

## Drive time engine Speed Category data enhancement

Effective with the Q1 2015 release, we have enhanced our drive time engine product to include **TomTom's Speed Category** data which will enable end users to create drive times based on Peak, OffPeak and Night traffic speeds. TomTom's Speed Category data represents a rough estimate of the average speed that a car can drive safely on a certain road, in off peak hours and this data is captured for both all road and ferry connections. TomTom utilizes different sources to provide this information such as Mobile Mapping, field survey, probe data, community input or sensor data, and all are processed for this dataset.

TomTom's Speed Category data is structured in eight categories, listed below:

Value	Significance in mph	Significance in km/h
1	> 80 mph	> 130 km/h
2	65 – 80 mph	101 – 130 km/h
3	55 – 64 mph	91 – 100 km/h
4	41 – 54 mph	71 – 90 km/h
5	31 – 40 mph	51 – 70 km/h
6	21 – 30 mph	31 – 50 km/h
7	6 – 20 mph	11 – 30 km/h
8	< 6 mph	< 11 km/h

Using this Speed Category organization, Night is 2/3 greater than the lower limit of the range, OffPeak speeds are 1/3 greater than the lower limit of the range and Peak speeds are at the lower limit of the range. Note that category 8 is always 5 mph and category 1 is always 81 mph (in metric, 10 km/h and 131 km/h respectively). These applied speeds are found in the Guzzler XML and can be modified by the client. If you do so, we recommend a copy of the Guzzler XML be made prior to modifying the XML so you can revert back to the original settings.

### Enhanced drive time in miles per hour

Speed Category	Night (mph)	OffPeak (mph)	Peak (mph)
1	81	81	81
2	75	70	65
3	61	58	55
4	51	45	41

5	37	34	31
6	27	24	21
7	15	11	6
8	5	5	5

Enhanced drive time in kilometres per hour

Speed Category	Night (km/h)	OffPeak (km/h)	Peak (km/h)
1	131	131	131
2	120	111	101
3	97	94	91
4	84	77	71
5	64	57	51
6	44	37	31
7	24	17	11
8	10	10	10

All three options are automatically installed with the drive time engine, however the user will need to 'toggle' back and forth to select the appropriate traffic option and the **default** is 'OffPeak'.

TomTom US OffPeak - Most Recent Vintage  
 TomTom US OffPeak Q1 2015  
 TomTom US Q1 2015 (Previous Methodology)  
 TomTom US Night - Most Recent Vintage  
 TomTom US Night Q1 2015  
 TomTom US Peak - Most Recent Vintage  
 TomTom US Peak Q1 2015

Also included in the Q1 2015 release is the previous drive time methodology (US only) and the dataset is called 'TomTom US Q1 2015 (Previous Methodology)'. We will be delivering this methodology until the **Q4 2016 release** to enable users to work and transition their workflows to the new drive time enhancements.



**Note:** with the Q3 2015 release, TomTom has changed their source methodology for determining the Speed Category data. In the past, the values were based on road classification attributes. In the new process, TomTom is using their Speed Profile product which provides real measured speed from their own probe source. As a result of this change, there may be some variances with the drive time trade areas.