

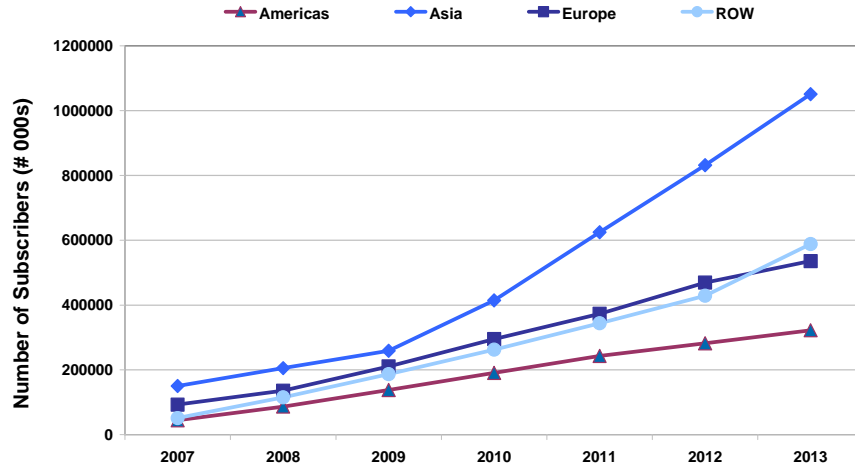
Synopsis

This report examines the current state of 3G deployments across the globe, analyzes the drivers for convergence between fixed and mobile networks, and provides global forecasts for services and technologies built around fixed mobile convergence.

Growth of 3G Mobile Subscriber Base

Worldwide 3G Subscriber Base Growth

Worldwide Subscriber Base (000s)



© 2008 Parks Associates

Publish Date: 1Q 09

“Proliferation of mobile services based on 3G wireless technologies places pressure on the mobile operators to alleviate some of the bandwidth demand by offloading traffic onto fixed networks,” said Jayant Dasari, Research Analyst with Parks Associates. “Service providers are taking this opportunity to bring about a convergence in fixed and mobile services through innovative services with the aim of reducing churn and increasing ARPU.”

Contents

The Bottom Line is a concise, executive-level summary of the current state of the market and the implications for companies doing business in this space.

The Resource Book contains industry background data, consumer survey data, and company profiles—a must-have reference for product/market planning.

The Bottom Line

1.0 Notes on Methodology and Report Focus

- 1.1 Sources of Data
- 1.2 Terms and Definitions

2.0 3G – Evolution in Technology and Mobile Services

- 2.1 Transition from 2G to 3G: Technology and Services
 - 2.1.1 3G - Clearing the Technology Muddle
 - 2.1.2 Transition in Mobile Services – The Path to Convergence

3.0 Convergence in Fixed and Mobile Networks

- 3.1 3G Growth – Implications for Services and Infrastructure
- 3.2 Building a Case for Fixed-Mobile Convergence
 - 3.2.1 The Consumer Perspective
 - 3.2.2 The Industry Perspective

4.0 Femtocells – A Step towards Converged Services

- 4.1 Femtocells – Technology and Architecture
- 4.2 Femtocells- The Business Case and Models
 - 4.2.1 Subscription Based Models
 - 4.2.2 Bundled and a la Carte Services
 - 4.2.3 Parameters for the Business Models – Costs, Savings and Revenues
- 4.3 UMA vs. Femtocells

4.4 Challenges

5.0 IP Multimedia Subsystem (IMS)

5.1 IMS in Residential Gateways – Convergence as a Differentiating Factor

5.2 Long Term Evolution (LTE) – The Race to 4G

5.3 IMS and 4G – Resolution of Intellectual Property Rights

6.0 Global Forecasts

7.0 Implications and Recommendations

7.1 Service Providers

7.2 Technology Providers

The Resource Book

1.0 Company Profiles

1.1 Motorola

1.2 Samsung

1.3 Ubiquisys

1.4 picoChip

1.5 Percello

1.6 2Wire

1.7 NETGEAR

1.8 Tilgin

1.9 Alcatel-Lucent

1.10 Ericsson

Figures

Global Mobile Services Market Share by Technology Type

Mobile Services Evolution with Technology

Wireless Standards

Interest in Video over Mobile Devices

Mobile user penetration rates in major markets

Global 3G Subscriber Base Growth

Voice and Data ARPU for AT&T and NTT Docomo

Major Voice-Centric FMC Deployments

Bundled Mobile Phone Services

Growth in ownership of Portable Devices

Interest in Non-Voice Applications for mobile devices

Interest in productivity features for mobile devices

Basic Femtocell Architecture

Benefits of Femtocells

Factors in Selecting a Mobile Service Provider

Mobile Phone Service Plans in the U.S.

Mobile Phone Usage by Location

Interest in Switching Mobile Service Providers

Femtocell Business Model Parameters

Basic UMA Architecture

Comparing Femtocells and UMA

Device Preference for Multiple Functionalities

Key Concerns in Converged Devices

An IMS Framework

IMS Deployments of Major Telecom Vendors

Service Delivery in Converged Networks

3GPP and 3GPP2 Essential Patents

FMC Global Forecast Methodology
Summary of Forecast Assumptions
Worldwide Mobile Subscriber Growth
Global 3G Penetration
Global Femtocell Shipments
Global Femtocell Revenues
Integrated IMS/Femto Gateway Shipments

Attributes

Parks Associates
5310 Harvest Hill Road
Suite 235
Lock Box 162
Dallas TX 75230-5805

800.727.5711 toll free
972.490.1113 phone
972.490.1133 fax

parksassociates.com
sales@
parksassociates.com

Authored by Jayant Dasari
Executive Editor: Tricia Parks
Published by Parks Associates

© January 2009 Parks Associates
Dallas, Texas 75230

All rights reserved. No part of this book may be reproduced, in any form or by any means, without permission in writing from the publisher.

Printed in the United States of America.

Disclaimer

Parks Associates has made every reasonable effort to ensure that all information in this report is correct. We assume no responsibility for any inadvertent errors.