Great coverage, unlimited calling.

Save with Wi-Fi Calling for Government

Whether you are a large or medium-size agency, T-Mobile Wi-Fi Calling for Government can help you cut wireless costs and provide coverage in areas no provider serves:

• Reduces wireless mobility costs
• Reduces international roaming costs
• Coverage in areas no provider serves
• FIPS compliant and secure Wi-Fi calling

WHAT IS UMA?
UMA is an IP extension of the T-Mobile GSM/GPRS network. It uses the Internet as a transport medium for voice calls and, with little modification, uses all of the GSM/GPRS protocols above the radio layer.

The UMA subscriber’s authentication is based on the SIM but does not replace the normal GSM authentication and security between the phone and the MSC. The keys resulting from the phone-to-MSC authentication exchange are also used in a UMA-specific challenge-response handshake between the phone and the UNC. The UNC itself includes a security gateway, which plays a number of key roles in the UMA architecture. The UNC security gateway authenticates the mobile user based on hard-coded information on the device (e.g., the subscriber profile, location, and activity status information stored in the Home Location Register). Once the handset/AP connection is established, the device will be assigned an IP address which in turn establishes the IPSec tunnel to the UNC (this is accomplished by IKEv2 protocols). No other operator’s UMA service can be used on our devices.

For more information, contact your T-Mobile government representative.

Unlimited HotSpot Calling for Government

• Coverage in areas no provider serves
• Unlimited calling in areas no provider serves

Great coverage, unlimited calling.

Network Diagram

The diagram above shows the basic principle behind the UMA solution. The existing mobile network remains unmodified and the UMA Network Controller (UNC) is introduced. The UNC acts as a gateway between the mobile operator core network and Internet or broadband IP access.

For more information, contact your T-Mobile government representative.