There's still hope that the U.S. can get back in the global LTE speed race. This year, we've seen operators improve their speeds as they upgrade their networks.

One of the reasons T-Mobile has made such big speed gains in recent years is it has improved its latency. By moving from 2G to LTE, they can start shutting down 2G networks and putting that spectrum to work in its devices. This allows them to boost individual blocks of spectrum that can support much more 4G capacity and much faster speeds.

For 4G, the U.S. suffers because U.S. operators don’t have big blocks of spectrum to tie together. Another technique to tie multiple spectrum bands together, allowing them to boost individual connection speeds is much higher.

There are critical to voice over LTE (VoLTE) as a lower network reaction time means a better mobile experience. All four major operators saw improvements to their network today. The majority of voice calls still go over 2G networks, but as U.S. operators move that over to LTE, they can start shutting down 2G networks and use that spectrum effectively.

The trusted global standard for mobile experience.

State of Mobile Networks: USA (February 2016)

Highlights

- Operators can now access videos and photos using high-speed data.
- LTE connection speeds are driven down.
- One major provider that currently has no VoLTE services, Sprint.
- The majority of voice calls still go over 2G networks, but as U.S. operators move that over to LTE, they can start shutting down 2G networks and use that spectrum effectively.

Awards Table

<table>
<thead>
<tr>
<th>Brand</th>
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<td>T-Mobile</td>
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Performance by Metric

- **Download Speed: 4G**
  - T-Mobile: 15%
  - Verizon: 3 Mbps
  - AT&T: 9 Mbps
  - Sprint: 3 Mbps

- **Latency: 4G**
  - T-Mobile: 60 ms
  - Verizon: 92 ms
  - AT&T: 60 ms
  - Sprint: 60 ms

- **Download Speed: 3G**
  - T-Mobile: 9 Mbps
  - Verizon: 15%
  - AT&T: 15%
  - Sprint: 15%

- **Latency: 3G**
  - T-Mobile: 15%
  - Verizon: 15%
  - AT&T: 15%
  - Sprint: 15%

Analysis

- The U.S. has lost its technology edge over the past decade. The U.S. 4G market is a clear exception to this trend. The U.S. is the only market in the top 10 that can go beyond 30 Mbps, but the U.S. is not keeping up with the world's quickening LTE pace.

One final metric we would like to explore is latency, which measures the time it takes for data to make a round trip through the network. Low latency is important to overall mobile experience. The U.S. 4G subscribers can expect to connect to broadband infrastructures in the world. U.S. 4G users can expect to connect to the trusted global standard for mobile experience.

Recent United States Reports

- **Dec 31, 2017**
  - **Report Title**: The trusted global standard for mobile experience.
  - **Report Description**: The trusted global standard for mobile experience.

The trusted global standard for mobile experience.