.

Selected Location Sub Categories:

Residential Zone	4
------------------	---

This data displays the number of surveys per location sub-category within the selected set. The location sub-categories consist of Commercial Zone, Industrial Zone, Development Zone, Residential Zone, Retail Zone, Built-Up Zone, Village, Out of Town, High Street and No Sub Category.

Filtering Stage 3 selection:Use Class:

C3

4 days

This data displays the number of surveys per Use Class classification within the selected set. The Use Classes Order 2005 has been used for this purpose, which can be found within the Library module of TRICS®.

Population within 1 mile:

5,001 to 10,000

1 days

10,001 to 15,000

2 days

15,001 to 20,000

1 days

This data displays the number of selected surveys within stated 1-mile radii of population.

Population within 5 miles:

25,001 to 50,000

1 days

75,001 to 100,000

1 days

100,001 to 125,000

1 days

125,001 to 250,000

1 days

This data displays the number of selected surveys within stated 5-mile radii of population.

Car ownership within 5 miles:

0.6 to 1.0

1 days

1.1 to 1.5

3 days

This data displays the number of selected surveys within stated ranges of average cars owned per residential dwelling, within a radius of 5-miles of selected survey sites.

Travel Plan:

Not Known

1 days

Yes

1 days

No

2 days

This data displays the number of surveys within the selected set that were undertaken at sites with Travel Plans in place, and the number of surveys that were undertaken at sites without Travel Plans.

LIST OF SITES relevant to selection parameters

- | | | |
|---|--|--|
| 1 | ES-03-A-01
OLD MALLING WAY
SOUTH MALLING
LEWES
Edge of Town
Residential Zone
Total Number of dwellings: 491
Survey date: THURSDAY 29/03/01 | MIXED HOUSES/FLATS

EAST SUSSEX

Survey Type: MANUAL |
| 2 | EX-03-A-01
MILTON ROAD
CORRINGHAM
STANFORD-LE-HOPE
Edge of Town
Residential Zone
Total Number of dwellings: 237
Survey date: TUESDAY 13/05/08 | SEMI-DET.

ESSEX

Survey Type: MANUAL |
| 3 | SC-03-A-04
HIGH ROAD

BYFLEET
Edge of Town
Residential Zone
Total Number of dwellings: 71
Survey date: THURSDAY 23/01/14 | DETACHED & TERRACED

SURREY

Survey Type: MANUAL |
| 4 | WS-03-A-04
HILLS FARM LANE
BROADBRIDGE HEATH
HORSHAM
Edge of Town
Residential Zone
Total Number of dwellings: 151
Survey date: THURSDAY 11/12/14 | MIXED HOUSES

WEST SUSSEX

Survey Type: MANUAL |

This section provides a list of all survey sites and days in the selected set. For each individual survey site, it displays a unique site reference code and site address, the selected trip rate calculation parameter and its value, the day of the week and date of each survey, and whether the survey was a manual classified count or an ATC count.

MANUALLY DESELECTED SITES

Site Ref	Reason for Deselection
ES-03-A-02	Coastal Location

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL VEHICLES**Calculation factor: 1 DWELLS****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	4	238	0.078	4	238	0.292	4	238	0.370
08:00 - 09:00	4	238	0.155	4	238	0.413	4	238	0.568
09:00 - 10:00	4	238	0.168	4	238	0.212	4	238	0.380
10:00 - 11:00	4	238	0.129	4	238	0.179	4	238	0.308
11:00 - 12:00	4	238	0.158	4	238	0.151	4	238	0.309
12:00 - 13:00	4	238	0.188	4	238	0.160	4	238	0.348
13:00 - 14:00	4	238	0.175	4	238	0.138	4	238	0.313
14:00 - 15:00	4	238	0.158	4	238	0.162	4	238	0.320
15:00 - 16:00	4	238	0.294	4	238	0.218	4	238	0.512
16:00 - 17:00	4	238	0.283	4	238	0.187	4	238	0.470
17:00 - 18:00	4	238	0.352	4	238	0.182	4	238	0.534
18:00 - 19:00	4	238	0.275	4	238	0.179	4	238	0.454
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.413			2.473			4.886

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP * FACT$. Trip rates are then rounded to 3 decimal places.

Parameter summary

Trip rate parameter range selected:	71 - 491 (units:)
Survey date range:	01/01/01 - 11/12/14
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	1

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL CYCLISTS**Calculation factor: 1 DWELLS****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	4	238	0.005	4	238	0.006	4	238	0.011
08:00 - 09:00	4	238	0.001	4	238	0.008	4	238	0.009
09:00 - 10:00	4	238	0.001	4	238	0.000	4	238	0.001
10:00 - 11:00	4	238	0.002	4	238	0.004	4	238	0.006
11:00 - 12:00	4	238	0.001	4	238	0.003	4	238	0.004
12:00 - 13:00	4	238	0.003	4	238	0.000	4	238	0.003
13:00 - 14:00	4	238	0.001	4	238	0.001	4	238	0.002
14:00 - 15:00	4	238	0.001	4	238	0.002	4	238	0.003
15:00 - 16:00	4	238	0.006	4	238	0.006	4	238	0.012
16:00 - 17:00	4	238	0.008	4	238	0.008	4	238	0.016
17:00 - 18:00	4	238	0.014	4	238	0.011	4	238	0.025
18:00 - 19:00	4	238	0.011	4	238	0.007	4	238	0.018
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.054			0.056			0.110

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP \times FACT$. Trip rates are then rounded to 3 decimal places.

Parameter summary

Trip rate parameter range selected:	71 - 491 (units:)
Survey date date range:	01/01/01 - 11/12/14
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	1

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL PEDESTRIANS**Calculation factor: 1 DWELLS****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	4	238	0.024	4	238	0.069	4	238	0.093
08:00 - 09:00	4	238	0.038	4	238	0.243	4	238	0.281
09:00 - 10:00	4	238	0.063	4	238	0.067	4	238	0.130
10:00 - 11:00	4	238	0.034	4	238	0.035	4	238	0.069
11:00 - 12:00	4	238	0.025	4	238	0.024	4	238	0.049
12:00 - 13:00	4	238	0.044	4	238	0.022	4	238	0.066
13:00 - 14:00	4	238	0.028	4	238	0.027	4	238	0.055
14:00 - 15:00	4	238	0.038	4	238	0.046	4	238	0.084
15:00 - 16:00	4	238	0.227	4	238	0.061	4	238	0.288
16:00 - 17:00	4	238	0.085	4	238	0.046	4	238	0.131
17:00 - 18:00	4	238	0.079	4	238	0.051	4	238	0.130
18:00 - 19:00	4	238	0.055	4	238	0.051	4	238	0.106
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.740			0.742			1.482

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP * FACT$. Trip rates are then rounded to 3 decimal places.

Parameter summary

Trip rate parameter range selected:	71 - 491 (units:)
Survey date range:	01/01/01 - 11/12/14
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	1

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL PUBLIC TRANSPORT USERS**Calculation factor: 1 DWELLS****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	4	238	0.000	4	238	0.018	4	238	0.018
08:00 - 09:00	4	238	0.006	4	238	0.060	4	238	0.066
09:00 - 10:00	4	238	0.014	4	238	0.011	4	238	0.025
10:00 - 11:00	4	238	0.012	4	238	0.007	4	238	0.019
11:00 - 12:00	4	238	0.006	4	238	0.012	4	238	0.018
12:00 - 13:00	4	238	0.015	4	238	0.001	4	238	0.016
13:00 - 14:00	4	238	0.009	4	238	0.004	4	238	0.013
14:00 - 15:00	4	238	0.005	4	238	0.003	4	238	0.008
15:00 - 16:00	4	238	0.078	4	238	0.001	4	238	0.079
16:00 - 17:00	4	238	0.013	4	238	0.000	4	238	0.013
17:00 - 18:00	4	238	0.018	4	238	0.001	4	238	0.019
18:00 - 19:00	4	238	0.006	4	238	0.005	4	238	0.011
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.182			0.123			0.305

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP \times FACT$. Trip rates are then rounded to 3 decimal places.

Parameter summary

Trip rate parameter range selected:	71 - 491 (units:)
Survey date date range:	01/01/01 - 11/12/14
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	1

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL TOTAL PEOPLE**Calculation factor: 1 DWELLS****BOLD print indicates peak (busiest) period**

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	4	238	0.111	4	238	0.458	4	238	0.569
08:00 - 09:00	4	238	0.240	4	238	0.909	4	238	1.149
09:00 - 10:00	4	238	0.268	4	238	0.365	4	238	0.633
10:00 - 11:00	4	238	0.195	4	238	0.279	4	238	0.474
11:00 - 12:00	4	238	0.218	4	238	0.227	4	238	0.445
12:00 - 13:00	4	238	0.296	4	238	0.220	4	238	0.516
13:00 - 14:00	4	238	0.263	4	238	0.196	4	238	0.459
14:00 - 15:00	4	238	0.229	4	238	0.238	4	238	0.467
15:00 - 16:00	4	238	0.728	4	238	0.364	4	238	1.092
16:00 - 17:00	4	238	0.464	4	238	0.297	4	238	0.761
17:00 - 18:00	4	238	0.525	4	238	0.288	4	238	0.813
18:00 - 19:00	4	238	0.428	4	238	0.306	4	238	0.734
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.965			4.147			8.112

This section displays the trip rate results based on the selected set of surveys and the selected count type (shown just above the table). It is split by three main columns, representing arrivals trips, departures trips, and total trips (arrivals plus departures). Within each of these main columns are three sub-columns. These display the number of survey days where count data is included (per time period), the average value of the selected trip rate calculation parameter (per time period), and the trip rate result (per time period). Total trip rates (the sum of the column) are also displayed at the foot of the table.

To obtain a trip rate, the average (mean) trip rate parameter value (TRP) is first calculated for all selected survey days that have count data available for the stated time period. The average (mean) number of arrivals, departures or totals (whichever applies) is also calculated (COUNT) for all selected survey days that have count data available for the stated time period. Then, the average count is divided by the average trip rate parameter value, and multiplied by the stated calculation factor (shown just above the table and abbreviated here as FACT). So, the method is: $COUNT/TRP * FACT$. Trip rates are then rounded to 3 decimal places.

Parameter summary

Trip rate parameter range selected:	71 - 491 (units:)
Survey date range:	01/01/01 - 11/12/14
Number of weekdays (Monday-Friday):	4
Number of Saturdays:	0
Number of Sundays:	0
Surveys manually removed from selection:	1

This section displays a quick summary of some of the data filtering selections made by the TRICS® user. The trip rate calculation parameter range of all selected surveys is displayed first, followed by the range of minimum and maximum survey dates selected by the user. Then, the total number of selected weekdays and weekend days in the selected set of surveys are shown. Finally, the number of survey days that have been manually removed from the selected set outside of the standard filtering procedure are displayed.

APPENDIX 6

Method of Travel to Work (QS701EW)

Method of Travel to Work (QS701EW)			Hillingdon 031A Super Output Area Lower Layer	Hillingdon London Bor	London Region	England Country	
All Usual Residents Aged 16 to 74	Count	Persons	Mar-11	1517	199926	6117482	38881374
Work Mainly at or From Home	Count	Persons	Mar-11	34	5121	202679	1349568
Underground, Metro, Light Rail, Tram	Count	Persons	Mar-11	38	17458	902263	1027625
Train	Count	Persons	Mar-11	25	5643	532720	1343684
Bus, Minibus or Coach	Count	Persons	Mar-11	244	15731	561605	1886539
Taxi	Count	Persons	Mar-11	2	469	20314	131465
Motorcycle, Scooter or Moped	Count	Persons	Mar-11	9	1059	45976	206550
Driving a Car or Van	Count	Persons	Mar-11	433	68925	1120826	14345882
Passenger in a Car or Van	Count	Persons	Mar-11	23	4092	69659	1264553
Bicycle	Count	Persons	Mar-11	20	1936	161705	742675
On Foot	Count	Persons	Mar-11	104	9192	352612	2701453
Other Method of Travel to Work	Count	Persons	Mar-11	7	664	28538	162727
Not in Employment	Count	Persons	Mar-11	578	69636	2118585	13718653
Method of Travel to Work, 2011 (QS701EW), Mar11	LastUpdated		30-Jan-13				
Method of Travel to Work, 2011 (QS701EW), Mar11	Source	Office for National Statistics					
Method of Travel to Work (QS701EW)	National Statistics						



Car Driver	433	48%
Car Passenger	23	3%
Public Transport	307	34%
Pedestrian	104	11%
Cyclist	20	2%
Other	18	2%
	905	100%