

UNSTRUNG insider

TARGETED ANALYSIS OF THE WIRELESS INDUSTRY

Voice Over LTE: Many Questions, No Easy Answers

TABLE OF CONTENTS

- I. Introduction: Why LTE Needs a Voice
- II. Why LTE Voice?
 - Mobile Phone Growth
 - The Need for LTE
 - Over-the-Top Competition
 - New Handset Players
- III. Voice Options
 - IMS
 - CS Fallback
 - VoLGA
 - Fast Track
 - Over-the-Top VoIP
- IV. What to Do
 - Concerns
 - Recommendations
- V. Vendor Profiles
 - Acme Packet
 - Alcatel-Lucent
 - Ditech
 - Ericsson
 - Huawei
 - Kineto Wireless
 - Motorola
 - Nokia Siemens Networks
 - Starent Networks
 - T-Mobile
 - Verizon Wireless
- VI. Conclusions

Report Highlights

Disagreements about the importance of including voice service as part of early LTE deployments could lead to industry fragmentation

The VoLGA Forum has completed the third and final phase of its specification process and will pursue standardization during 2010

One major OEM in the VoLGA Forum has no plans to develop, manufacture, and market the interim voice over LTE solution

Most equipment vendors shy away from providing exact information about their planned LTE voice products and their availability

Over-the-top VoIP players may pose a greater threat to network-based mobile service players than many of them are willing to believe

The IMS platform has been slow in coming to the mobile world, and many now fear it has become too complex

Use of this PDF file is governed by the terms and conditions stated in the Subscriber License Agreement included in this file. Any violation of the terms of this Agreement, including unauthorized distribution of this file to third parties, is considered a breach of copyright. Light Reading Inc. will pursue such breaches to the full extent of the law. Such acts are punishable in court by fines of up to \$100,000 for each infringement.