4G LTE TECHNICAL BENEFITS OVERVIEW

4G LTE: The Fastest, Most Advanced 4G Network in America

Speed and reliability matter when it comes to a wireless network. That’s why Verizon Wireless has chosen Long Term Evolution (LTE) as its fourth-generation (4G) network technology. You expect more from your wireless network, and LTE will deliver. The following is just a sample of what Verizon 4G LTE can do for you.

Blazingly fast. Brilliantly powerful.
Verizon 4G LTE will support download and upload rates up to 10 times faster than our existing 3G technology. 4G LTE delivers speeds of 5 to 12 Mbps from network to device and 2 to 5 Mbps from device to network. Plus, you can take advantage of more bandwidth and better throughput enabled by 4G LTE to access data-intensive applications, and stream video and other media in real time. With these speeds, you’ll be able to communicate in new and innovative ways.

<table>
<thead>
<tr>
<th></th>
<th>1xRTT</th>
<th>1xEV-DO Rel. 0</th>
<th>1xEV-DO Rev. A</th>
<th>4G LTE</th>
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</thead>
<tbody>
<tr>
<td><strong>Average user throughput</strong></td>
<td>60–80 Kbps (downlink)</td>
<td>400–700 Kbps (downlink)</td>
<td>600–1,400 Kbps (downlink)</td>
<td>5–12 Mbps (downlink)</td>
</tr>
<tr>
<td></td>
<td>60–80 Kbps (uplink)</td>
<td>60–80 Kbps (uplink)</td>
<td>500–800 Kbps (uplink)</td>
<td>2–5 Mbps (uplink)</td>
</tr>
</tbody>
</table>

Lower latency.
Lower latency in LTE contributes to a better user experience. 4G LTE delivers a latency below 50 ms, so you can now enjoy a fast, real-time connection through the network.
A reliable network.
We developed a reputation for wireless reliability with our 3G network. Our 4G LTE network promises to continue that tradition. Our 4G LTE network offers a superior, consistent environment throughout the country wherever it’s deployed. And our 4G LTE network features a sophisticated backhaul design that can handle data loads from the most demanding mobile devices and applications. An all-IP, flat, fiber-based backhaul enhances the reliability of our 4G LTE network while providing on-demand scalability.

Simultaneous user support.
With existing 3G technology, only one user can be serviced on the downlink in any given time slot. LTE can service up to 50 users in a given time slot, which provides you a better, real-time experience. This simultaneous user support feature also makes widespread embedded applications and systems possible.

Improved compatibility.
We understand that it can be challenging to integrate the wide array of devices and network technologies used throughout your enterprise. Our 4G LTE network helps improve overall network compatibility by using an IP Multimedia Subsystem (IMS) Core. This IMS Core provides service compatibility across disparate network technologies, including global wireline, wireless, fiber and private networks. It also delivers seamless data connections as you move back and forth from our 4G LTE network to our 3G EV-DO Rev. A network.

Increased security.
The Verizon Wireless network is a secure network. LTE won’t change that. In fact, LTE will provide enhanced security through strong mutual authentication, user identity confidentiality, along with other security enhancements, making it even more secure than existing 3G technologies. And with 4G LTE’s secure device programming feature, enabled by the world’s first Bearer Independent Protocol (BIP) implementation, you’re able to update devices and network programming quickly, easily and securely over the Internet.

Taking advantage of a global standard.
LTE has an adoption advantage over competing 4G technologies, with major worldwide network operators on board, such as Vodafone, China Mobile and DOCOMO.

Superior global mobility.
We also see a need for devices with inherent global mobility, and over the coming months, we will introduce a number of great products to meet this need. 4G LTE features a single, removable subscriber identity that allows your users to share credentials between both CDMA and GSM devices. This means less time spent fussing with your global device and more time spent using it to accomplish your business goals.

Developing and deploying LTE-capable devices.
We expect LTE to usher in a whole new era of “connected devices” that, by the very nature of them being connected, will open up new opportunities to improve your life. Over the past year, we’ve fostered programs and initiatives designed to take advantage of LTE’s capabilities and bring new, innovative devices to market. Our Open Development program stimulates the creation of new and nontraditional advanced wireless devices, applications and services that take advantage of LTE’s capabilities. Similarly, our machine-to-machine (M2M) initiatives look to spark the development and deployment of advanced data solutions, such as smart metering, vehicle telemetry, medical device connections and more—all made possible through LTE.

Developer support programs and initiatives.
Our goal is to attract premium partners and make Verizon Wireless the first place that developers come to sell products that take advantage of LTE’s capabilities—and, ultimately, the first place that you’ll come to for 4G LTE services. That’s why we’ve created programs and initiatives designed to spur and support 4G LTE development.

The Wholesale Applications Community (WAC) is one of these support programs, where we’ve partnered with 68 other industry leaders, such as Vodafone, China Mobile, Telefonica and more, to provide developers a “write once, publish to a billion” environment for mobile 4G LTE applications.

Our Verizon Developer Community (VDC) helps developers create applications that take full advantage of our 4G LTE wireless network. The VDC provides application developers and our Business Solution Alliance members the platforms, tools and resources they need to build innovative 4G mobile apps, such as software development kits (SDKs) and application programming interfaces (APIs). The VDC also offers testing, certification and
a streamlined go-to-market process to place new 4G apps in our V CAST apps store. We feel the VDC is more than just an apps store; it’s a support system that helps developers get their 4G applications to market quickly and easily.

Our LTE Innovation Center is another developer support program focused on bringing the benefits of LTE to devices, especially in consumer electronics.

**Enabling mass deployment.**
With LTE, mass deployment of wireless services and applications, such as VoIP, smart metering, vending and telematics, is now practical. LTE’s inherent support for IPv6 Dual Stack addressing, along with backwards compatibility with existing IPv4 systems, and IMSI-based telephone number identifiers makes mass implementations over LTE more easily achievable. The deployment of large numbers of mobile devices (think potentially tens of thousands) becomes much more feasible because of LTE’s use of 15-digit IMSI telephone number identifiers for large-scale deployments, such as M2M or embedded wireless applications. 3G network technologies were limited by their use of 10-digit telephone number identifiers, which made large-scale deployments more difficult.

It’s the ultimate 4G network. From the ultimate wireless network.

To learn more about Verizon 4G LTE and what it can do for your business, go to [verizonwireless.com/4glte](http://verizonwireless.com/4glte) or speak with your Verizon Wireless business specialist.
THE LARGEST HIGH-SPEED WIRELESS NETWORK IN AMERICA.

4G LTE Markets and 3G Data Coverage Map - with over 130 additional 4G LTE markets launching in 2011.

Important Map Information:
This map does not guarantee coverage. This map depicts predicted and approximate wireless coverage, and may contain areas with limited or no service. Even within a coverage area, many factors, including network capacity, your device, terrain, proximity to buildings, foliage and weather, may affect availability and quality of service. The Nationwide, Canada, and Mexico Rate and Coverage Areas may include networks run by other carriers; some of the coverage depicted is based on their information and public sources and we cannot guarantee its accuracy. See verizonwireless.com/coveragelocator for additional information.

Headset Banner Information
"Extended Network" or "Roaming": Included Features and Optional Services may not be available.

For an airport list and the most up-to-date list of 4G markets, visit verizonwireless.com/4GLTE
4G LTE FREQUENTLY ASKED QUESTIONS

Verizon 4G LTE

What is 4G? 4G refers to fourth-generation wireless standard. First generation was analog, second was digital and the third and current generation, or 3G, is multimedia broadband. 4G is an all Internet Protocol (IP), packet-switched ultra-broadband standard. The 4G technology standards allow users to take advantage of more bandwidth and better throughput and enable traditionally wired applications on wireless devices, including data-intensive business applications, real-time video and streaming media, video messaging, video telephony, mobile TV and gaming.

What is LTE? Long Term Evolution (LTE) is our technology choice for our 4G wireless network. It uses an all-IP, flat, fiber-based backhaul that enhances reliability and on-demand scalability. LTE will help Verizon Wireless continue to meet both business and consumer demands for a higher-bandwidth, low-latency service that will work broadly in the United States. And eventually, LTE will deliver superior global mobility, since the majority of carriers around the world have chosen it as their long-term direction as well.

What are the benefits of Verizon 4G LTE? LTE brings with it numerous benefits that will provide a responsiveness similar to wireline connections. Because it’s a global standard, users will be able to use just one device for domestic and global communications.1 And enhanced security means data is protected better than ever.

LTE also delivers much better performance than 3G technology. It supports faster download and upload rates, and has significantly lower latency for a fast, real-time connection.

Another benefit of LTE technology is that it will create possibilities for all kinds of innovative devices and applications. We expect LTE to usher in a whole new era of connected devices and applications that, by the very nature of them being connected, will open up new opportunities to improve your life. Over the past year, we’ve fostered programs and initiatives designed to take advantage of LTE’s capabilities and bring new, innovative devices and applications to market.

What is the difference between LTE and WiMAX technology? WiMAX is an evolution of fixed technology modified for the mobile broadband environment, versus LTE, which evolved directly from mobile broadband. LTE was chosen by Verizon Wireless because of the global roaming potential made possible by the widespread adoption of LTE by other carriers around the globe, as well as its unparalleled performance capabilities.

What are the anticipated speeds of Verizon 4G LTE? Data speeds will increase significantly. Average network-to-device speeds will range from 5 to 12 Mbps and device-to-network speeds will range from 2 to 5 Mbps (which are up to 10 times faster than our existing 3G network), with an expected average round-trip latency below 50 ms within the Verizon Wireless network. This increased network performance will enable access to data-intensive applications, such as high-resolution multimedia and video collaboration, made available in a wireless mobile environment.

1 Global capabilities not available at launch.
Verizon Wireless has currently deployed its 4G LTE network in 38 markets throughout the United States, covering 110 million people. In subsequent years, an equally aggressive growth plan will result in nationwide coverage by 2013. LTE has been selected by over 300 mobile operators (as of February 2011) around the world as their global technology for 4G services.

Verizon Wireless supports IPv6 Dual Stack for both future growth and backwards compatibility with existing IPv4 systems, which means vastly more numeric addresses will become available as the Internet continues to grow. Plus, our IP Multimedia Subsystem (IMS) Core provides service compatibility across disparate networks, including global wireline, wireless, fiber and private networks.

Where will I be able to use Verizon 4G LTE?

Verizon Wireless has currently deployed its 4G LTE network in 38 markets throughout the United States, covering 110 million people. In subsequent years, an equally aggressive growth plan will result in nationwide coverage by 2013. LTE has been selected by over 300 mobile operators (as of February 2011) around the world as their global technology for 4G services.

Can I use my current Verizon Wireless device on the 4G LTE network?

No. Since LTE is a new technology, 3G devices are not compatible with the Verizon Wireless 4G LTE network. However, dual- and tri-mode (4G/3G) devices will be available, providing the best customer experience, regardless of network. And you can take advantage of wireless data session handoffs between 4G LTE and 3G EV-DO and compatibility between GSM and CDMA networks for better business performance.

How will the 4G SIM card technology affect the user experience?

The 4G SIM card stores the user’s account subscription and authentication credentials and has the capability of being moved from device to device and lets you share credentials between both CDMA and GSM devices. This provides the freedom and flexibility to use multiple wireless devices on the same subscription. In addition to traditional handset devices, the 4G SIM card will eventually enable consumers to operate devices such as game consoles, video camcorders and consumer electronics and appliances, as well as monitor building energy use and security on our 4G network.

What about security?

LTE provides enhanced security on multiple levels, including secure storage of credentials and data on SIM cards; mutual authentication between the 4G SIM and the network; 128-bit root keys instead of 64-bit keys; creation of session-specific encryption keys for signaling and subscriber data; and additional algorithms to check data integrity.

For further details about our 4G LTE network, please visit verizonwireless.com/4glte or ask your Verizon Wireless business specialist for the following materials:

+ White paper: Verizon 4G LTE: The Future of Mobile Broadband Technology
+ White paper: Verizon Wireless Network Security
+ Tech brief: Verizon 4G LTE: The Next Generation Network
+ Overview slick: 4G LTE Technical Benefits Overview
Verizon 4G LTE: The Next-Generation Network

Introduction.

Long Term Evolution (LTE) is going to reshape the wireless industry. Not only will LTE expand the types of applications that can be used on wireless devices, but its implementation will open the networks to new and unique devices. LTE is the technology we’ve chosen for our fourth-generation (4G) wireless network. First generation was analog, second was digital, and the third generation, or 3G, is multimedia broadband. 4G LTE is ultrabroadband.

Of the major U.S. wireless carriers who have chosen a 4G network technology, Verizon Wireless, AT&T, and T-Mobile have opted for LTE, while Sprint has gone with World Interoperability for Microwave Access (WiMAX). LTE has a major advantage over WiMAX in that LTE is emerging as the global standard for wireless carriers worldwide.

Verizon Wireless launched its 4G LTE mobile network in a number of major U.S. markets supporting mobile data devices in late 2010 with handset deployment following in early 2011. In subsequent years, an equally aggressive growth plan will result in full nationwide coverage in 2013.

Why we chose LTE.

Verizon Wireless chose LTE as its next-generation technology because LTE:

+ Will have the speed to run bandwidth-intensive applications.
+ Is the global mobile communication standard chosen by a majority of the world’s leading carriers, which means compatible network technology worldwide.
+ Devices are interoperable with existing mainstream cellular technologies.
+ Has low latency to support real-time applications (average 30 ms end-to-end round trip delay).
+ Is highly secure.

<table>
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<tr>
<th>4G LTE performance</th>
<th>4G LTE enhancements</th>
<th>4G LTE innovation</th>
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<tbody>
<tr>
<td>+ Higher data rates</td>
<td>+ A global standard</td>
<td>+ Innovative 4G apps</td>
</tr>
<tr>
<td>+ Lower latency</td>
<td>+ National spectrum</td>
<td>+ New LTE-capable devices</td>
</tr>
<tr>
<td>+ Simultaneous user support</td>
<td>+ One device for home and abroad</td>
<td>+ Developer support programs</td>
</tr>
<tr>
<td></td>
<td>+ Increased security</td>
<td>+ Mass deployment enablement</td>
</tr>
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</table>

A quick overview of LTE benefits and improvements.
**LTE’s higher data rates and latency.**

While actual network loads will impact performance, average user throughput speeds for LTE are expected to be 5 Mbps to 12 Mbps for download and 2 Mbps to 5 Mbps for upload, comparable to landline broadband speeds. Under this scenario, you could download an album’s worth of MP3 files or an entire audio book in about a minute at average throughput speeds. LTE will also feature reduced latency, down from 120 ms in 1xEV-DO Rev. A to approximately 30 ms with LTE.

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<td><strong>Average user data rates</strong></td>
<td>60–80 Kbps download 60–80 Kbps upload</td>
<td>400–700 Kbps download 60–80 Kbps upload</td>
<td>600–1,400 Kbps download 500–800 Kbps upload</td>
<td>5–12 Mbps download 2–5 Mbps upload</td>
</tr>
<tr>
<td><strong>Latency</strong></td>
<td>≈120ms</td>
<td>≈120ms</td>
<td>≈30ms</td>
<td></td>
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</tbody>
</table>

The evolution of the Verizon Wireless network.

**LTE security enhancements.**

LTE includes a number of security enhancements that make it even more secure than existing 3G technologies. The following chart describes many of the new security enhancements available in LTE:

- **Secure storage**: LTE’s SIM card stores the user’s credentials and secure data needed to access network services, including data and applications.

- **Mutual authentication**: In an LTE network, the network authenticates the user identity and the user equipment authenticates the network credentials. Mutual authentication is necessary to protect against attacks, including attacks from rogue base stations.

- **Root key length**: Longer bit keys double the key’s strength and requires a greater effort to break through the security algorithm. All keys used for crypto-algorithms in LTE are 128 bits in length.

- **Security context**: Keys to encrypt signaling and User Plane (UP) data are created for data session on the Verizon Wireless LTE network. These keys are retained for an active session, but get deleted in idle mode or a handover to another LTE cell site. Handover to another cell site occurs only after security is activated.
Integrity protection: Integrity protection is used to verify the signaling has not been modified over the radio access interface and that the origin of signaling data is the one claimed. Essentially each signaling message is appended with an integrity tag, and only upon verification of the integrity by the receiving end the message is accepted.

Airlink encryption: In the Verizon Wireless LTE network, three encryption options are used between the network and the user equipment before communications take place. The order of negotiation is AES, SNOW3G, and then Null.

LTE devices and applications.

LTE will spur the development of new, innovative devices designed to take full advantage of the network’s increased performance and enhancements. Plus, it will improve the performance of a wide array of business applications in use on today’s 3G networks, such as:

<table>
<thead>
<tr>
<th>Mobile Office</th>
<th>Sales Force Automation</th>
<th>Field Force Management</th>
<th>Smart Metering</th>
<th>Telematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Take the office on the road.</td>
<td>Automate the mobile sales process.</td>
<td>Improve field worker efficiency and productivity.</td>
<td>Automate meter reading.</td>
<td>Vehicle data collection and service delivery.</td>
</tr>
</tbody>
</table>

Going forward, LTE establishes a base from which new business models, products, and services will be launched. Now, applications such as rich multimedia content, “on-demand anything,” real-time video collaboration, “everything as a service,” and more are now made possible.

Conclusion.

4G will change the way you do business. Your business depends on data and data access, sharing information, and fostering a collaborative, connected work environment. 4G amplifies the strength of business teams and groups by improving individual performance, enhancing communications, and finding innovative ways to exchange business information.

LTE’s high speeds, low latency, and security enhancements mean that you’ll be able to run virtually any application imaginable on a mobile device. High-definition video. Real-time video conferencing. Video telephony. Voice over Internet Protocol. Telematics and telemetry. The technology limitations that have kept many applications immobilized are now history.

For business, the 4G network represents a powerful evolution of an already great 3G network. As business needs evolve and change, the Verizon Wireless network will continue to evolve, change, and become more powerful. Today, 4G represents the culmination of a new level of service that can unlock the potential of every individual contributor with a great new business idea.

For a more in-depth overview of the Verizon Wireless LTE network, please reference the white paper titled LTE: The Future of Mobile Broadband Technology.

To learn more about Verizon 4G LTE and what it can do for your business, go to verizonwireless.com/4glte or speak with your Verizon Wireless business specialist.
The Verizon Wireless private network offers many features to help enterprise customers manage their mobile workforce more efficiently, including:

+ Support for enterprise-owned private IP or public IP address assignment.
+ Data traffic segregation.
+ Redundancy support via dual direct connection provides for robust connectivity (optional).
+ Mobile IP with mobile IP roaming support.

Benefits of the Verizon Wireless private network for enterprise customers include:

+ Enhances workforce mobility by providing flexibility and ease of management, with a secure connection in a single turnkey network solution.
+ Segregates enterprise traffic from public network elements of the Internet and assigns them to enterprise-specific home agents.
+ Routes data to the enterprise through a dedicated, secure tunnel.

![Diagram of private network layout](image)

Traffic jams happen. Just not on your network.

Improve your network connectivity—and strengthen your business operations—with the Verizon Wireless private network. You’ll bypass poor network conditions and unpredictable performance by keeping public Internet traffic segregated from your enterprise network. And that means your critical business operations can run smoothly—even when public network access gets rough.
Verizon Wireless private network Internet protocol operation.

Private networks provide an option for Verizon Wireless enterprise customers to link wireless and LAN networks to improve workflow. Figure 2 offers a high-level overview of the architecture of the Verizon Wireless private network.

Private network IP addressing options.

A static IP address is assigned to a computer by an Internet service provider (ISP) to be its permanent address on the Internet. A static IP is required to run any service or application that requires external access from the Internet.

A dynamic IP is a temporary address assigned to a computer by an ISP only for the duration of an Internet, instant messaging, or chat session. Once the user disconnects from the Internet, the dynamic IP address goes back into the IP address pool so it can be assigned to another user.

<table>
<thead>
<tr>
<th>IP addressing options</th>
<th>Type of address</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dynamic IP</td>
<td>Enables the home agent to assign a random address from a generally available pool provided by enterprise customers to mobile endpoints.</td>
<td>Enterprise customers can specify any desired range of public or private IP addresses that are assigned to mobile endpoints.</td>
</tr>
<tr>
<td>Static IP—Customer Hosted (via own AAA server)</td>
<td>Allows the mobile endpoint to maintain the same IP address every time it connects to the home agent. Customers are able to support their own IP addressing management by using their own in-house proxy servers.</td>
<td></td>
</tr>
<tr>
<td>Static IP—Verizon Wireless Hosted</td>
<td>Verizon Wireless hosts customer IP pools to provide static capability. Allows the mobile endpoint to maintain the same IP address every time it connects to the Verizon Wireless-hosted IP option.</td>
<td></td>
</tr>
</tbody>
</table>

How a Verizon Wireless private network can benefit your company.

The Verizon Wireless private network offers a wide variety of benefits that help enterprise customers improve their network experiences. Traffic segregation helps improve overall enterprise network performance by bypassing poor network conditions and unpredictable performance behavior of public network elements of the Internet.

Enterprise IT applications are complex and often have unique requirements that drive the need for customized solutions for wireless endpoints. The Verizon Wireless private network and flexible fixed-end connectivity solutions (FES) help customers manage complex enterprise IT applications with additional security.

Traffic segregation with FES helps reduce security risks resulting from unprotected public networks and access through public gateways. It supports IPSec to enhance security measures, and is compatible with most VPN technologies, as well as the Verizon Business MPLS network.

1 Enterprise AAA functionality is present only when the customer has the static IP Customer Hosted solution option.
Applications.

Enterprise applications that use IP-based protocols like TCP/IP or UDP can take advantage of the Verizon Wireless private network. These include:
+ Sales force automation, field force automation, and CRM applications.
+ Telematics and telemetry applications, such as automated meter reading, alarm monitoring, vehicle management information systems, automatic vehicle location, and ATMs.
+ Migrations from legacy networks. Applications that are currently running on networks that may no longer be supported, such as CDPD.
+ Applications that need increased bandwidth to support new features and added functionality.

Compatible devices.

Wireless access can be accomplished via a variety of wireless endpoints, such as:
+ Mobile broadband devices—Data cards can be used with a device that does not have its own built-in modem. Different form factors include PC Cards, USB devices, and ExpressCard® products.
+ Embedded notebooks—Many notebook manufacturers offer the option of having Verizon Wireless-capable modems as an embedded option. These include Dell®, HP®, Lenovo®, Panasonic®, and more.
+ Smartphones—Verizon Wireless offers a variety of smartphones.
+ Wireless access routers—Embedded modems are becoming increasingly important. They are available in a variety of form factors and specifications from multiple OEMs approved for use on the Verizon Wireless network, including Cisco® 3G-CDMA-HWIC, Digi International®, AirLink™, BlueTree, JBM, Linksys®, Kyocera®, and more.

Domain name system.

When customers subscribe to Verizon Wireless private network service, enterprise traffic is passed to the customer premise equipment (CPE) at the end of the data tunnel, so DNS requests must receive special attention. All traffic whose routes have been advertised to Verizon Wireless will be sent to the enterprise CPE router, including DNS requests. The CPE router would then perform ACL-destination NAT for any traffic on UDP port 53 to map to their internal DNS server IP.

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Figure 3: Private network DNS traffic flow

2 Only mobile IP-capable devices can be used with Verizon Wireless private network. Simple IP is not supported with private network.
3 BlackBerry® devices not supported.
The benefits of a fixed-end connectivity solution: private, direct, and secure.

Wireless connectivity and data transport solutions from Verizon Wireless allow companies to establish a private, direct connection between the enterprise network and the Verizon Wireless broadband network. A direct connection into the Verizon Wireless broadband network lets companies securely and reliably communicate with mobile workforces.

Figure 4: Fixed-end connectivity solution overview.

Connectivity options.

Verizon Wireless has a variety of connectivity options for creating the connection between the enterprise network and the Verizon Wireless broadband network. Organizations can attach to the Verizon Wireless broadband network via VPN over the Internet, dedicated point-to-point circuits such as T1 or Verizon Business MPLS. The best option depends largely on the organization’s requirements for security, cost, and redundancy. The following chart illustrates the supported connectivity solution options.

<table>
<thead>
<tr>
<th>Connectivity Options</th>
<th>Options</th>
<th>Benefit</th>
<th>Consideration</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPN</td>
<td>Low cost</td>
<td>Secure</td>
<td>Not all VPN vendors are supported.</td>
</tr>
<tr>
<td></td>
<td>Secure</td>
<td>Low redundancy</td>
<td></td>
</tr>
<tr>
<td>Point-to-point circuit such as T1</td>
<td>Secure</td>
<td>Full routing control</td>
<td>Border gateway protocol (BGP) routing. Core routing protocol of the Internet.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Verizon Wireless supports only customers that implement access control policies to protect their networks.</td>
</tr>
<tr>
<td>Verizon Business MPLS</td>
<td>Security</td>
<td>Leveraging existing network resources</td>
<td>Customer E-AAA not supported on the same MPLS connection.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Efficiency</td>
<td>Requires separate FES connection between customer’s E-AAA proxy server and Verizon Wireless proxy server.</td>
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<td></td>
<td></td>
<td>Global Network</td>
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Note: Please contact a Verizon Wireless business specialist for pricing options. Please allow 8 to 10 weeks for connectivity solutions implementation and setup.
Private network pricing.

<table>
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<th>Private network</th>
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<tbody>
<tr>
<td>Set-up fee</td>
<td>$500</td>
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Note: Direct connection is required for the Verizon Wireless private network. The above pricing does not include direct-connect pricing, which is required for the Verizon Wireless private network if your connection is not already established.

Important information.

This document and the information contained herein (collectively, the “Information”) is provided by Verizon Wireless, on behalf of itself and its affiliates (“Verizon”) for informational purposes only. Verizon Wireless is providing the Information because Verizon Wireless believes the Information may be useful. The Information is provided solely on the basis that each business will be responsible for making its own assessments of the Information and are advised to verify all representations, statements, and information before using or relying upon any of the Information. Although Verizon Wireless has exercised reasonable care in providing the Information, Verizon Wireless does not warrant the accuracy of the Information and is not responsible for any damages arising from the use of or reliance upon the Information. Verizon Wireless in no way represents, and no reliance should be placed on any belief, that Verizon Wireless is providing the Information in accordance with any standard or service (routine, customary, or otherwise) related to the consulting, services, hardware, software, or other industries. Full private network setup time can take 8 to 10 weeks.
Verizon 3G Coverage/4G Markets in Georgia

For coverage details and availability, please visit vzw.com/4glte.