

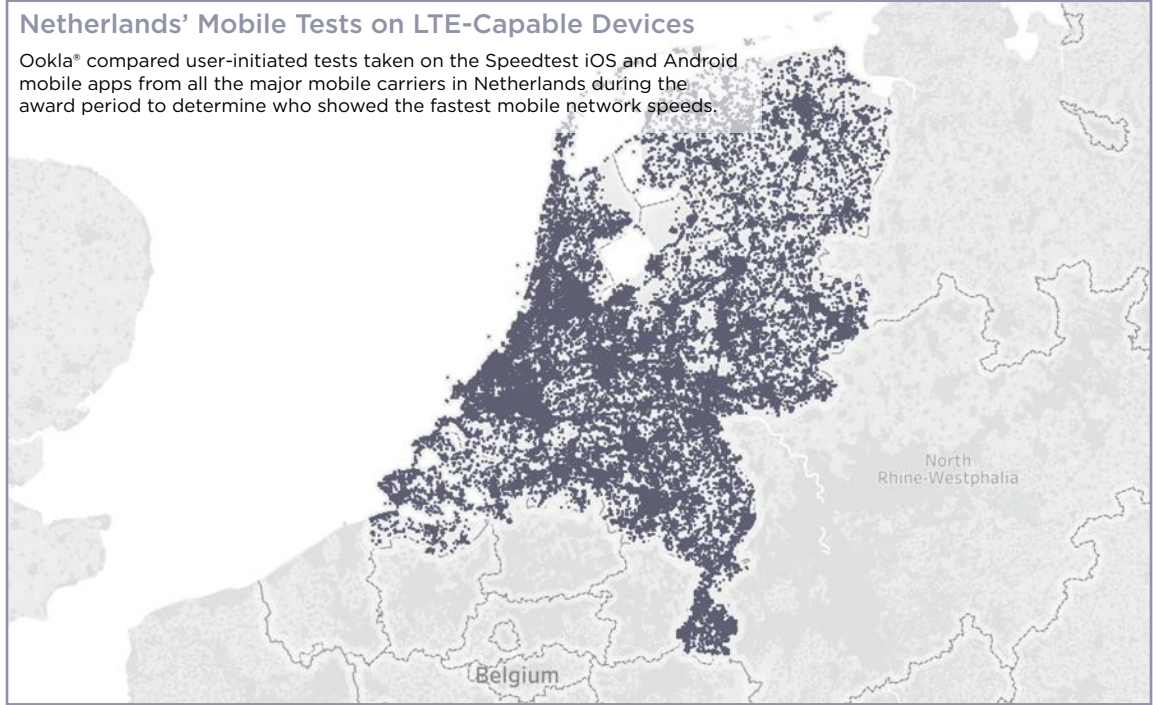
**Speed Score**  
**63.77**

## Netherlands Q2-Q3 2018

T-Mobile is Netherlands' Speedtest® Awards Winner for mobile network speed. To win this award, T-Mobile achieved a Speed Score™ of 63.77 with average speeds of 69.96 Mbps for download and 17.08 Mbps for upload.

| Carrier    | Test Count | Speed Score |
|------------|------------|-------------|
| T-Mobile   | 140,113    | 63.77       |
| KPN Mobile | 139,921    | 44.55       |
| Tele2      | 76,715     | 42.68       |
| Ziggo      | 52,837     | 33.67       |

Speed Score incorporates a measure of each provider's download and upload speed to rank network speed performance. See next page for more detail.



### Market Statistics

Test Count  
**454,387**

Average Download Speed:  
**51.44** Mbps

Average Upload Speed:  
**14.38** Mbps

Average Latency:  
**31** ms

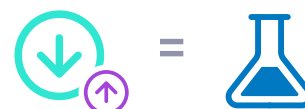
Unique Devices  
163,799

|           |        |
|-----------|--------|
| iPhone 7  | 17,108 |
| iPhone X  | 14,686 |
| iPhone 6s | 10,720 |
| Galaxy S8 | 8,762  |
| iPhone 6  | 8,101  |

| Carrier    | Avg Download Speed (Mbps) | Avg Upload Speed (Mbps) | Avg Latency (ms) |
|------------|---------------------------|-------------------------|------------------|
| T-Mobile   | 69.96                     | 17.08                   | 27               |
| KPN Mobile | 48.88                     | 14.20                   | 32               |
| Tele2      | 47.04                     | 10.61                   | 27               |
| Ziggo      | 37.32                     | 12.80                   | 35               |

### How Speed Score Works

When analyzing fastest operators, Ookla solely considers top carriers (all carriers with 3% or more of total test samples in the market for the period). We then determine the fastest carrier using Speed Score which incorporates a measure of each provider’s download and upload speed to rank network speed performance (90% of the final Speed Score is attributed to download speed and the remaining 10% to upload speed). The Speed Score uses a modified trimean to demonstrate the download and upload speeds that are available across a provider’s network. We take speeds from the 10th percentile, 50th percentile (also known as the median), and 90th percentile, and combine them in a weighted average using a 1:2:1 ratio, respectively. We place the most emphasis on the download speeds and median speeds as those represent what most network providers’ customers will experience on a day-to-day basis.



| Carrier Name    | Download Trimean | 90 <sup>th</sup> Percentile | 50 <sup>th</sup> Percentile | 10 <sup>th</sup> Percentile | Upload Trimean | 90 <sup>th</sup> Percentile | 50 <sup>th</sup> Percentile | 10 <sup>th</sup> Percentile |
|-----------------|------------------|-----------------------------|-----------------------------|-----------------------------|----------------|-----------------------------|-----------------------------|-----------------------------|
| <b>T-Mobile</b> | <b>69.02</b>     | 140.99                      | 61.59                       | 11.91                       | <b>16.48</b>   | 38.13                       | 12.53                       | 2.75                        |
| KPN Mobile      | 47.96            | 103.16                      | 40.31                       | 8.06                        | 13.87          | 32.82                       | 10.62                       | 1.40                        |
| Tele2           | 46.30            | 97.70                       | 39.29                       | 8.92                        | 10.09          | 22.86                       | 8.12                        | 1.25                        |
| Ziggo           | 36.01            | 74.10                       | 31.17                       | 7.59                        | 12.58          | 28.45                       | 10.11                       | 1.65                        |

### City Network Speeds

| City      | Carrier         | Speed Score | Download Mbps | Upload Mbps |
|-----------|-----------------|-------------|---------------|-------------|
| Amsterdam | <b>T-Mobile</b> | 61.37       | 66.79         | 18.48       |
|           | KPN Mobile      | 41.69       | 46.15         | 14.64       |
|           | Tele2           | 40.30       | 44.61         | 11.66       |
|           | Ziggo           | 34.56       | 37.90         | 15.25       |
| The Hague | <b>T-Mobile</b> | 59.08       | 65.17         | 19.56       |
|           | KPN Mobile      | 48.23       | 52.87         | 17.23       |
|           | Tele2           | 43.88       | 48.59         | 11.85       |
|           | Ziggo           | 42.52       | 46.23         | 15.69       |
| Rotterdam | <b>T-Mobile</b> | 61.73       | 67.48         | 20.68       |
|           | Tele2           | 44.41       | 48.63         | 12.14       |
|           | KPN Mobile      | 44.35       | 49.46         | 15.44       |
|           | Ziggo           | 41.37       | 46.37         | 16.46       |

### Methodology

For more information on our methodology visit [Speedtest.net/Awards](https://www.speedtest.net/Awards)