U.S. VoLTE Market Forecast, 2012 – 2017: Still Moving Toward the VoLTE Era

Market Report Fourth Quarter, 2013





U.S. VolTE Market Forecast, 2012 – 2017: Still Moving Toward the VolTE Era

A Market Study

Published Fourth Quarter, 2013 Version 1.0 Report Number: 4Q2013-06

iGR 12400 W. Hwy 71 Suite 350 PMB 341 Austin TX 78738

Table of Contents

Abstract	1
Executive Summary	2
Figure A: VoLTE Strengths & Threats	
Methodology	4
Voice over LTE	5
What is VoLTE?	
What is the Status of VoLTE in the Market?	
What is the Current State of Standards Related to VoLTE?	
Table 1: Key VoLTE Technology Issues	
Who are the Players in VoLTE?	
VoLTE's Strengths and Weaknesses	
Figure 1: VoLTE SWOT Analysis	
How VolTE may impact current technology	
Table 2: Key Weaknesses / Threats of VoLTE	10
Deploying VoLTE	11
Table 3: Potential Deployment Options for Mobile Operators	11
VolTE Forecast	12
Table 4: U.S. Mobile Operator VoLTE Deployment Plans	
VolTE Subscriber Forecast	
Table 5: U.S. VoLTE Subscriber Forecast, 2012-2017	
Figure 2: U.S. VoLTE Subscriber Forecast, 2012-2017	
-	
Conclusion	18
Vendor Profiles	19
Alcatel-Lucent	
Figure 3: Alcatel-Lucent Wireless Packet Core	
Cisco	
Figure 4: Cisco's V2oLTE CSFB and SMS over LTE solution	
Figure 5: Cisco's V2oLTE CSFB IWF solution	
D2 Technologies	
Ericsson	
Huawei	
Imagination Technologies Group	
Mavenir	
Mindspeed Technologies NSN (Nokia Solutions and Networks)	
·	
OpenCloudQualcomm	
Samsung Floetronics	

Quoting information from an *i*GillottResearch publication: external — any *i*GillottResearch information that is to be used in press releases, sales presentations, marketing materials, advertising, or promotional materials requires prior written approval from *i*GillottResearch. *i*GillottResearch reserves the right to deny approval of external usage for any reason. Internal-quoting individual sentences and paragraphs for use in your company's internal communications activities does not require permission from *i*GillottResearch. The use of large portions or the reproduction of any *i*GillottResearch document in its entirety does require prior written approval and may have some financial implications.

Taqua LLC	47
Definitions	49
General	
Device Types	
Services	
Network Technology	51
About <i>IGR</i>	55
Disclaimer	

Abstract

VolTE is similar to Voice over Internet Protocol (VoIP) with the primary differentiator being that VolTE provides a mobile component to the Session Initiation Protocol (SIP).

VolTE is very important to LTE operators because this technology enables them to eventually terminate their legacy, circuit-switched voice 2G/3G network infrastructure in favor of consolidating voice traffic on the LTE network platform. This significantly lowers voice infrastructure costs and improves voice quality and the overall customer experience.

This report provides an overview of VoLTE, profiles of the major vendors and a forecast of VoLTE's potential impact on the U.S. cellular market.

Key questions addressed:

- What is VoLTE?
- How did VoLTE originate?
- Why are mobile operators interested in VoLTE?
- What are the benefits of VolTE?
- What are some of the challenges surrounding the implementation of VoLTE?
- What are the deployment plans of the major U.S. mobile operators?
- How will VoLTE be implemented in the U.S. market?
- Who are the major VolTE vendors?
- What is the forecast for VoLTE adoption in the U.S.?

Who should read this report?

- Mobile operators
- Device OEMs
- VolTE solution vendors
- Content providers and distributors
- Financial analysts and investors.

