



Industry Research Report

May 2011

About

The WiMAX Forum® Industry Research Report is a monthly summary of primary and secondary research and news, provided by WiMAX Forum to the industry. It includes the latest updates on WiMAX Forum-tracked statistics, product certification, regulatory information, technology standards and more. This report will be published and made available on the WiMAX Forum website the first week of every month. If you have any questions or comments regarding the research contained herein, please contact Jonathan Singer, the WiMAX Forum's Marketing Communications and Research Manager at Jonathan.Singer@wimaxforum.org.

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- WiMAX Forum currently tracks 583 WiMAX Deployments in 150 Countries
- WiMAX Forum Opens Certification Lab in Malaysia
- WiMAX Forum Hosts Rural Operator Workshop

Global Deployment Update

This section describes the current state of WiMAX deployments across the world. The data for this tool is delivered to us courtesy of [Informa Telecoms & Media](#), and can be viewed online in more detail at www.wimaxmaps.org. Please note that the numbers below do not necessarily represent total WiMAX networks in existence, but rather the total deployments that we currently track. Every month we find more data on new or existing deployments and add them to the database. If you are an operator, please check WiMAX Maps to make sure that your organization's information is accurate. If it is either not there or is inaccurate, please email deploymentdata@wimaxforum.org, and we will update our information immediately.

Total Deployments*

*Note: "Deployments" in this case refers to WiMAX networks that are either in service or planned/in deployment (i.e. base stations are being deployed, but there are few/no subscribers yet).

Total Deployments Tracked	583
Total Deployments Tracked Last Month	582
Total Countries** with WiMAX Deployments	150
Last Month	150

**Note: "Countries" in this case is representative of distinct telecommunications markets, and therefore this number may equal more than the total number of sovereign nations recognized by the UN. For example, Hong Kong and China have different regulatory structures, and are therefore treated as different markets.

Deployments By Region

REGION	DEPLOYMENTS	COUNTRIES
CALA	120	33
Africa	117	43
Asia-Pacific	98	23
Eastern Europe	86	21
Western Europe	77	18
North America (USA/Canada)	56	2
Middle East	29	10

Deployments By Frequency

2.3 GHz Deployments***	48
2.5 GHz Deployments***	112
3.3 GHz Deployments***	10
3.5 GHz Deployments***	308
5+ GHz Deployments***	21

***Note: In above table total deployment by Frequency may not add up to total deployments tracked. The missing deployments' statuses are unknown, and will be confirmed and updated.



For more information please visit www.wimaxmaps.org

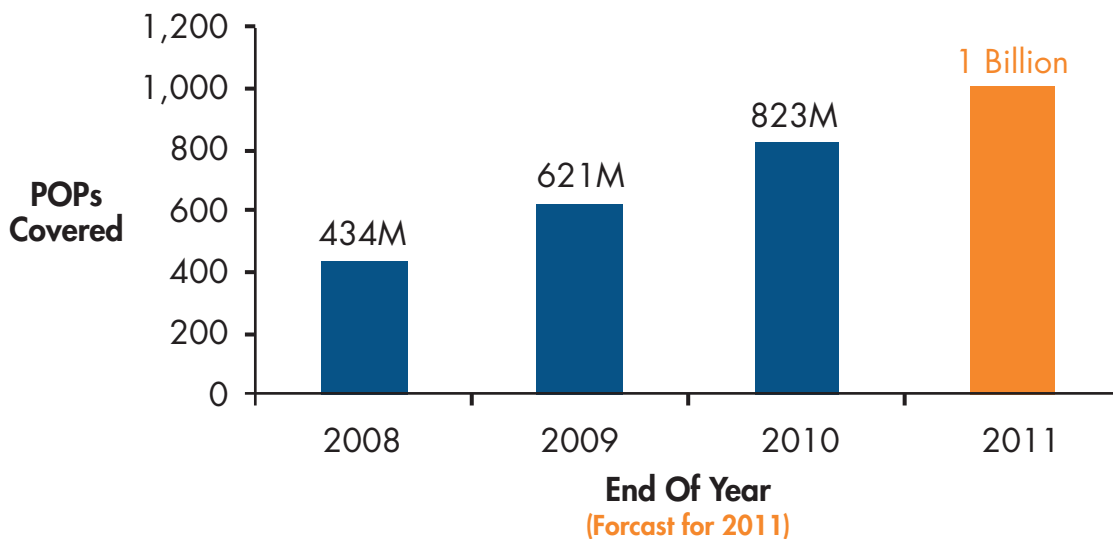
POPs Coverage

In February, 2011, WiMAX Forum announced that as of the end of 2010, WiMAX service providers cover more than **823 Million** people. This estimate surpasses last year’s forecast of 800M people, and signifies that WiMAX is still on target to reach the forecast that **by 2011 there will be over 1 Billion people across the world within WiMAX coverage**. This POPs update is a yearly project, and will be updated again at the beginning of 2012. Below is a regional breakout of the estimate:

Region	POPs Covered
Africa	87,347,832
Asia-Pacific	322,666,970
CALA	117,846,830
Eastern Europe	102,503,669
Middle East	33,509,544
North America	127,000,000
Western Europe	32,526,407
TOTAL	823,401,252

**These numbers represent an estimate conducted by WiMAX Forum via primary and secondary research of operator POPs coverage on an operator-by-operator basis. Where the operator could not or would not respond to direct inquiry, estimates were made based on public operator statements, number of base stations, government-mandated buildout requirements, and other available information. Proprietary networks (pre-WiMAX/non-WiMAX) were not included, and geographic overlap of operator coverage areas was taken into account.*

Global Population Coverage has Doubled in Past 2 Years - Forecast 1B POPs by 2011



WiMAX Forum News Clips

Below is a summary of important industry news:

- Global WiMAX equipment to touch \$6.9 billion in 2014: Infiniti Research
- Japanese earthquake shelters getting PCs, WiMAX
- Report: 17.25 million BWA/WiMAX and 320K LTE subscribers reached in Q1 2011
- UMass Dartmouth testing long-range wireless Internet access
- Best Buy launches WiMAX service on connect
- IEEE approves next WiMAX standard
- LTE is overhyped, says Ovum
- Grow up with WiMAX
- Prepaid carrier Locus to resell Clearwire
- WiMAX Forum certification lab opens in Malaysia
- CaribServe launches WiMAX 4G network
- 4G: Disruption within
- The RIM Playbook with 4G and Flash
- Clearwire and Locus Telecommunications announce new 4G wholesale agreement in US
- Google Voice comes to Sprint
- Digital Star set to launch WiMAX; targets 150,000 users by year-end
- Samsung aims to be among top 3 phone network equipment makers on 4G demand
- Houston goes 4G on city's new wireless broadband network
- First large-scale 4G commercial deployment in Canada
- Time Warner Cable said to be testing WiMAX smartphone
- WiMAX in smart grids
- Smart Mobile to roll out 3G, WiMAX in Cambodia
- Zain Bahrain announces powerful WiMAX upgrade
- Samsung Nexus S 4G clears FCC
- Novatel Wireless MiFi 3G/4G mobile hotspot available through Sprint

WiMAX Forum Certified™ Products

Total WiMAX Forum Certified Products	260
Base Stations	62
Subscriber/Mobile Stations	198

WiMAX Forum Certified Product Vendors

WiMAX Vendors with WF Certified Products	Total
Base Station Vendors	26
Subscriber/Mobile Station Vendors	51

- Base Station Vendors
 - Airspan Networks, Alcatel-Lucent, Alvarion, Axxcelera, Cisco Systems, E.T. Industries, Harris Stratex, Huawei Technologies, Institute for Information Industry, Motorola, NEC, Nokia Siemens Networks, Nortel, PointRed Telecom Pvt Ltd, POSDATA, Proxim Wireless Corporation, Redline Communications, Runcom Technologies Ltd., Samsung, Selex Communications, SEQUANS Communications, Soma Networks, SR Telecom, WiNetworks, ZTE Corporation
- Subscriber/Mobile Station Vendors
 - Acer Incorporated, Airspan Networks, Alcatel-Lucent, Alvarion, ApaceWave Technologies, Axxcelera Broadband Wireless, Beceem, Cisco Systems, C-motech Co. Ltd., D-Link, E.T. Industries, Fujitsu, GCT Semiconductor, Inc., Gemtek Technology Co. Ltd, Gigaset Communications, Harris Stratex, Huawei Technologies, Infomark, Intel Corporation, Interbro, Japan Radio, Kouzuro Co Ltd, Kyocera, Lenovo, MediaTek, Micro-Star Int'l co.,LTD, MITSUMI ELECTRIC CO.,LTD., MODACOM Co., Ltd., Motorola, NEC, Oki Electric Industry Co., Ltd., Onkyo, Panasonic, PointRed Telecom, POSDATA, Redline Communications, Runcom Technologies Ltd., Samsung, Selex Communications, SEOWON INTECH Co., Ltd., SEQUANS Communications, Siemens AG, Sony, SR Telecom, Toshiba, Ubee Interactive, Wavesat Inc., ZTE Corporation, ZyXEL Communications Inc.

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