


**Assessment of mobile
network experience
26 February – 26 March 2026
in Denmark**



A van from Danish Technological Institute at one of the randomly selected test locations - here at Ribe Cathedral

Contents

- Extent and test method Page 3-4
- The 700 stationary test points and app. 16000 test points for mobile measurements Page 5-6
- Summary of results Page 7-8
- Total national results – stationary and mobile Page 10-11
- Stationary national results Page 13-25
- Mobile national results Page 27-35
- Access to 5G – stationary and mobile Page 37-41

Måling i bil



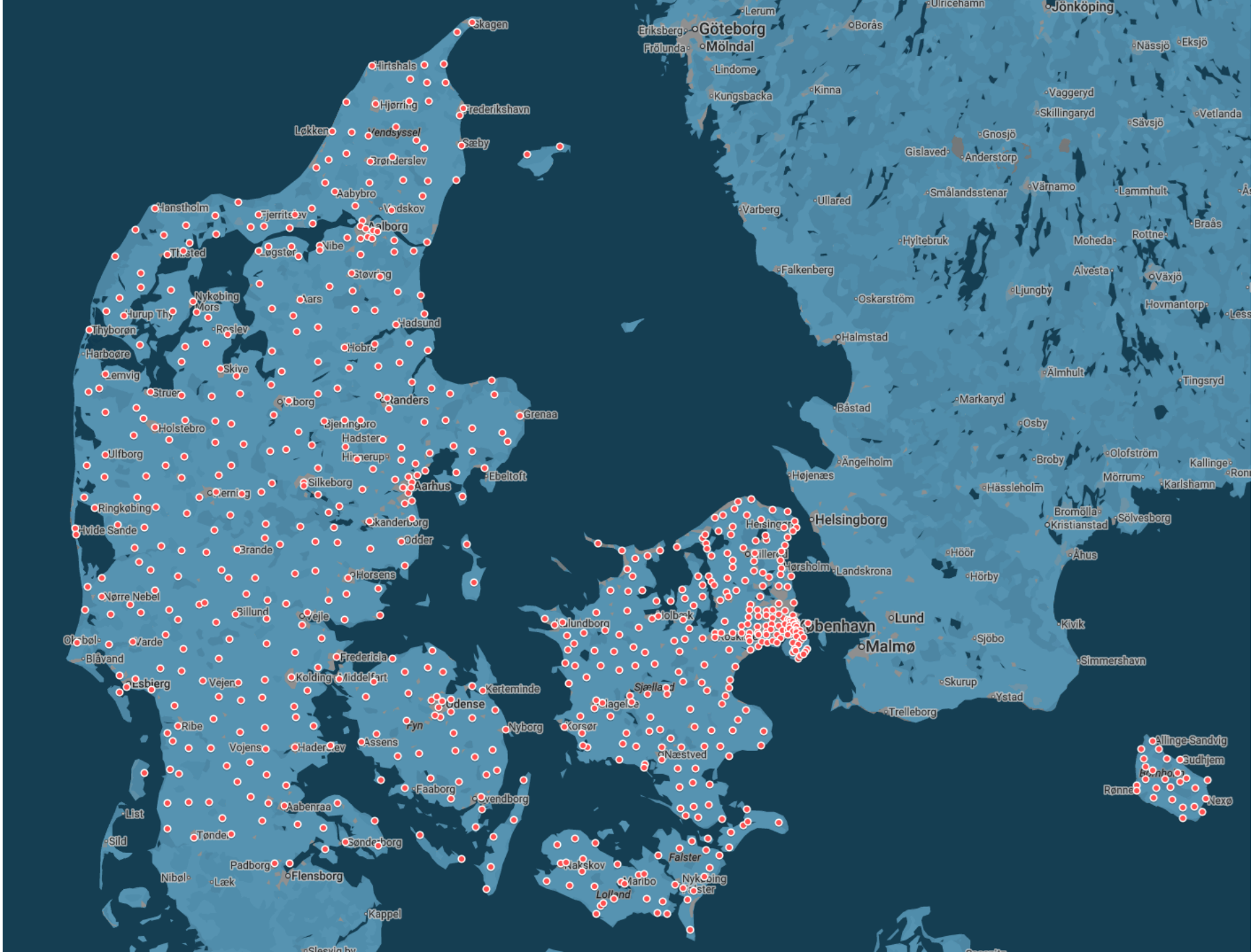


Extent and test method

- TDC NET commissioned and paid for the assignment. The stationary measurements were carried out in the same way as the surveys in 2014, 2015, 2016, 2017, 2018, 2019, 2021, 2022, 2023, 2024, and 2025.
- The assignment had **a large geographical spread with stationary measurements** of the mobile network experience throughout Denmark with one of the newest and most popular mobile phone brands: **iPhone Air - 5G**
- **In 2026, mobile measurements were also carried out for mobile phone calls as well as download and upload speeds using the latest model from one of the most popular Android mobile phone brands: Samsung 25 S – 5G. The mobile measurements were carried out on motorways, main roads, and municipal roads.**
- **In the 2026 report, the previous regional results have been divided into groups: cities, medium-sized towns, small towns, and rural areas, based on Geohash population criteria.**
- A **good mobile network experience** is based on an even weighting of stationary and mobile measurements and defined by TDC NET as:
 - A **30 sec. error-free stationary and a 60 sec. mobile phone call** (where you can hear the recipient) is defined as approved. In case of error, one redial is made. If the redial is successful, then the phone call is approved.
 - **100 MB download within 60 sec.** TDC NET considers 120 sec. or more as useless mobile coverage.
 - **100 MB upload within 110 sec.** TDC NET considers 120 sec. or more as useless mobile coverage.
 - **60 sec. DR TV news on an app without buffering waiting time.** In previous surveys, the same YouTube video was streamed, but to avoid possible caches from test to test, DR TV was chosen instead. A buffering waiting time of 0.1-10 sec. is categorised as defective. TDC NET considers a buffering waiting time of more than 10 sec. as video streaming being impossible.

- The 700 stationary test locations were evenly distributed in 10x10 km squares **throughout** Denmark. They comprised the countryside, towns, islands, forests, and beaches – and always in places where it was possible to park the van. See map on the next page.
- The density of the measurements was doubled in larger towns, as large buildings can affect the coverage locally. The number of measurements was increased in the Capital Region of Denmark, Region Zealand, and the North Jutland Region to ensure adequate statistical validity.
- The stationary test locations were selected by Danish Technological Institute without knowledge of/consideration for antenna locations – and always in places where it was possible to park the van. Within each square, the chosen measurement location was mainly where the Geohash indicated the highest residential population.
- TDC NET was informed about the GPS coordinates of the test locations AFTER the measurements had been carried out.
- The stationary and mobile measurements were carried out in a van with the telephone in a holder. Mobile measurements were carried out in an automatic and traffic-safe manner using the automatic RANTcell app.
- The mobile measurements were carried out on motorways, main roads, and municipal roads. The national result was weighted as follows: motorways 50%, main roads 40%, and municipal roads 10% according to traffic figures from the Danish Road Directorate.
- The number of mobile measurements in average amounted to app. 3500 downloads, uploads, and phone calls for each network provider.
- The mobile measurements covered all motorways (3,487 km), main roads (968 km) and municipal connecting roads (app. 400 km) between the stationary test locations.
- An iPhone AIR 5G was used for stationary measurements, and a Samsung 25 S - 5G was used for mobile measurements. Danish Technological Institute bought SIM cards from the four network providers. The SIM cards were inserted at random in the supplied cell phones.
- Before the test started, Danish Technological Institute informed Telenor, Norlys, and 3 that a mobile phone coverage survey would be conducted for an anonymous client; i.e., the four network providers were put on an equal footing.
- 2 independent specialists used Excel and R for statistical analyses to assure the quality of the calculations. Then the results were compared and minor human errors were corrected.

The 700 selected stationary test locations 2026





Summary of results 2026

- Nationally, TDC NET has a better total mobile network experience* than Telenor, Norlys, and 3.
- Nationally, TDC NET has a 96% error-free mobile network experience*. Nationally, Norlys has 94%, Telenor has 93%, and 3 has a 91% error-free mobile network experience*.
- Nationally, TDC NET has faster and more error-free downloads and uploads than Telenor, Norlys, and 3. That is especially because TDC achieves better results in rural areas and in connection with the mobile measurements.
- TDC NET has the best access to 5G on motorways, main roads, and municipal roads.
- For ordinary mobile phone conversations*, there are no significant differences between TDC NET, Telenor, Norlys, and 3. Differences that appear when comparing with previous years may be due to statistical coincidences.
- Nationally, video streaming is almost error-free. Only minor differences have been measured between the network providers, and they might be due to statistical coincidences. A significant explanation of the smaller spread between the network providers is that the app adjusts the picture quality in relation to the available download speeds.

* **TDC NET defined a good mobile network experience as:** 30 sec. error-free stationary mobile phone conversation and 60 sec. mobile - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time.



Comments to results 2026

- The results in this report are AVERAGE FIGURES. **Coverage where you currently are using your mobile phone might give a different result than the average figures.**
- If there is not sufficient capacity on the server you use for uploads or downloads, then the server may reduce the quality of your mobile network experience when handling larger amounts of data.
- **The mobile data traffic typically increases app. 20% annually.** Statistics of the Danish Agency for Digital Government from the last 6 months of 2023 to the last 6 months of 2024 show an increase in mobile data traffic (up- and downloads) by 21.4%, which follows the trend from previous years.
- Although Telenor and Norlys share masts and frequencies, their results differ. That is due to only in-part joint ownership of the underlying transmission technology.

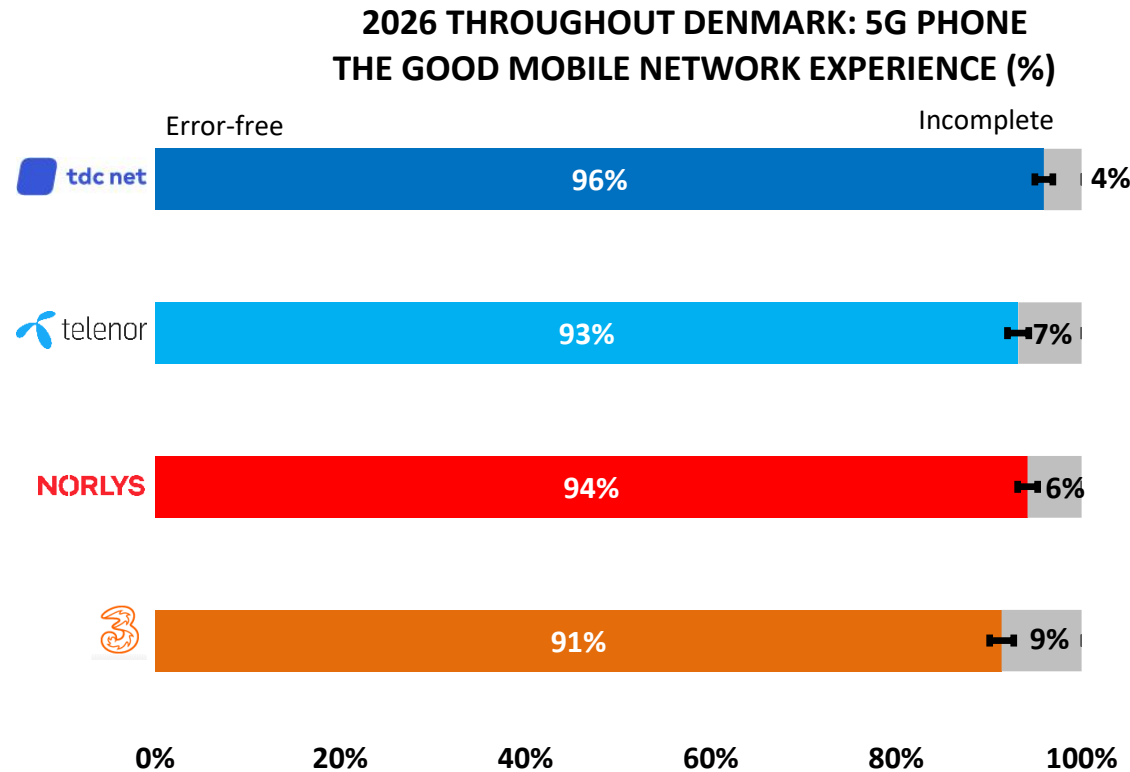


A van from Danish Technological Institute at one of the randomly selected test locations – here at the culture centre called Realen located on the island of Fanøe



Total stationary and mobile measurements: National result of mobile network experience in 2026 with a 5G phone

TDC NET has a better total mobile network experience* than Telenor, Norlys, and 3.

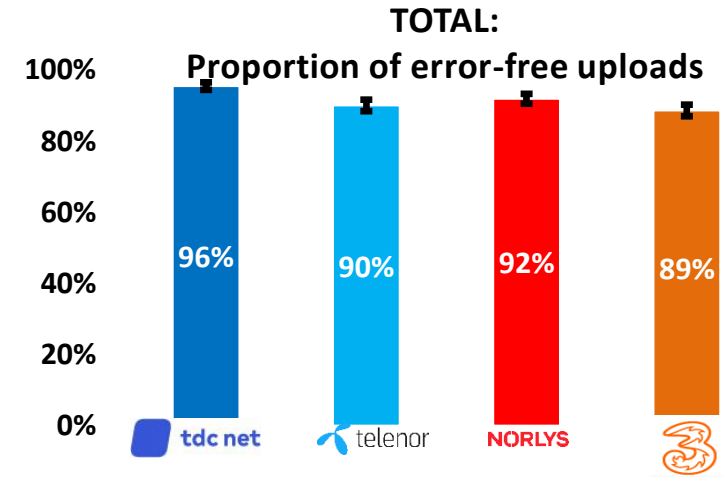
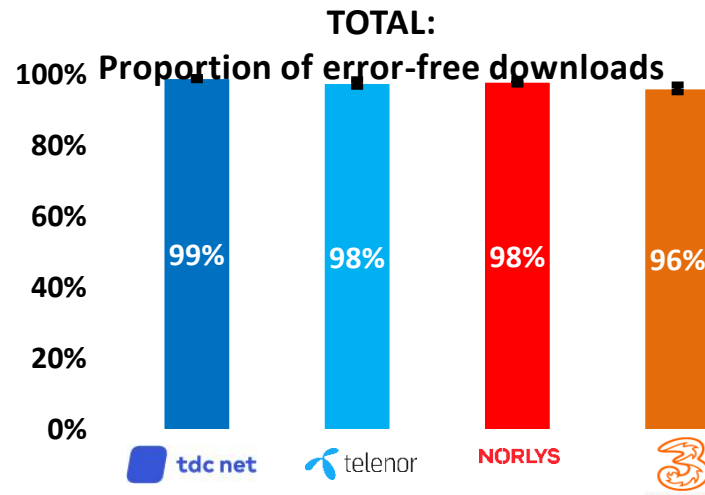
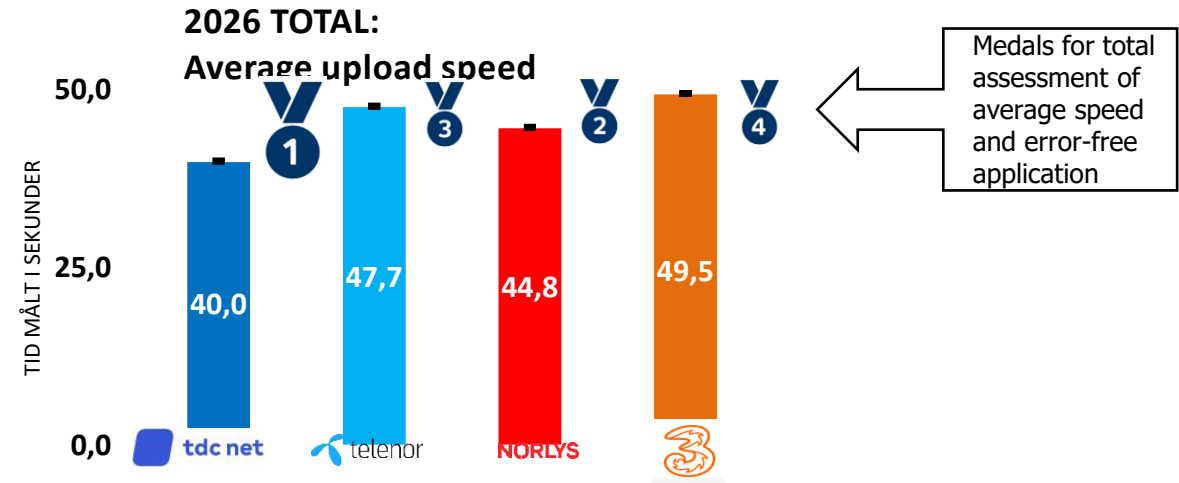
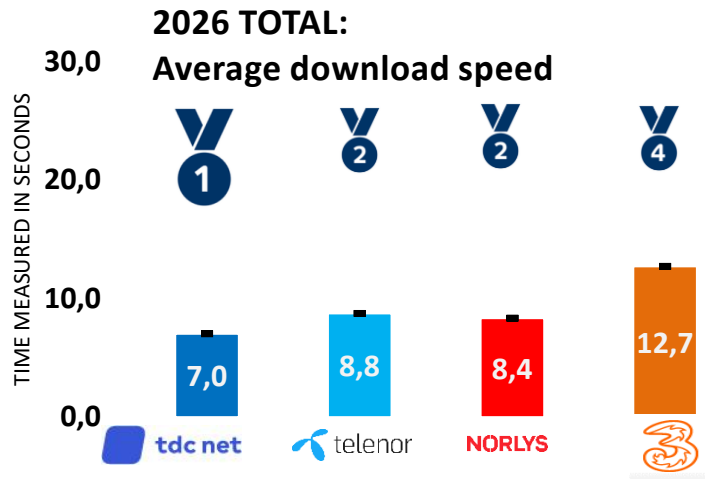


*TDC NET defined a good mobile network experience as: 30 sec. error-free stationary mobile phone conversation and 60 sec. mobile - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time. **Horizontal black lines indicate a 95% statistical confidence interval.**



Stationary and mobile measurements: National result of download and upload speeds in 2026 with a 5G phone

TDC NET has faster and more error-free downloads and uploads than Telenor, Norlys, and 3.



*TDC NET defined a good mobile network experience as: 30 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time. Vertical black lines indicate a 95% statistical confidence interval.



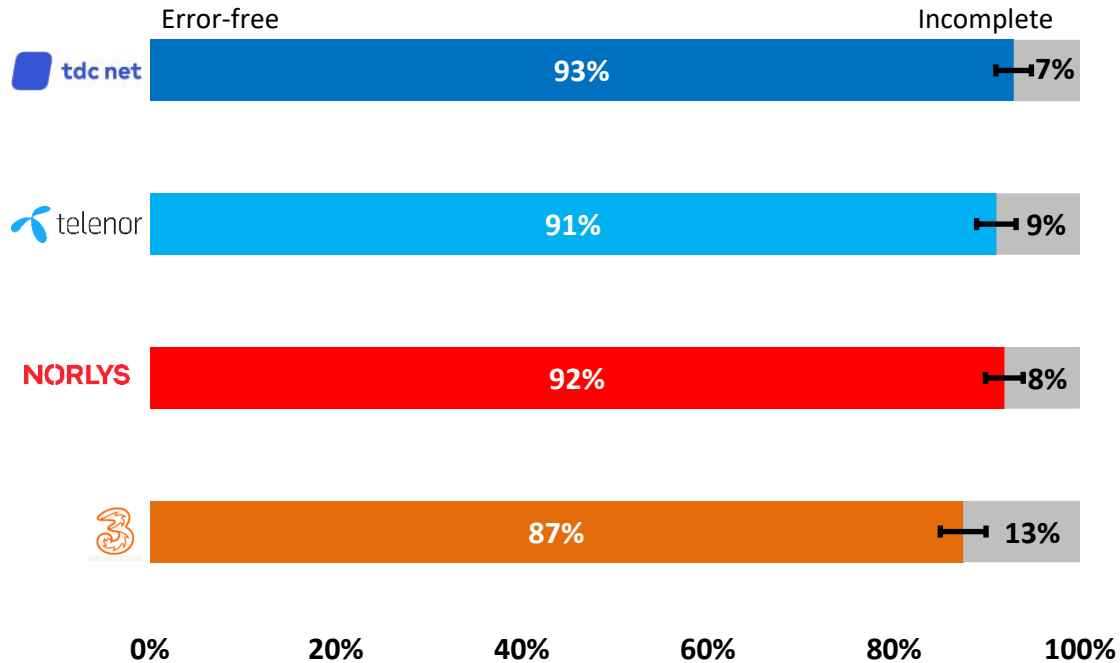
A van from Danish Technological Institute at one of the randomly selected test locations – here in a residential neighbourhood in Brønderslev



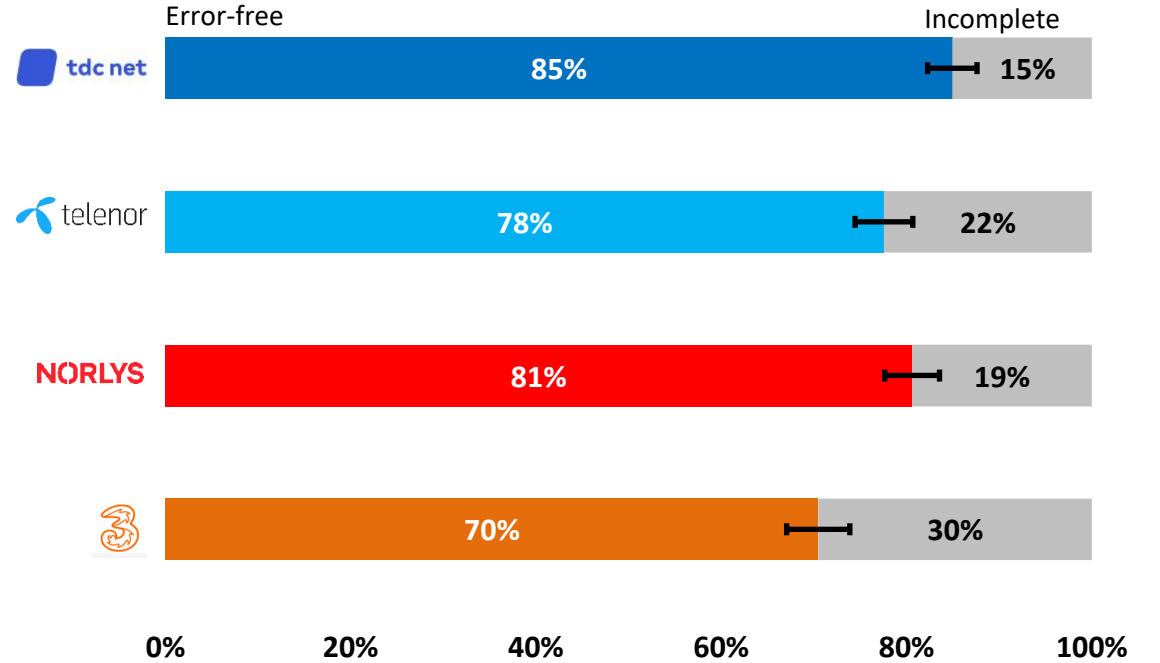
Stationary measurements: National result of mobile network experience in 2026 with a 5G phone

TDC NET has a better total mobile network experience* than Telenor, Norlys, and 3.

2026 THROUGHOUT DENMARK: 5G PHONE
THE GOOD MOBILE NETWORK EXPERIENCE (%)



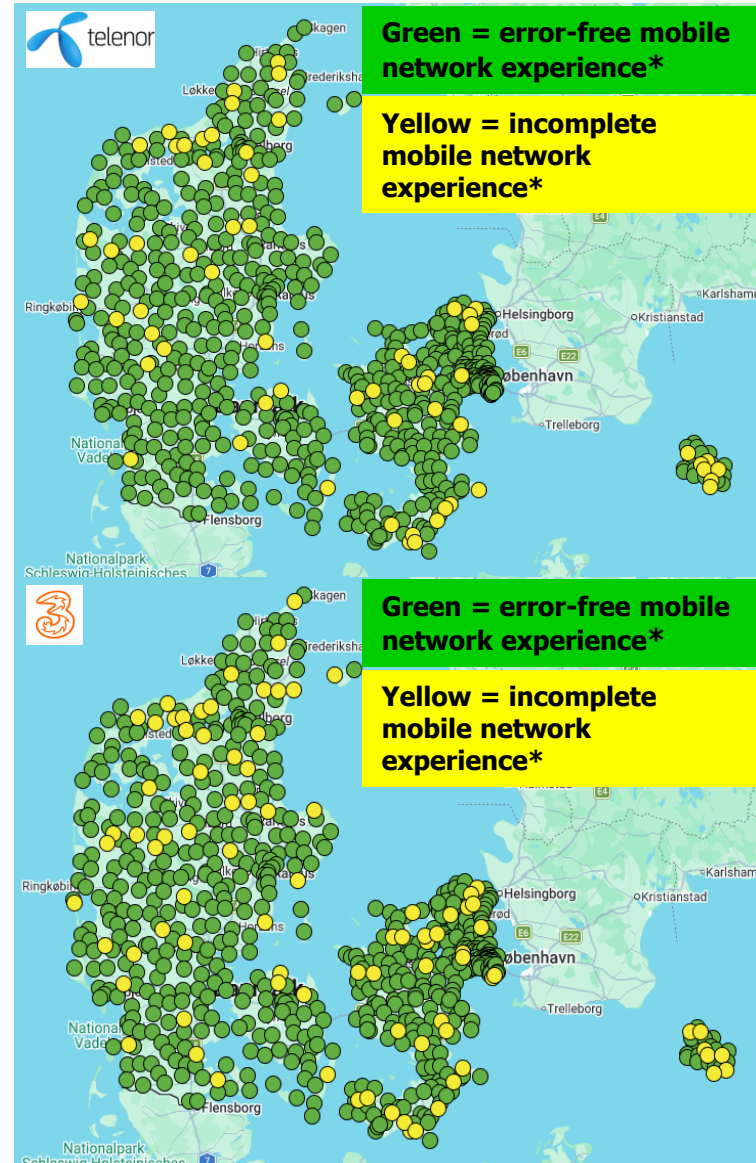
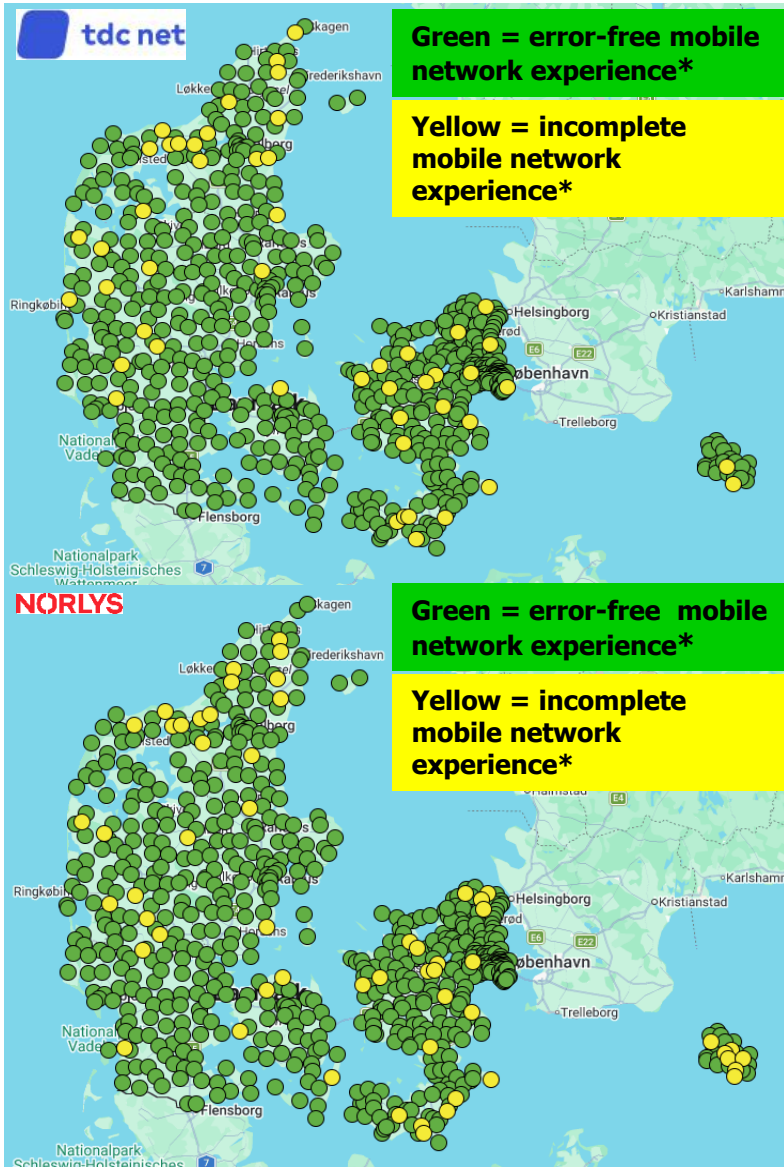
2025 THROUGHOUT DENMARK: 5G PHONE
THE GOOD MOBILE NETWORK EXPERIENCE (%)



*TDC NET defined a good mobile network experience as: 30 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time. Horizontal black lines indicate a 95% statistical confidence interval. In 2025 – 30 MB download within 15 sec. – 30 MB upload within 30 sec.

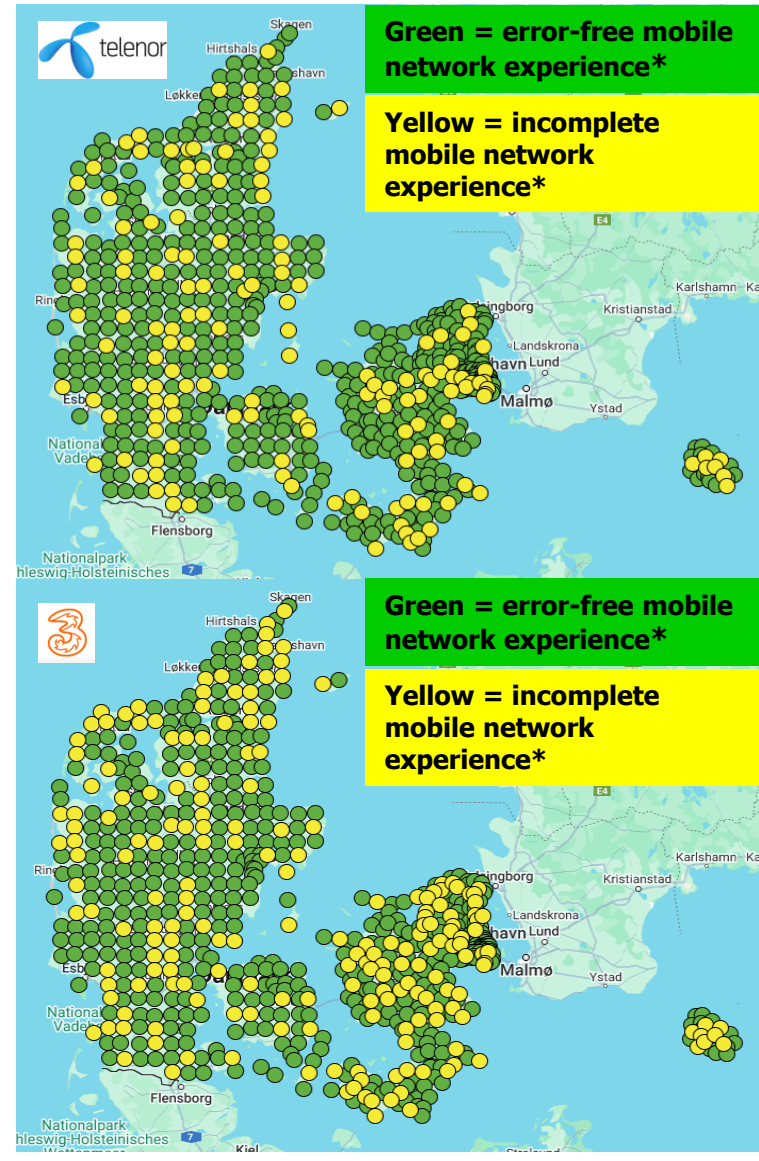
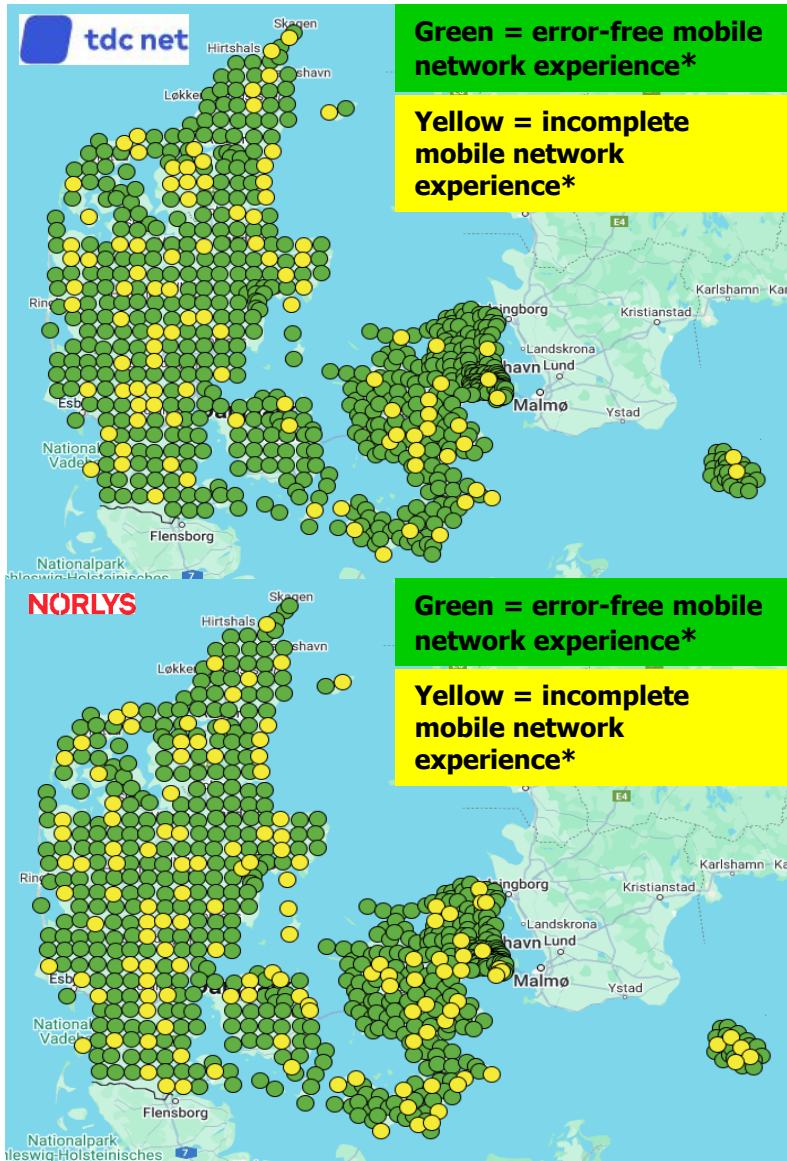


Stationary mobile network experience in 2026 with a 5G phone



*TDC NET defined a good mobile network experience as: 30 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time.

Stationary mobile network experience in 2025 with a 5G phone



*TDC NET defined a good mobile network experience as: 30 sec. error-free mobile phone conversation - 30 MB download within 15 sec. - 30 MB upload within 30 sec. - 60 sec. DR TV without buffering waiting time.

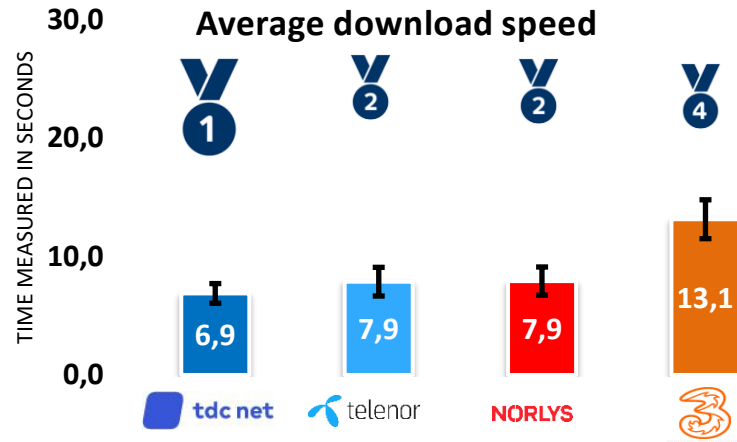
Stationary measurements: National result of download and upload speeds in 2026 with a 5G phone



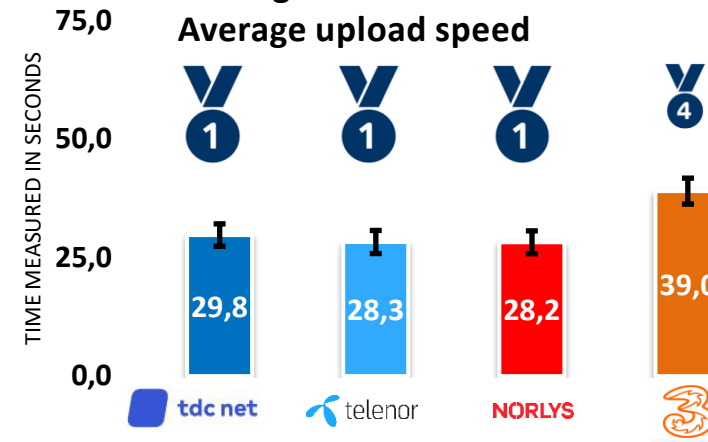
TDC NET has faster and more error-free downloads than Telenor, Norlys, and 3.

In total, TDC NET, Norlys, and Telenor have the same upload speed.

Throughout Denmark:
Average download speed



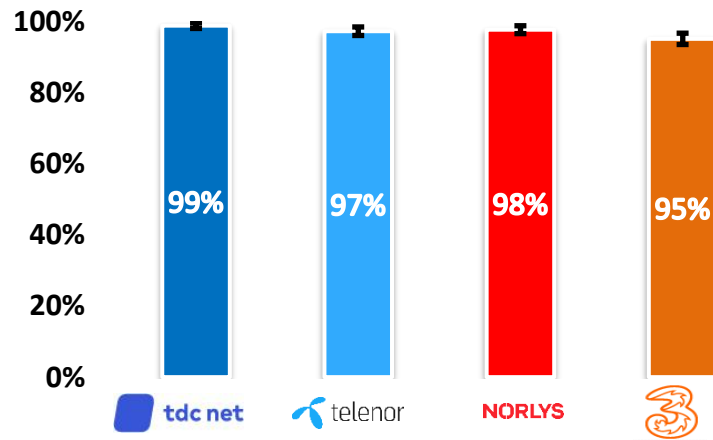
Throughout Denmark:
Average upload speed



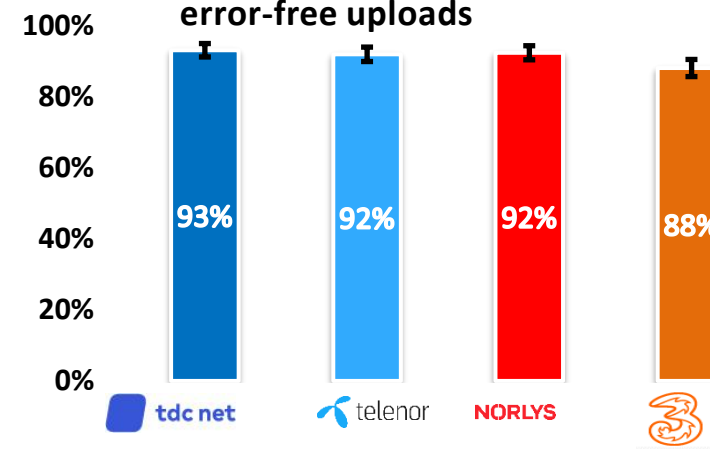
Medals for total assessment of average speed and error-free application

Please note that upload and download speeds were increased to 100 MB in 2026 compared to 30 MB in 2025. Therefore, the upload and download speeds are longer in 2026.

Throughout Denmark: Proportion of error-free downloads



Throughout Denmark: Proportion of error-free uploads

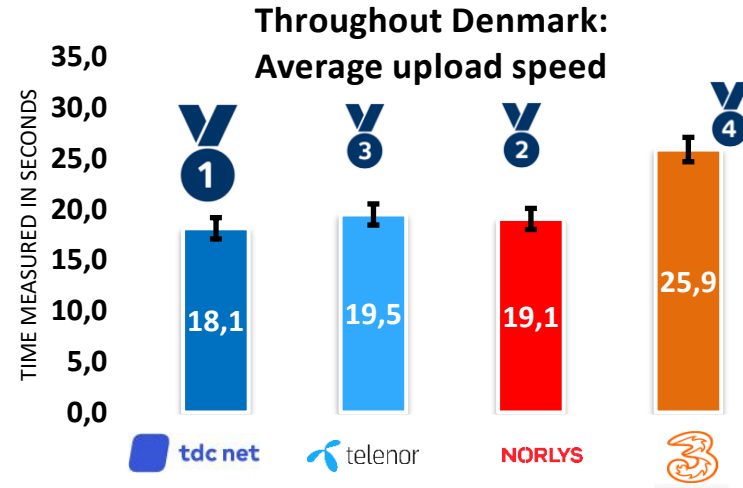
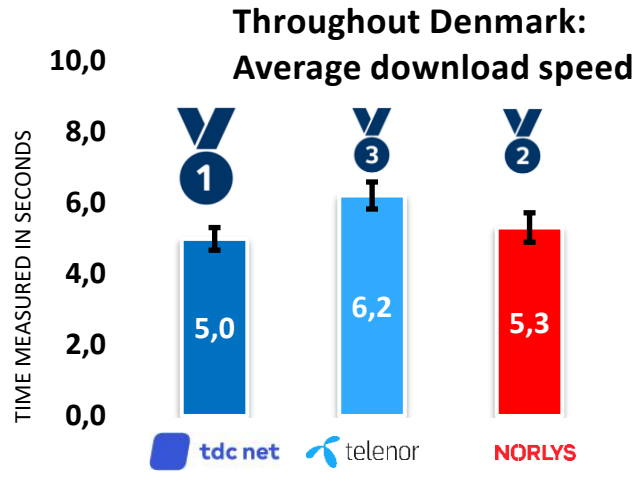


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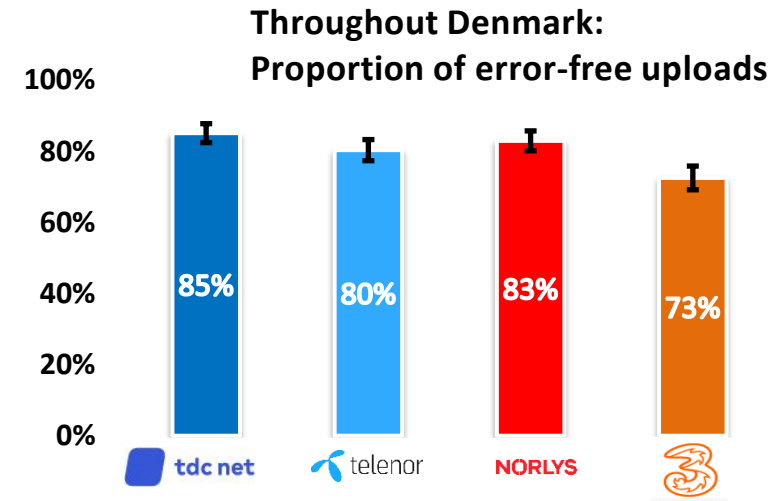
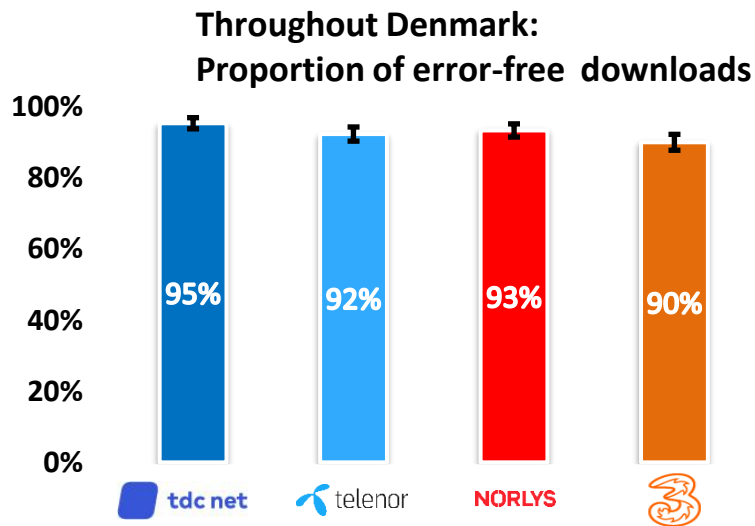


Stationary measurements: National result of download and upload speeds in 2025 with a 5G phone

TDC NET has faster and more error-free downloads and uploads than Telenor, Norlys, and 3.



Medals for total assessment of average speed and error-free application



*TDC NET defined a good mobile network experience as: 30 sec. error-free mobile phone conversation - 30 MB download within 15 sec. - 30 MB upload within 30 sec. - 60 sec. DR TV without buffering waiting time. Vertical black lines indicate a 95% statistical confidence interval.

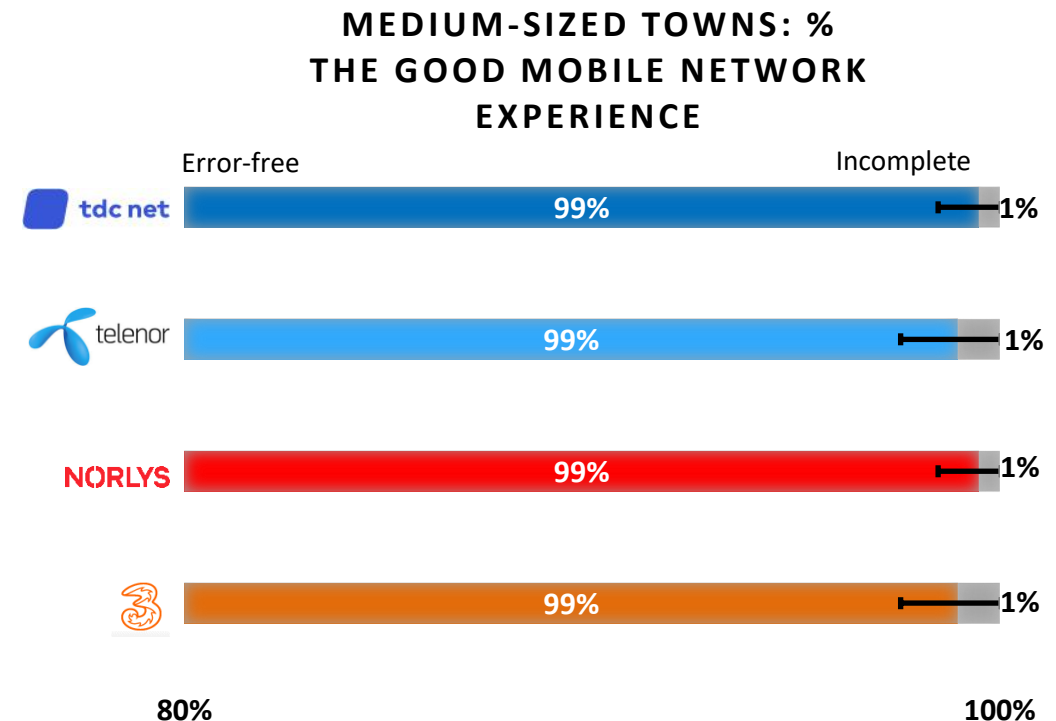
Stationary measurements: Mobile network experience in 2026 with a 5G phone



Cities, medium-sized towns, small towns, and rural areas. Measured in 568 towns.

Cities have a 100% error-free total mobile network experience*

Medium-sized towns have a 99% error-free total mobile network experience*



*TDC NET defined a good mobile network experience as: 30 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time. Horizontal black lines indicate a 95% statistical confidence interval.



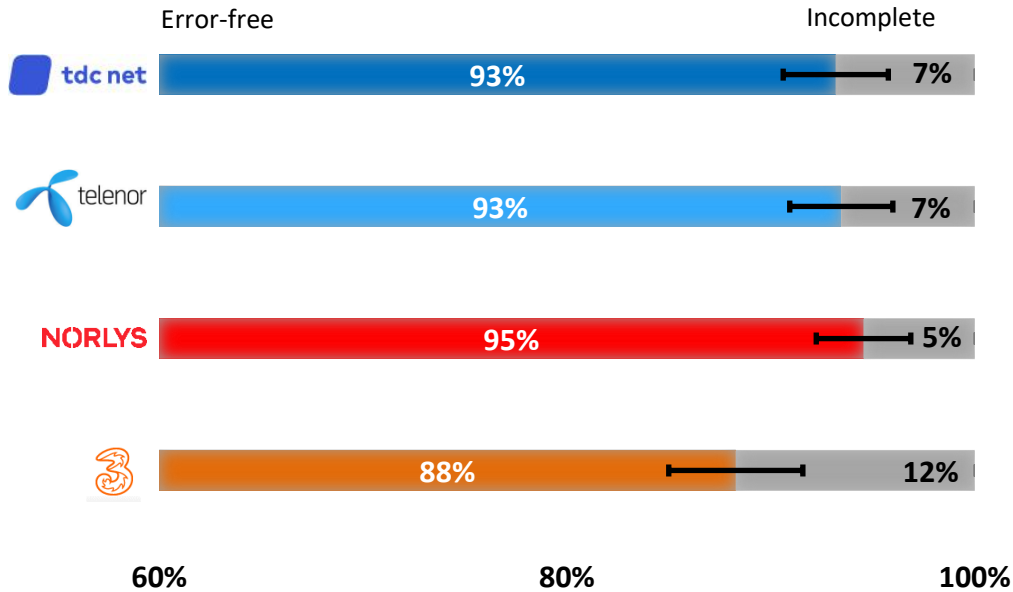
Stationary measurements: Mobile network experience in 2026 with a 5G phone

Cities, medium-sized towns, small towns, and rural areas. Measured in 568 towns.

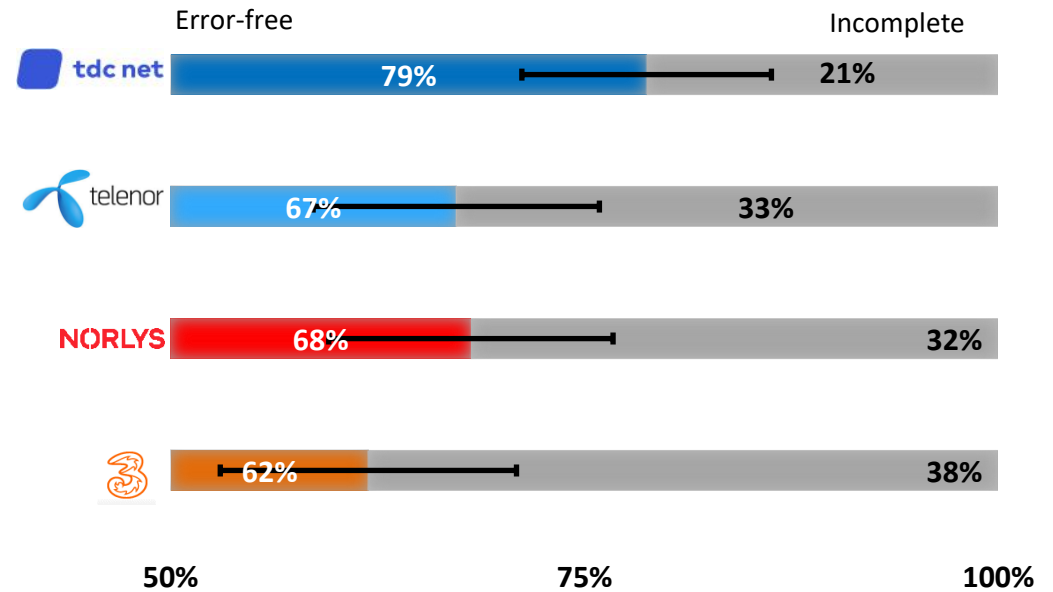
In small towns, Norlys has the best total mobile network experience*

In rural areas, TDC NET has a much better mobile network experience*

SMALL TOWNS: % THE GOOD MOBILE NETWORK EXPERIENCE



RURAL AREAS: % THE GOOD MOBILE NETWORK EXPERIENCE



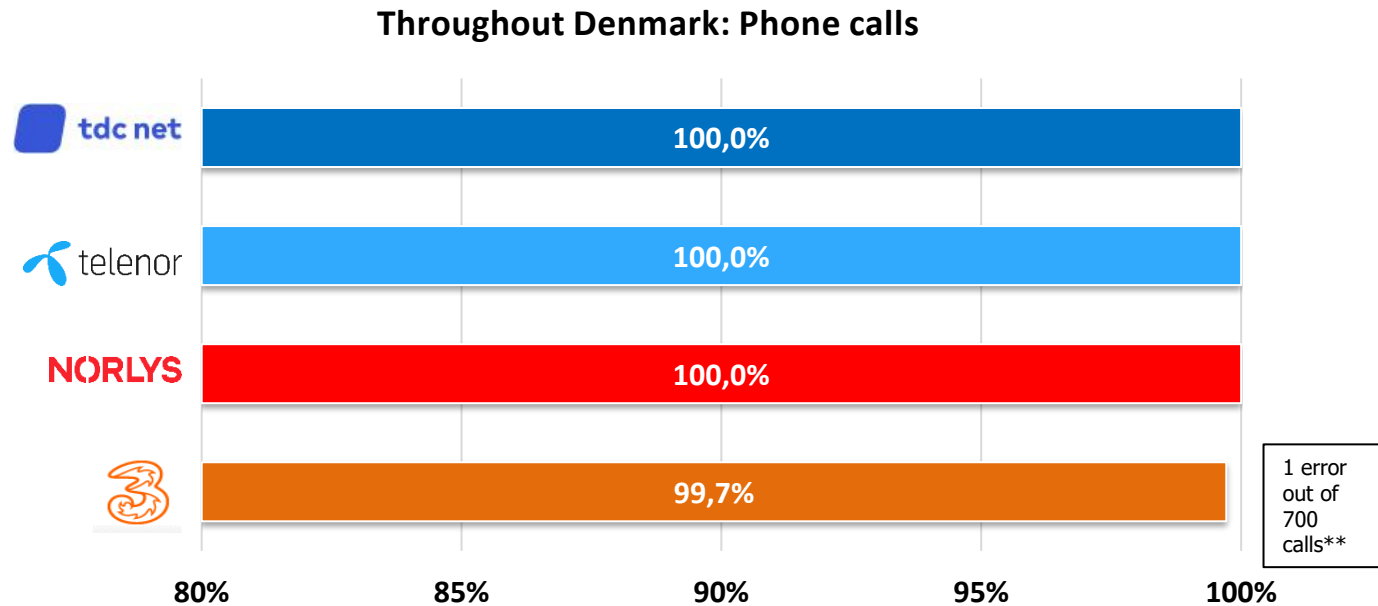
*TDC NET defined a good mobile network experience as: 30 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time. Horizontal black lines indicate a 95% statistical confidence interval.



A van from Danish Technological Institute at one of the randomly selected test locations – here at Agernæs on Funen with Danish vineyards in the background

Stationary measurements: National result of ordinary mobile phone calls in 2026 with a 5G phone

For ordinary mobile phone calls* there are no significant differences between TDC NET, Telenor, Norlys, and 3.



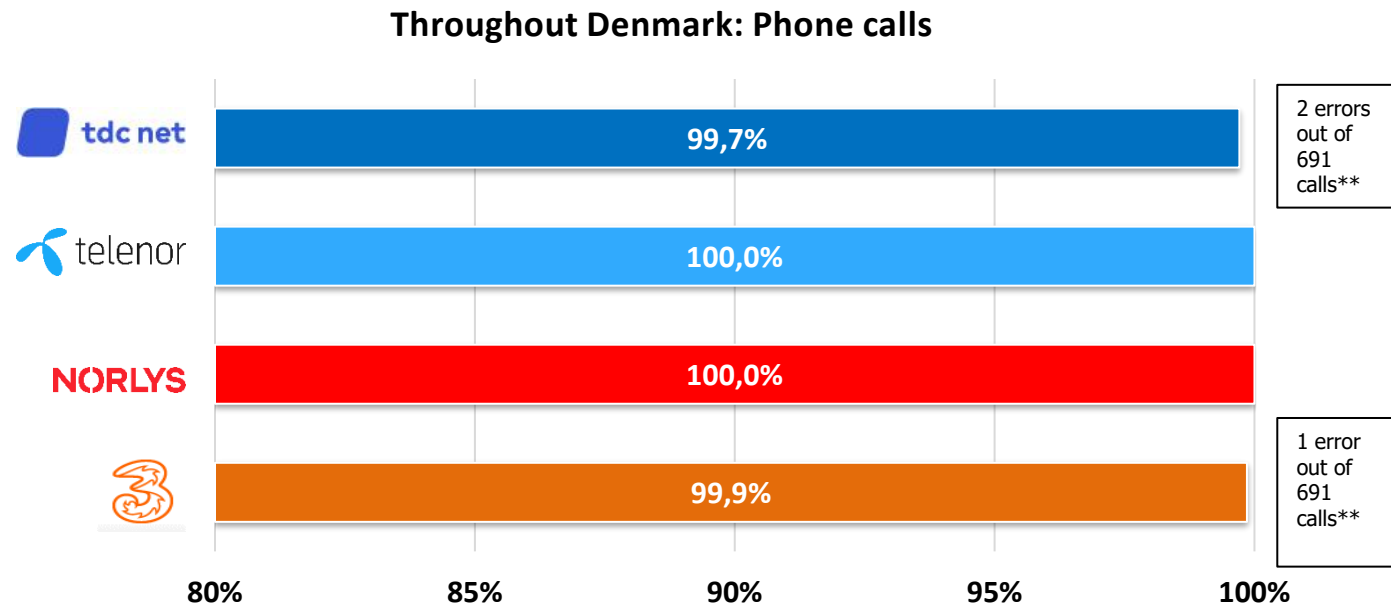
*TDC NET defined a good mobile network experience as: 30 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time.

**In case of error, one redial is made. If the redial is successful, then the phone call is approved.



Stationary measurements: National result of ordinary mobile phone calls in 2025 with a 5G phone

For ordinary mobile phone calls* there are no significant differences between TDC NET, Telenor, Norlys, and 3.



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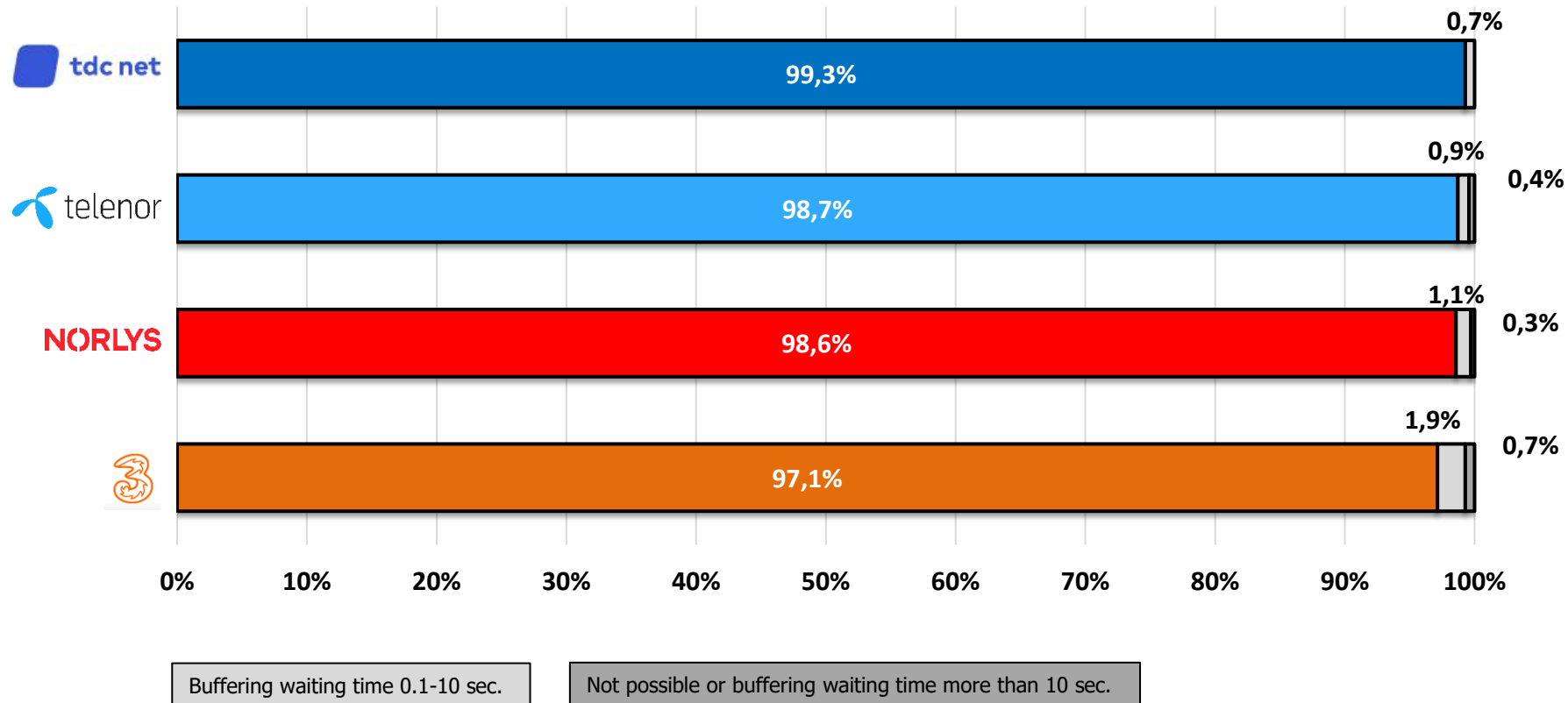
A van from Danish Technological Institute at one of the randomly selected test locations – here at the eastern part of Falster



Stationary measurements: National result of video streaming in 2026 with a 5G phone

Nationally, video streaming is almost error-free. TDC NET has the best video streaming, but there are no significant differences between the individual network providers.

Streaming, throughout Denmark

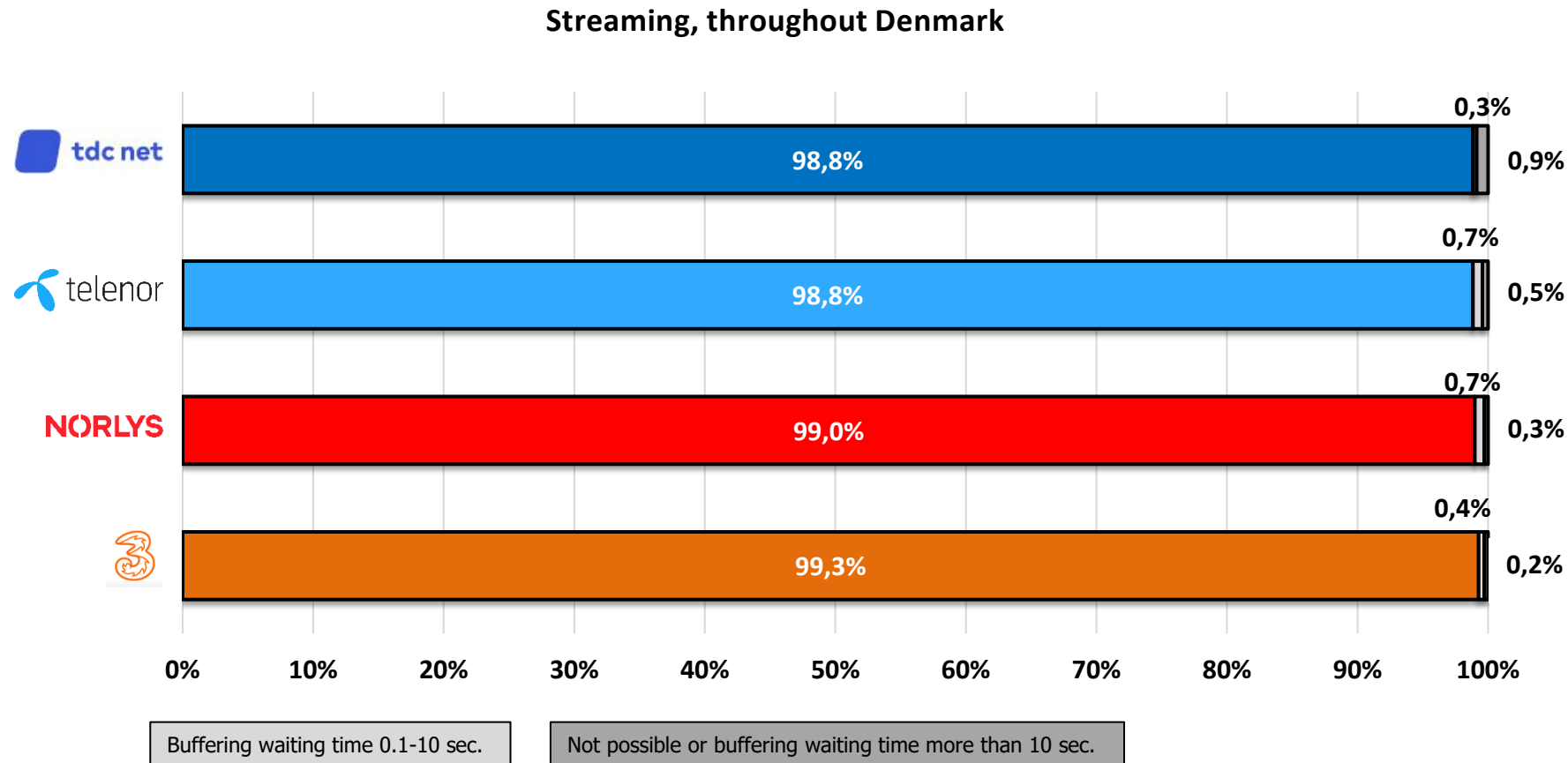


*TDC NET defined a good mobile network experience as: 30 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time.



Stationary measurements: National result of video streaming in 2025 with a 5G phone

Nationally, video streaming is almost error-free. Only small differences have been measured between the individual network providers.



*TDC NET defined a good mobile network experience as: 30 sec. error-free mobile phone conversation - 30 MB download within 15 sec. - 30 MB upload within 30 sec. - 60 sec. DR TV without buffering waiting time.

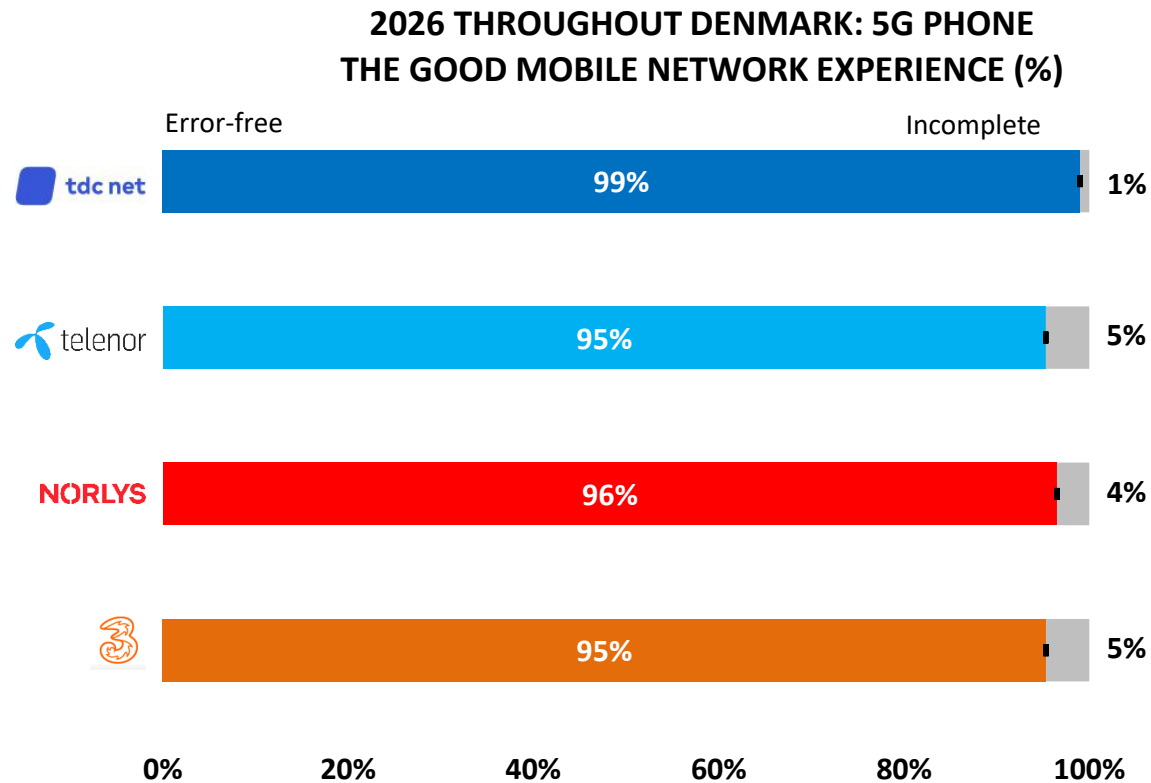


A van from Danish Technological Institute at one of the randomly selected test locations – here at Helgenæs, Syddjurs Municipality



Mobile measurements: National result of mobile network experience in 2026 with a 5G phone

TDC NET has a much better total mobile network experience* than Telenor, Norlys, and 3.



*TDC NET defined a good mobile network experience as: 60 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time. **Horizontal black lines indicate a 95% statistical confidence interval.**

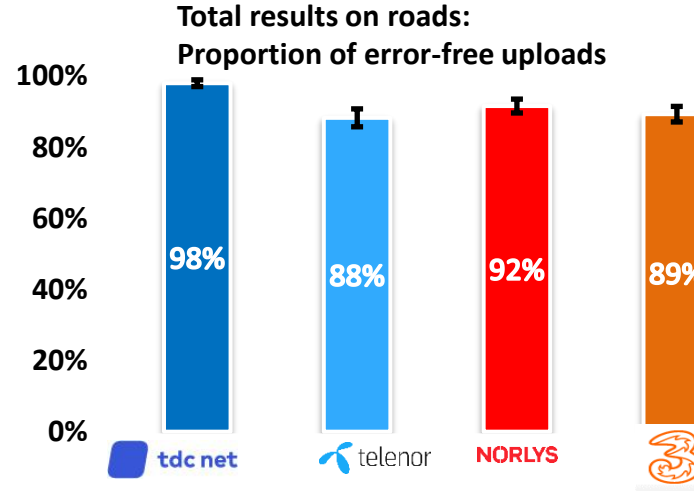
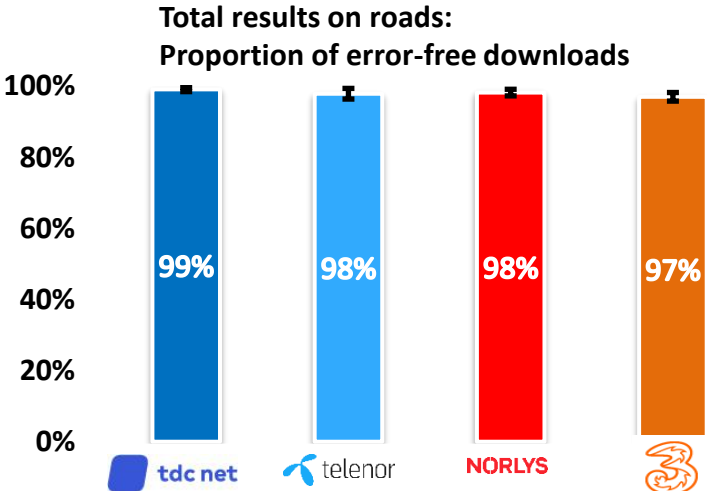
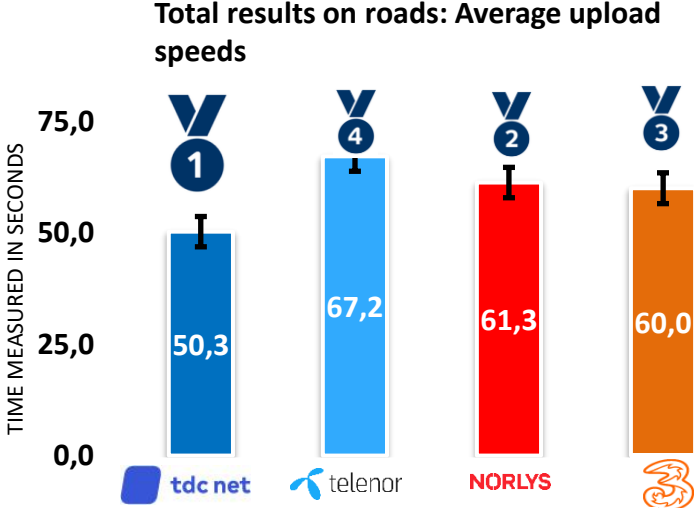
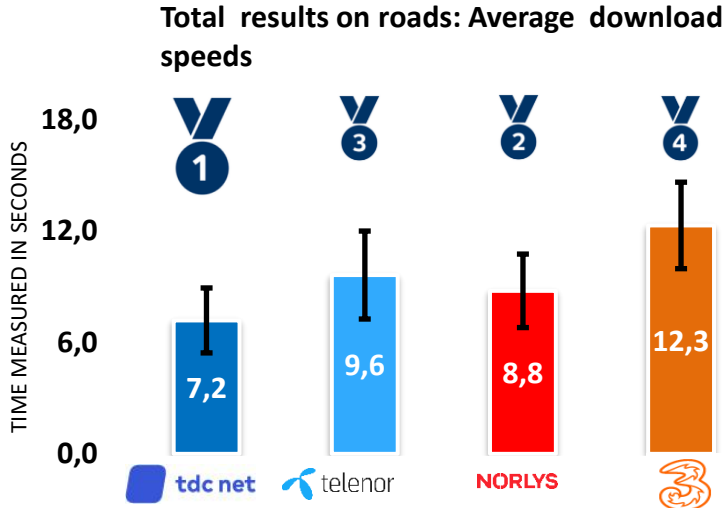


Mobile measurements: National result of download and upload speeds on motorways-main roads-municipal roads in 2026 with a 5G phone

TDC NET has faster and more error-free downloads than Telenor, Norlys, and 3.

TDC NET has much faster and far more error-free uploads than Telenor, Norlys, and 3.

Medals for total assessment of average speed and error-free application



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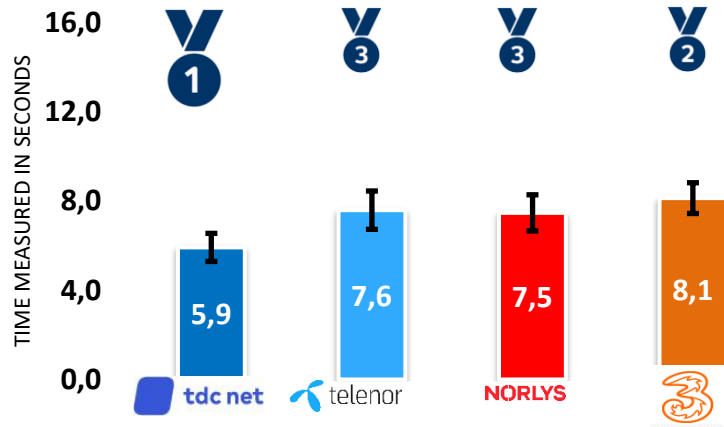
Mobile measurements: National result of download og upload speeds on motorways in 2026 with a 5G phone



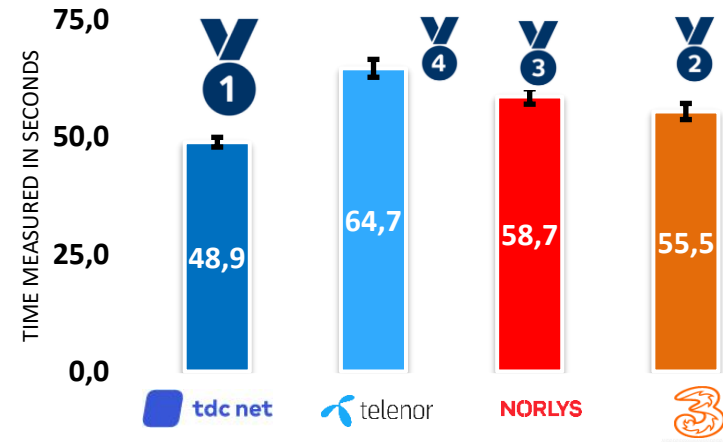
TDC NET has faster downloads than Telenor, Norlys, and 3 on motorways.

TDC NET has much faster and more error-free uploads than Telenor, Norlys, and 3 on motorways.

Motorways: Average download speed

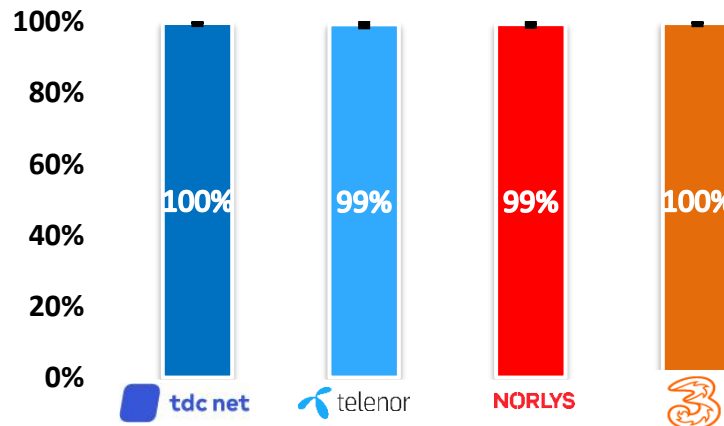


Motorways: Average upload speed

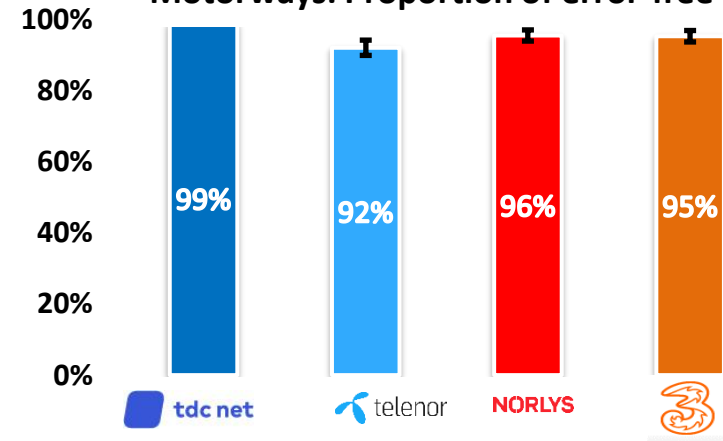


Medals for total assessment of average speed and error-free application

Motorways: Proportion of error-free downloads



Motorways: Proportion of error-free uploads



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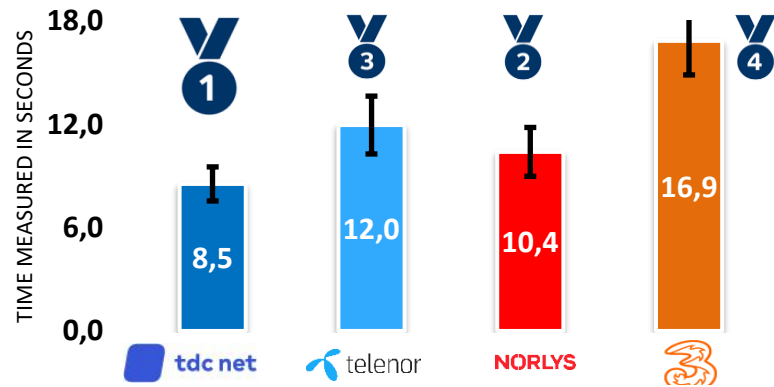
Mobile measurements: National result of download og upload speeds on main roads in 2026 with a 5G phone



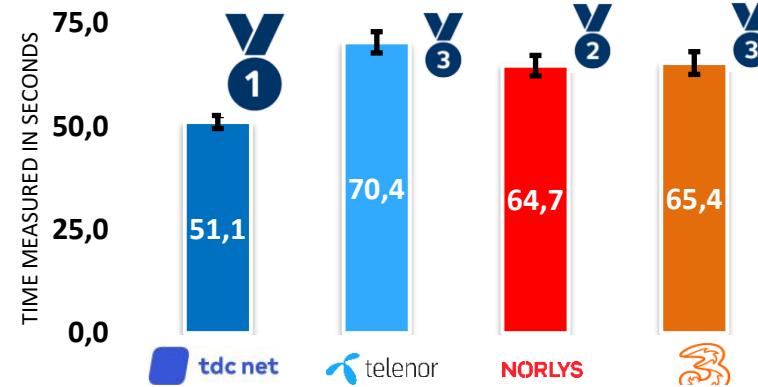
TDC NET has faster and more error-free downloads than Telenor, Norlys, and 3 on main roads.

TDC NET has much faster and far more error-free uploads than Telenor, Norlys, and 3 on main roads.

Main roads: Average download speed

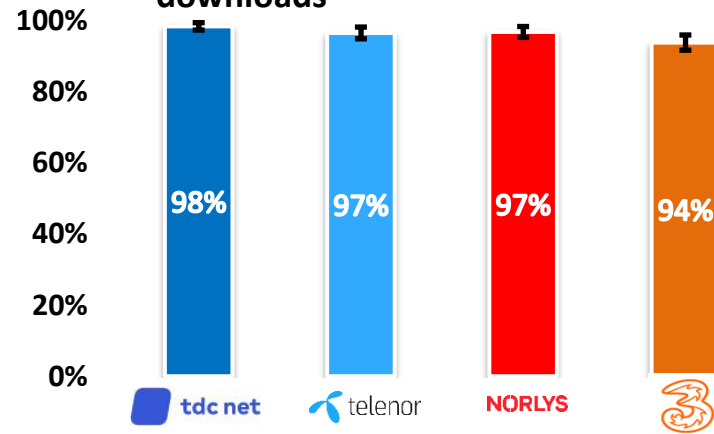


Main roads: Average upload speed

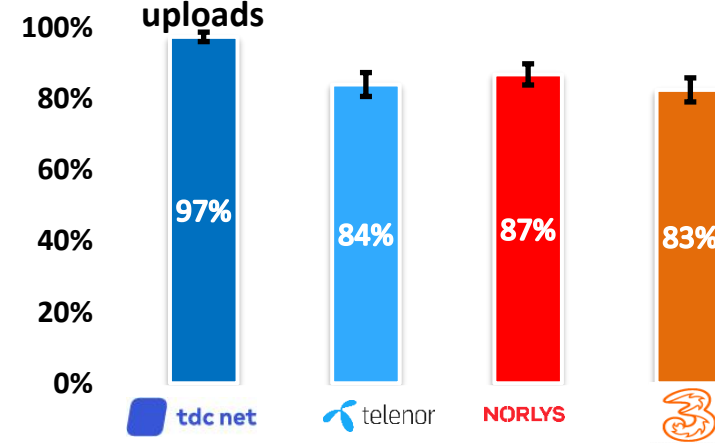


Medals for total assessment of average speed and error-free application

Main roads: Proportion of error-free downloads



Main road: Proportion of error-free uploads



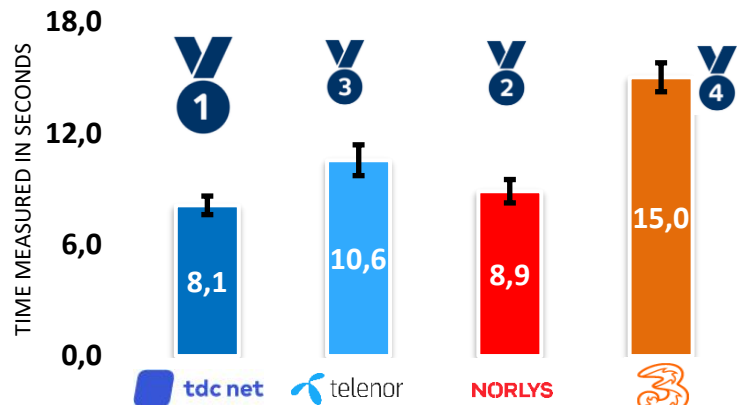
*TDC NET defined a good mobile network experience as: 60 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time. Vertical black lines indicate a 95% statistical confidence interval.

Mobile measurements: National result of download and upload speeds on municipal roads in 2026 with a 5G phone

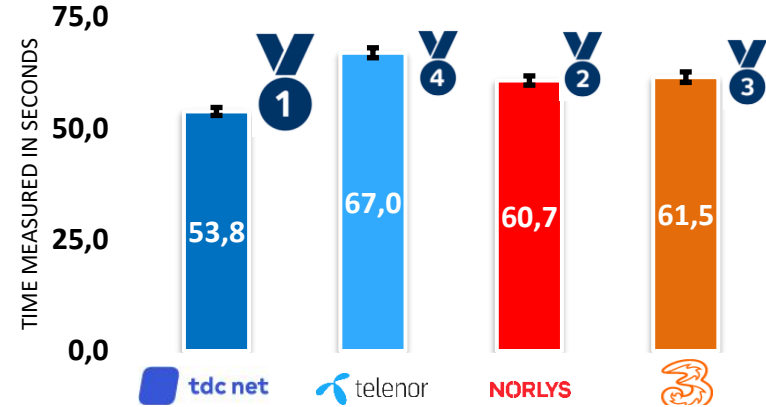
TDC NET has faster and more error-free downloads than Telenor, Norlys, and 3 on municipal roads.

TDC NET has much faster and far more error-free uploads than Telenor, Norlys, and 3 on municipal roads.

Municipal roads: Average download speed

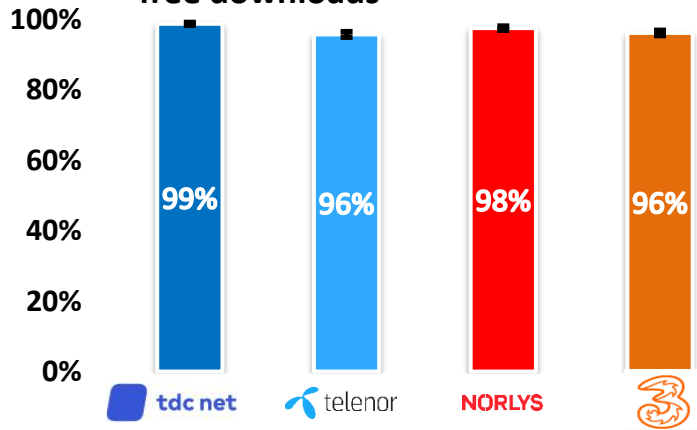


Municipal roads: Average upload speeds

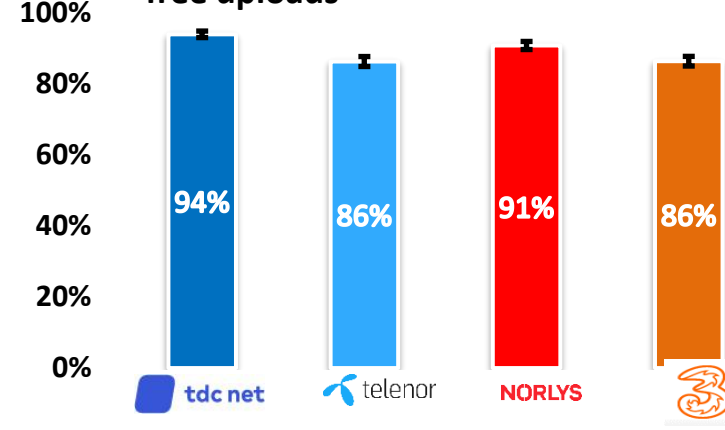


Medals for total assessment of average speed and error-free application

Municipal roads: Proportion of error-free downloads



Municipal roads: Proportion of error-free uploads



*TDC NET defined a good mobile network experience as: 60 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time. Vertical black lines indicate a 95% statistical confidence interval.

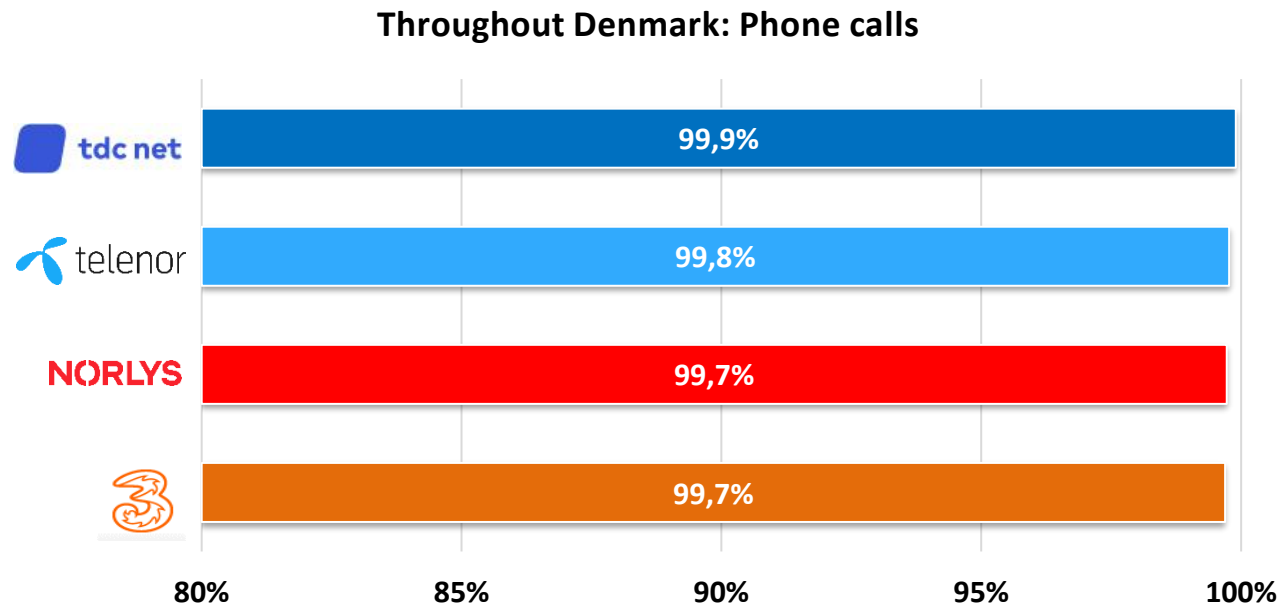


A van from Danish Technological Institute at one of the randomly selected test locations - here between Sennels and Østerlid in North Jutland



Mobile measurements: National result of ordinary mobile phone calls in 2026 with a 5G phone

For ordinary mobile phone calls* there are no significant differences between TDC NET, Telenor, Norlys, and 3.

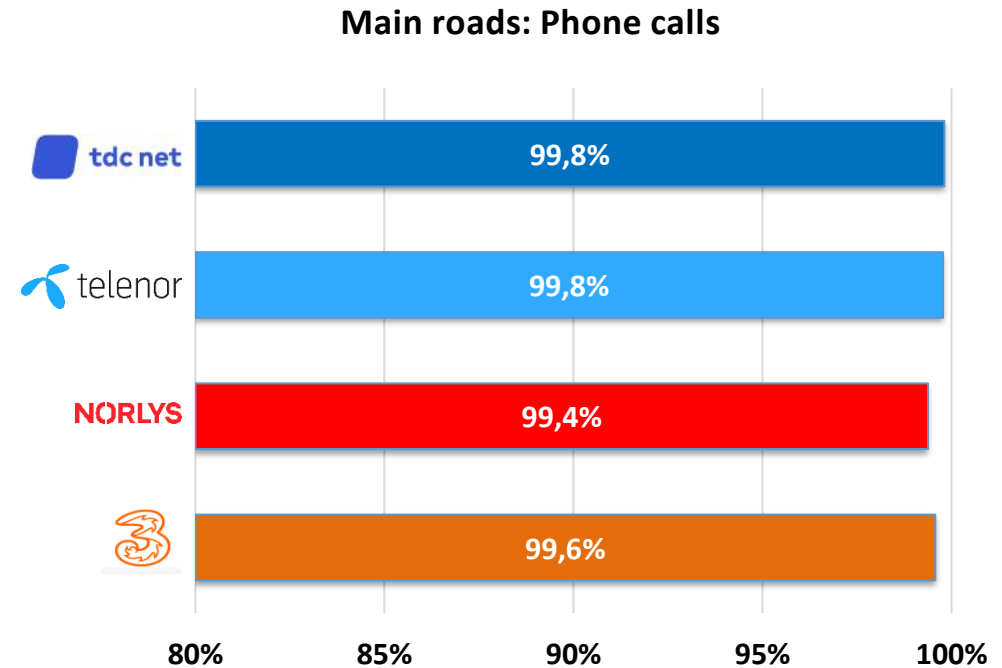
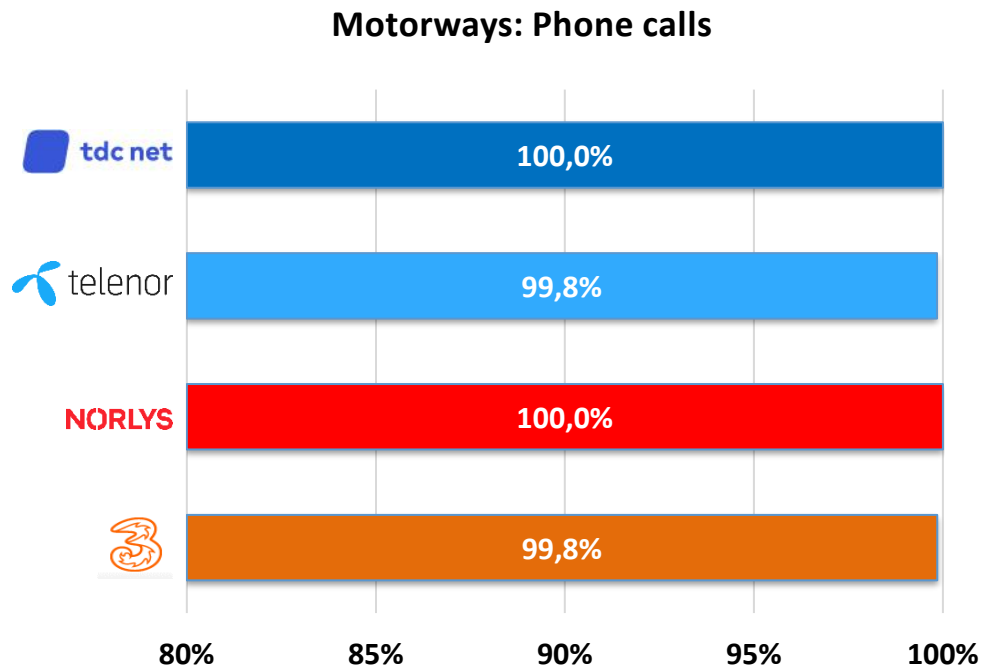


*TDC NET defined a good mobile network experience as: 60 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time. In case of error, no redial was made.



Mobile measurements: Ordinary mobile phone calls in 2026 with a 5G phone

For ordinary mobile phone calls* there are no significant differences between TDC NET, Telenor, Norlys, and 3.

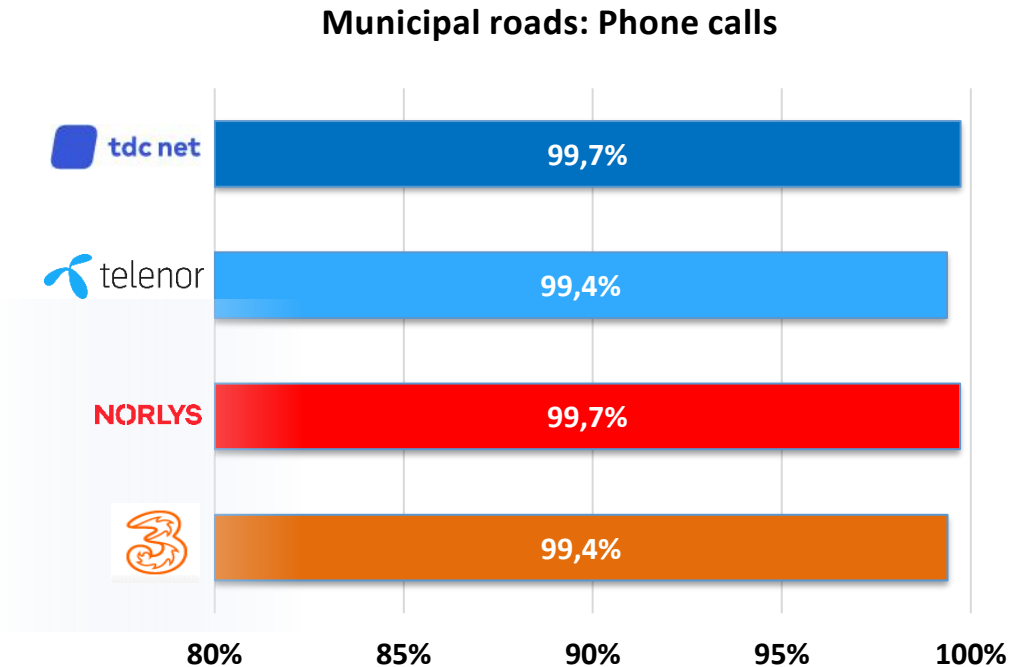


*TDC NET defined a good mobile network experience as: 60 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time.



Mobile measurements: Ordinary mobile phone calls in 2026 with a 5G phone

For ordinary mobile phone calls* there are no significant differences between TDC NET, Telenor, Norlys, and 3.



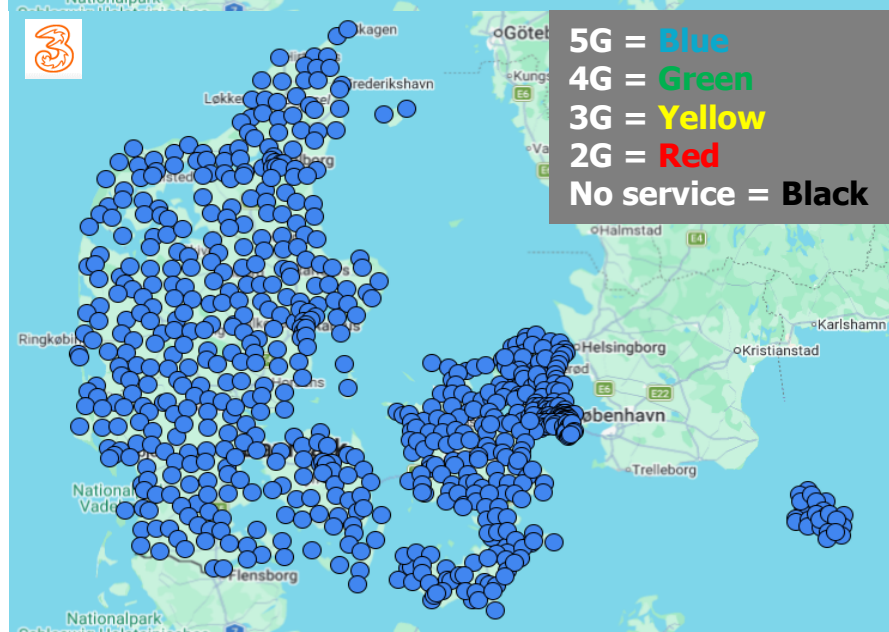
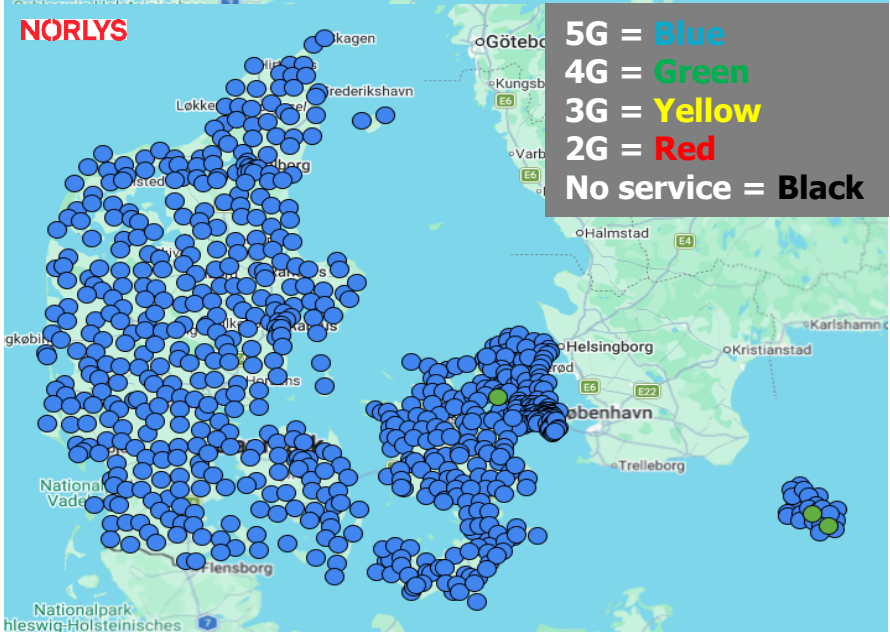
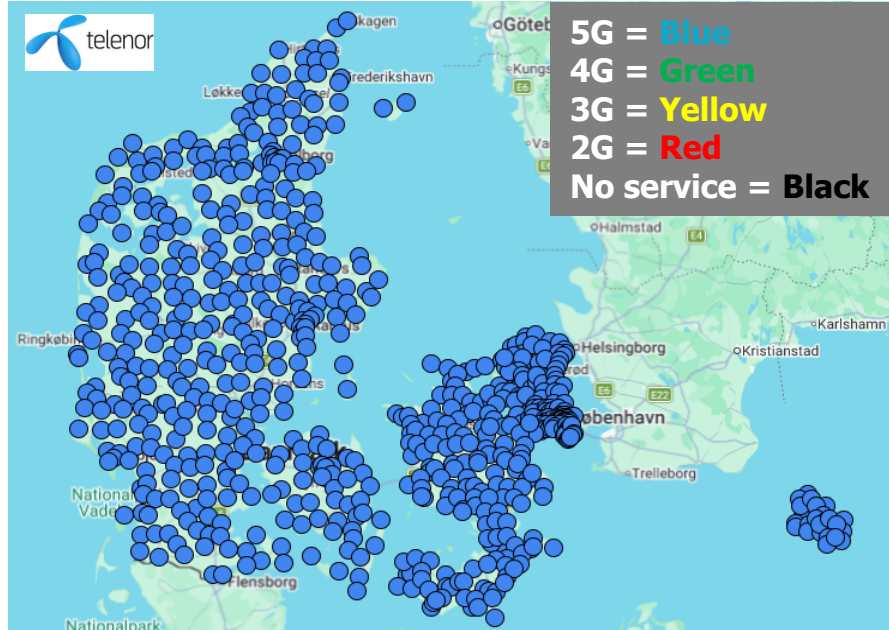
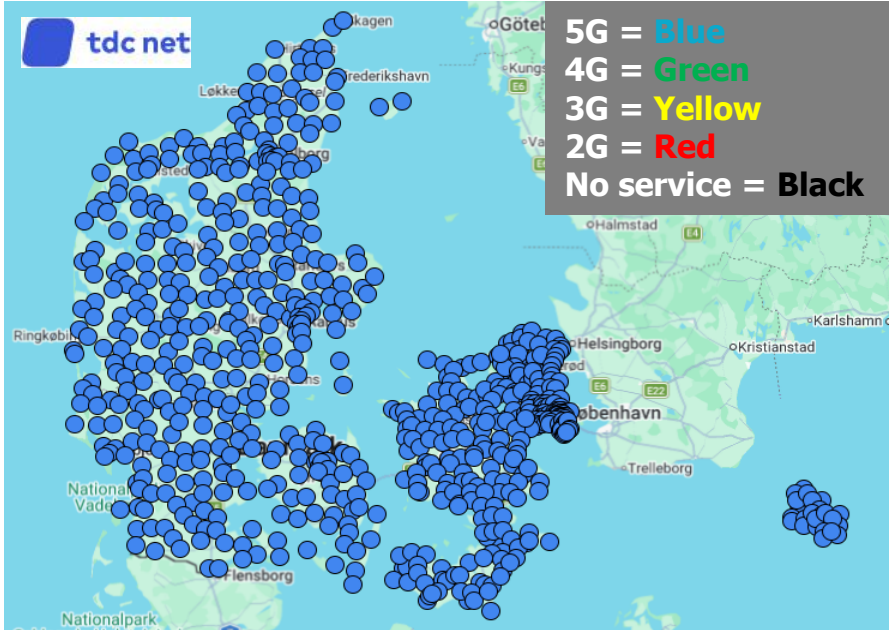
*TDC NET defined a good mobile network experience as: 60 sec. error-free mobile phone conversation - 100 MB download within 60 sec. - 100 MB upload within 110 sec. - 60 sec. DR TV without buffering waiting time.



A van from Danish Technological Institute at one of the randomly selected test locations – her at Vang Havn on Bornholm with Hammershus in the background

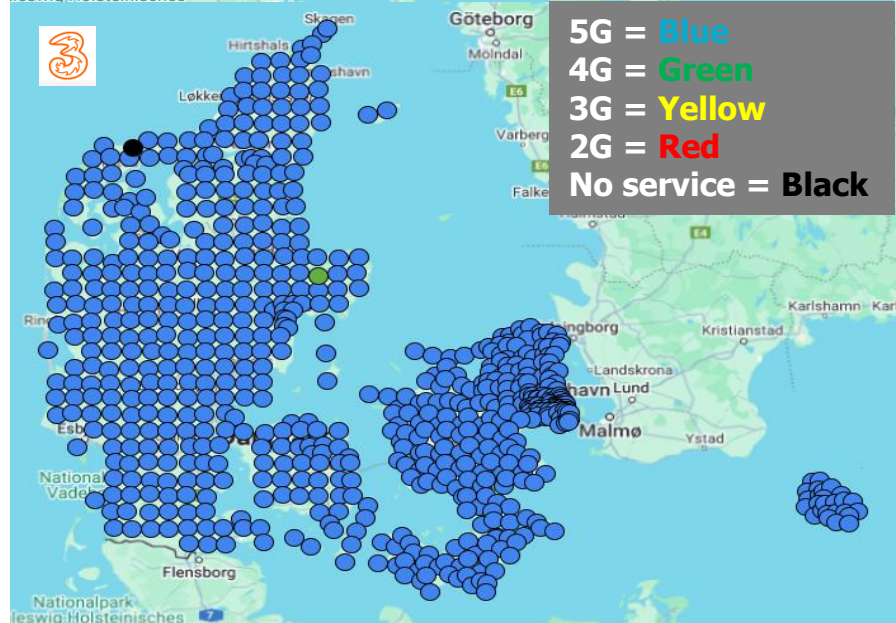
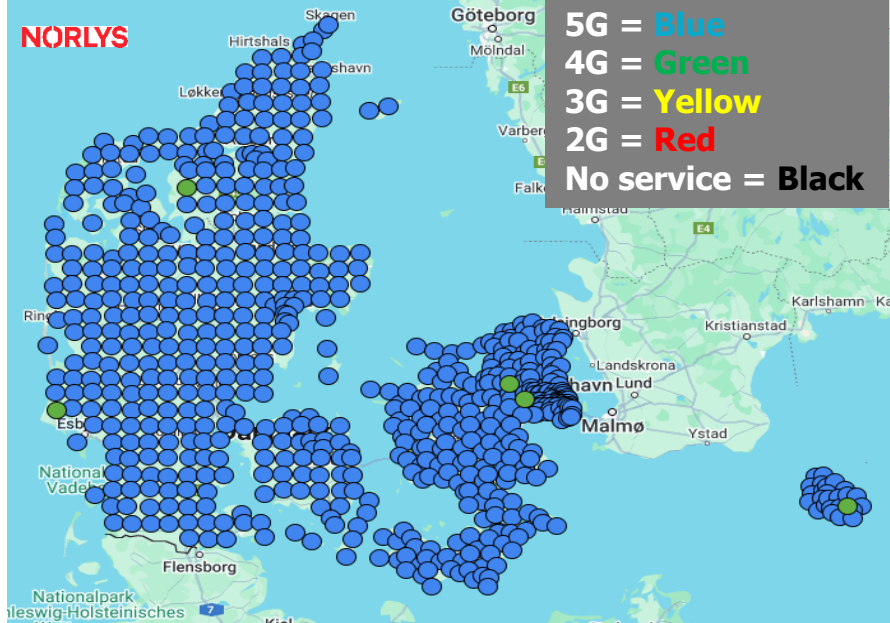
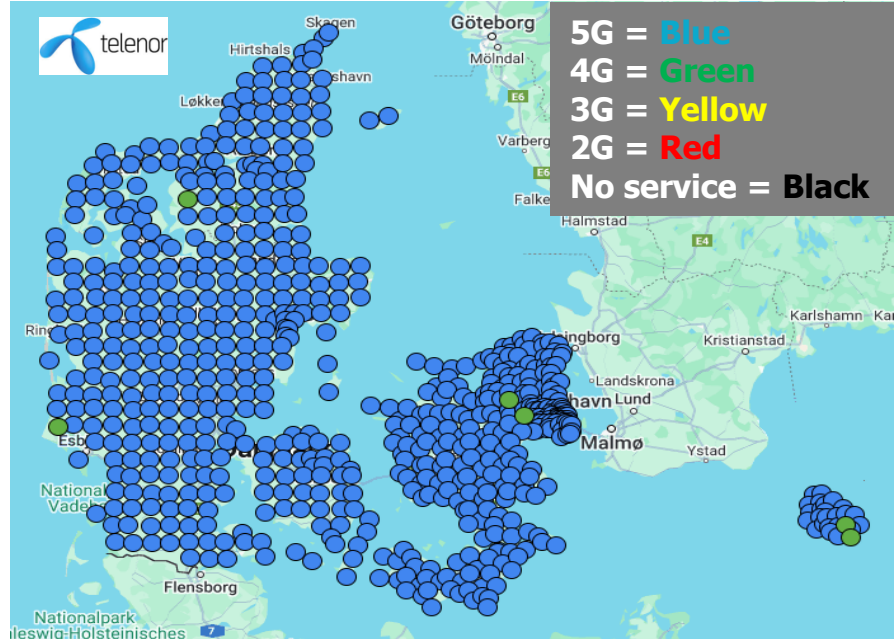
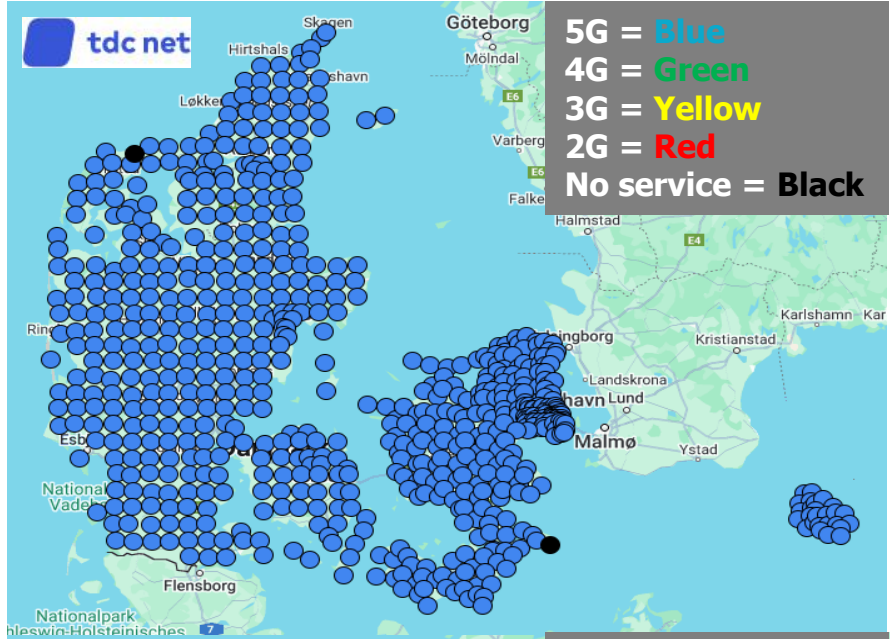


2026: Stationary access to 5G, 4G, 3G, and 2G with a 5G phone





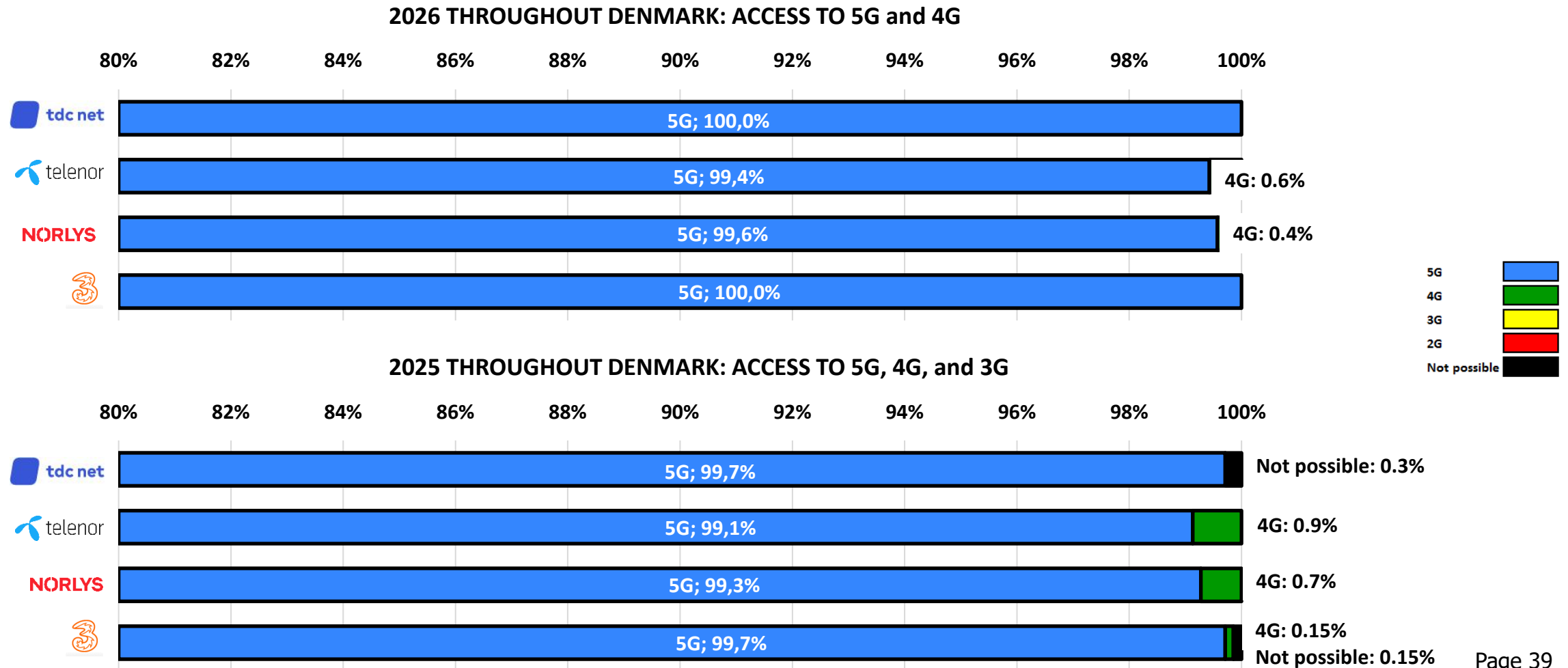
2025: Stationary access to 5G, 4G, 3G, and 2G with a 5G phone





Stationary measurements: National result of stationary access to 5G and 4G in 2026 and 2025 with a 5G phone

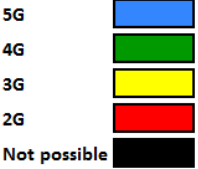
Very small differences in access to 5G. TDC NET and 3 have 100% access to 5G. Norlys has 99.6% and Telenor has 99.4% access to 5G.



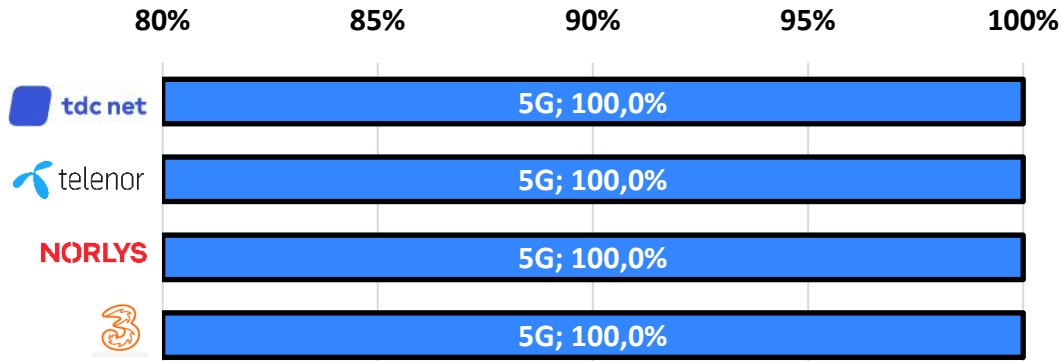


Stationary measurements: Access to 5G and 4G in 2026 with a 5G phone

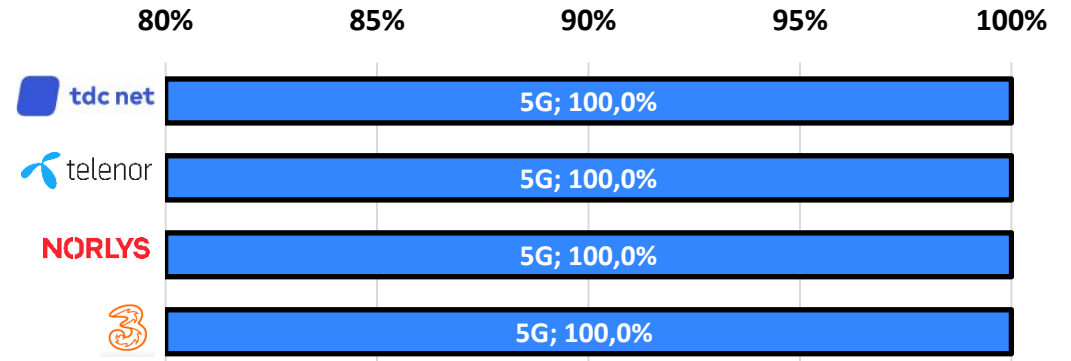
Very small differences in access to 5G in the cities, but in the rural areas TDC NET and 3 have best access to 5G.



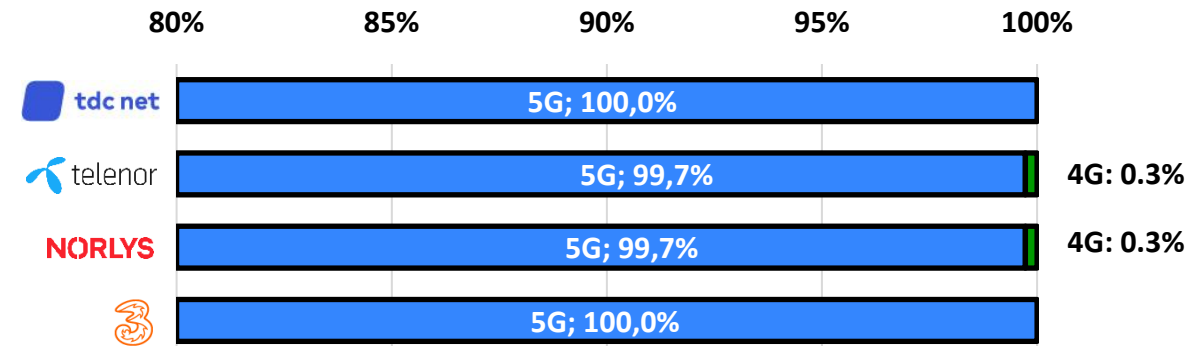
CITIES: ACCESS TO 5G and 4G



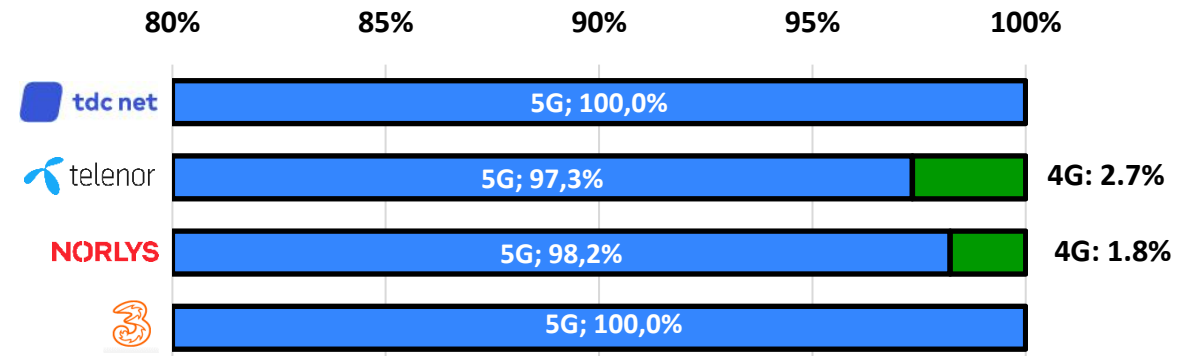
MEDIUM-SIZED TOWNS: ACCESS TO 5G and 4G



SMALL TOWNS: ACCESS TO 5G and 4G



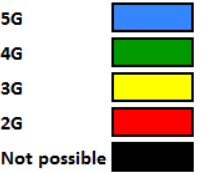
RURAL AREAS: ACCESS TO 5G and 4G



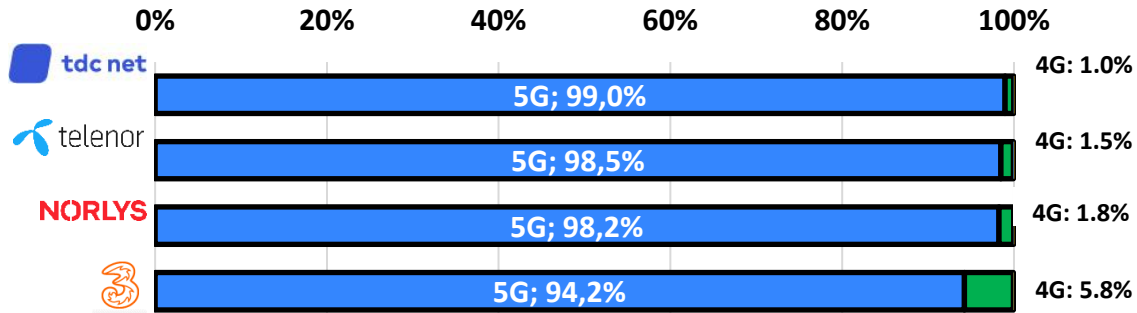


Mobile measurements: Access to 5G and 4G in 2026 with a 5G phone

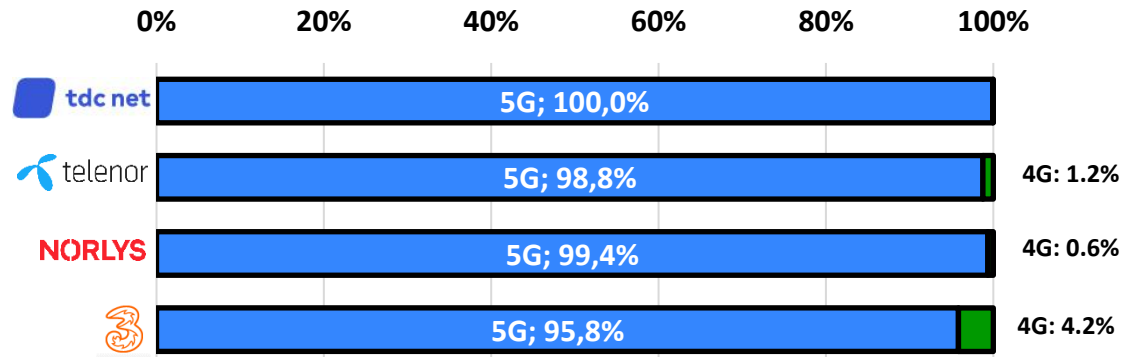
TDC NET has best access to 5G on motorways, main roads, and municipal roads.



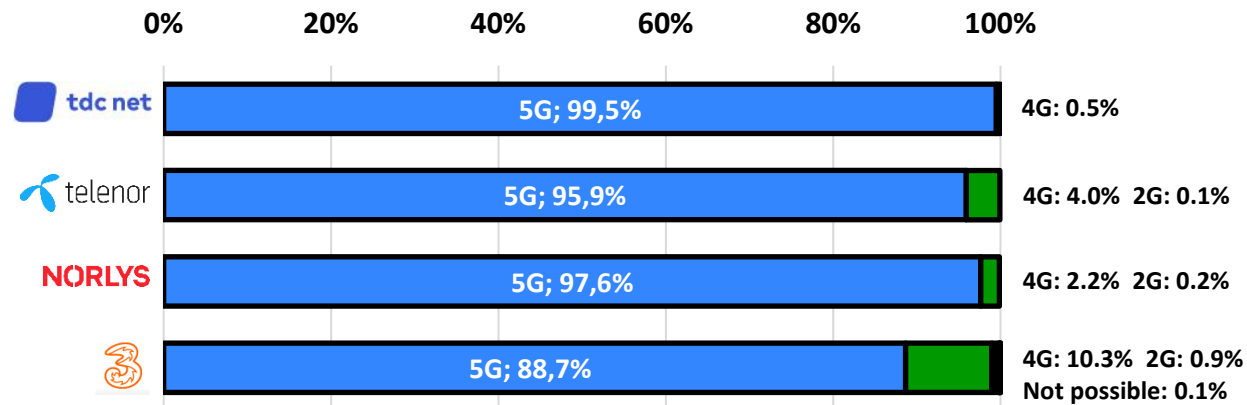
2026 THROUGHOUT DENMARK WEIGHTED: ACCESS TO 5G, 4G, and 2G



MOTORWAYS: ACCESS TO 5G and 4G



MAIN ROADS: ACCESS TO 5G, 4G, and 2G



MUNICIPAL ROADS: ACCESS TO 5G, 4G, and 2G

