

Taqua solution for voice calls via WiFi networks

AMSTERDAM, THE NETHERLANDS: Taqua, LLC, announced at the LTE World Summit in Amsterdam the general availability of its Voice-over-WiFi (VoWiFi) Virtual Mobile Core for UMTS-based networks.



John Hoadley, Taqua's Chief Technical Officer says voice-over-WiFi is a reality that offers advantages over using the cellular networks. Image: LinkedIn

Taqua's Virtual Mobile Core VoWiFi solution enables carriers to offer voice and messaging services over WiFi networks, while keeping the user experience exactly the same whether the calls and messages go over WiFi or cellular networks.

Depending upon signal strength, the phone selects the WiFi or cellular network to conduct incoming and outgoing calls and messages.

This allows carriers to use any existing WiFi access point, reduce cellular spectrum load, and expand and enhance network coverage.

Taqua has completed development of its new UMTS VoWiFi platform and has begun trials the new UMTS solution with wireless and broadband operators.

"There are significant advantages for wireless and emerging competitive mobile carriers to use a seamless 'WiFi-first' model for mobile voice and messaging," said John Hoadley, Taqua's Wireless Chief Technical Officer.

"All service providers should take full advantage of WiFi, as it's the largest network in the world. It is very cost effective for carriers to improve their coverage for voice and messaging services everywhere," he claimed, adding that the system

conducts both cellular and WiFi calls from the phone's native dialer/messaging interface and existing phone number.

Most applications require a separate, downloadable interface, different subscriber contact detail (not the user's mobile number), and come with numerous subscriber conflicts.

In contrast, Taqua's solution enables cellular and WiFi calls from a single phone interface and the subscriber's existing phone number. The Taqua solution uses the phone's native dialer, contacts, call history and voice mail, as well as the native SMS, using the same message notifications, inbox and outbox.

Subscribers will not notice the difference between calls made over WiFi or cellular. Taqua's solution will also work seamlessly with any standards-based native WiFi clients embedded in smartphones and tablets.

Seamless voice and messaging over WiFi is just one in a series of solutions that are available in Taqua's Virtual Mobile Core, which is designed to solve challenges between 3G, small cell, WiFi, and 4G/LTE networks.

Source: AFP via I-Net Bridge

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