



“WiMAX is Fast Mobile Internet and It’s Here Now!”

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WiMAX
FORUM®

Agenda

- WiMAX Forum introduction
- Two paths to Mobile Internet
- Broadband penetration impact on GDP
- WiMAX global development updates
- WiMAX has a time-to-market advantage
- Certification ensures the success of WiMAX operators
- Q & A

The WiMAX Forum®

- **The WiMAX Forum® is an industry-led organization**
- **Mission**
 - Establish cost effective and timely **certification** processes and certification infrastructure for WiMAX that achieve device and network interoperability.
 - Publish technical **specifications** to achieve a commercially viable global ecosystem for WiMAX.
 - Actively conduct **promotion** of the brand and technology to establish WiMAX as the worldwide market leader for broadband wireless.
- **Working Group Structure**
 - Eight Working Groups
- **Regional Offices**
 - Brazil, China, Taiwan, India, Russia, Japan, Southeast Asia

The WiMAX Forum[®] (cont.)

- **Board Members**

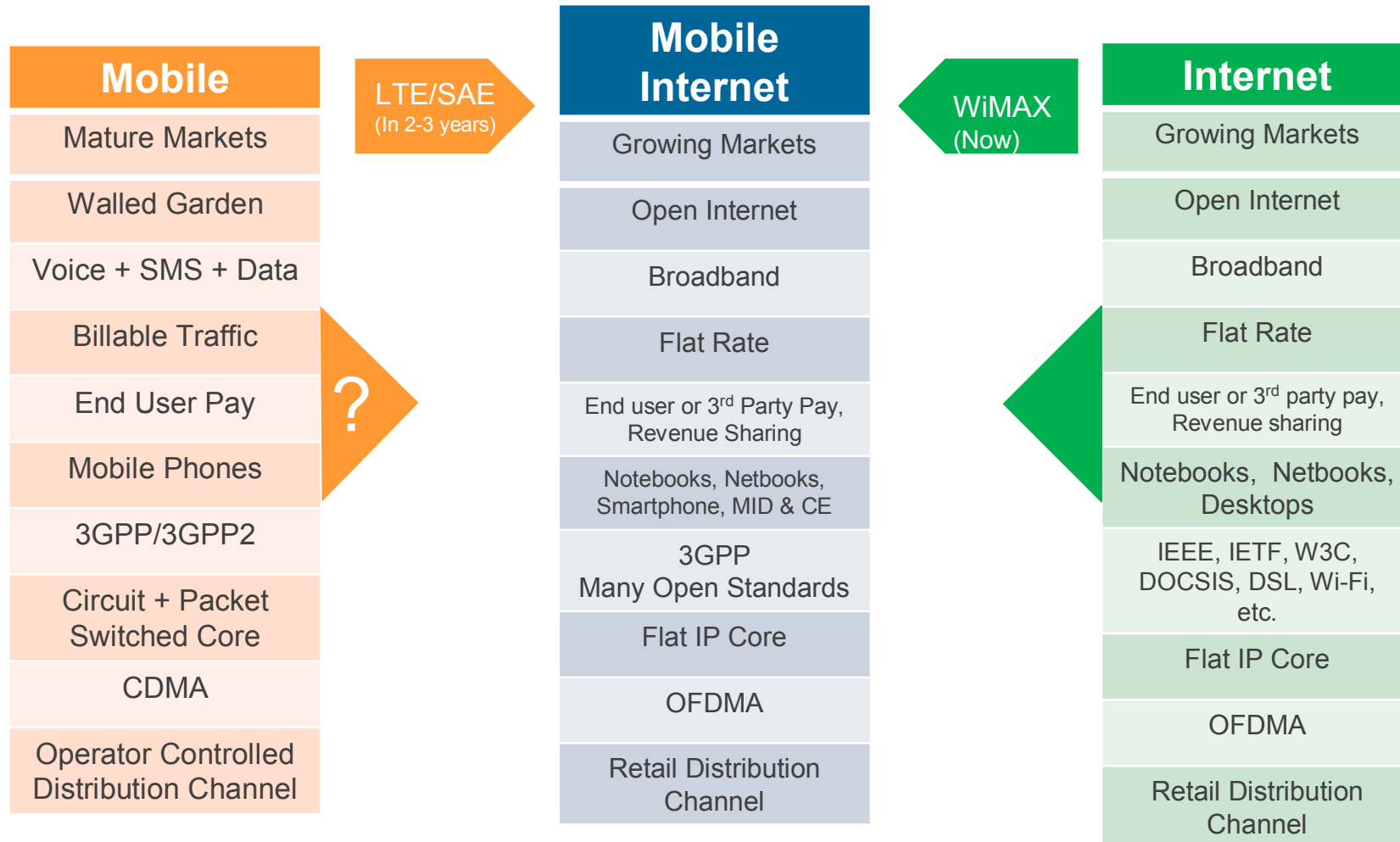
Airspan, Aperto, Alvarion, Alcatel-Lucent, **BT**, Cisco, **Clearwire**, **Comcast**, Fujitsu, Huawei, Intel, ITRI, **KDDI**, **KT**, Motorola, Nokia, Samsung, **Sprint-Nextel**, **Tata**, and ZTE

- **Membership**

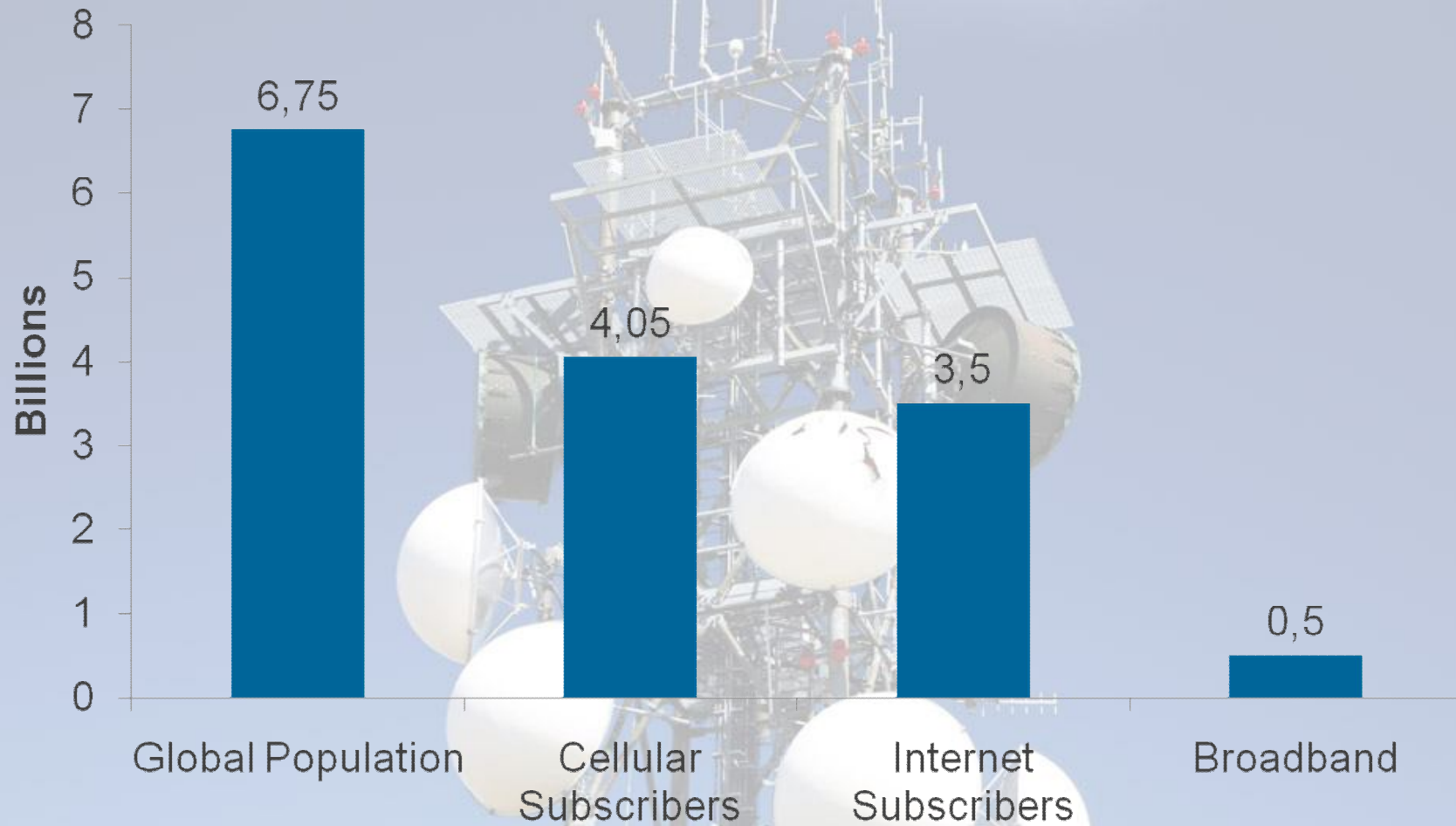
- Robust ecosystem partners across the whole value chain
- More than 33% members are operators

Two Paths to Mobile Internet

WiMAX™ has many Characteristics of Mobile Internet



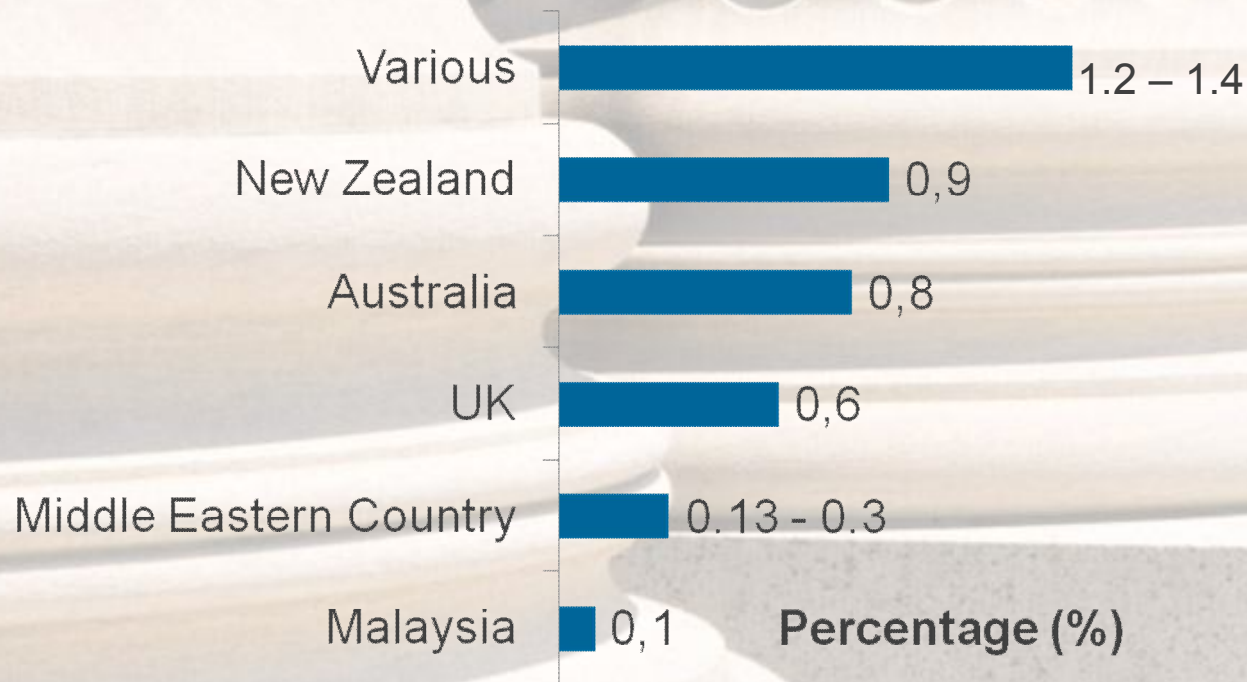
Broadband Market Opportunity



Source: Informa, 2009

Broadband Grows GDP 0.6-0.7% per 10% of penetration

GDP Impact of 10% Higher Broadband Penetration

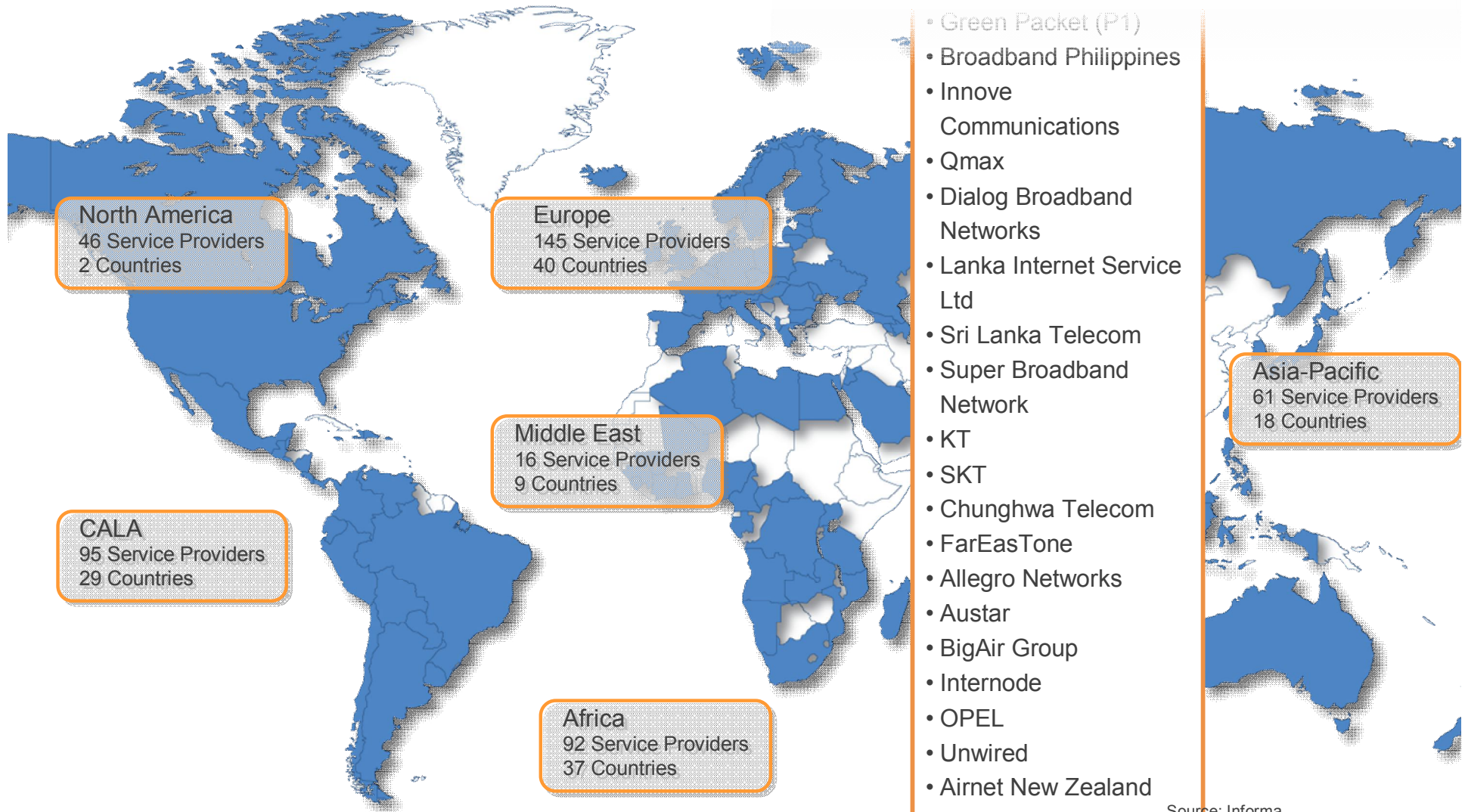


Source: McKinsey, 2009

Can Telecom Investments Navigate Today's Financial Turbulence?

What about WiMAX?

WiMAX Forum Tracks 475 Commercial Deployments in 140 Countries



Source: Informa

Number of WiMAX POPs – 1Q09

Region	POPs Covered
Africa	52,000,000
Asia-Pacific	205,000,000
CALA	49,500,000
Eastern Europe	43,300,000
Middle East	20,000,000
North America	28,000,000
Western Europe	34,600,000
Total	434,400,000

480 DEVICES IN DEVELOPMENT BY OVER 80 VENDORS



Source: WiMAX Forum, June 2008

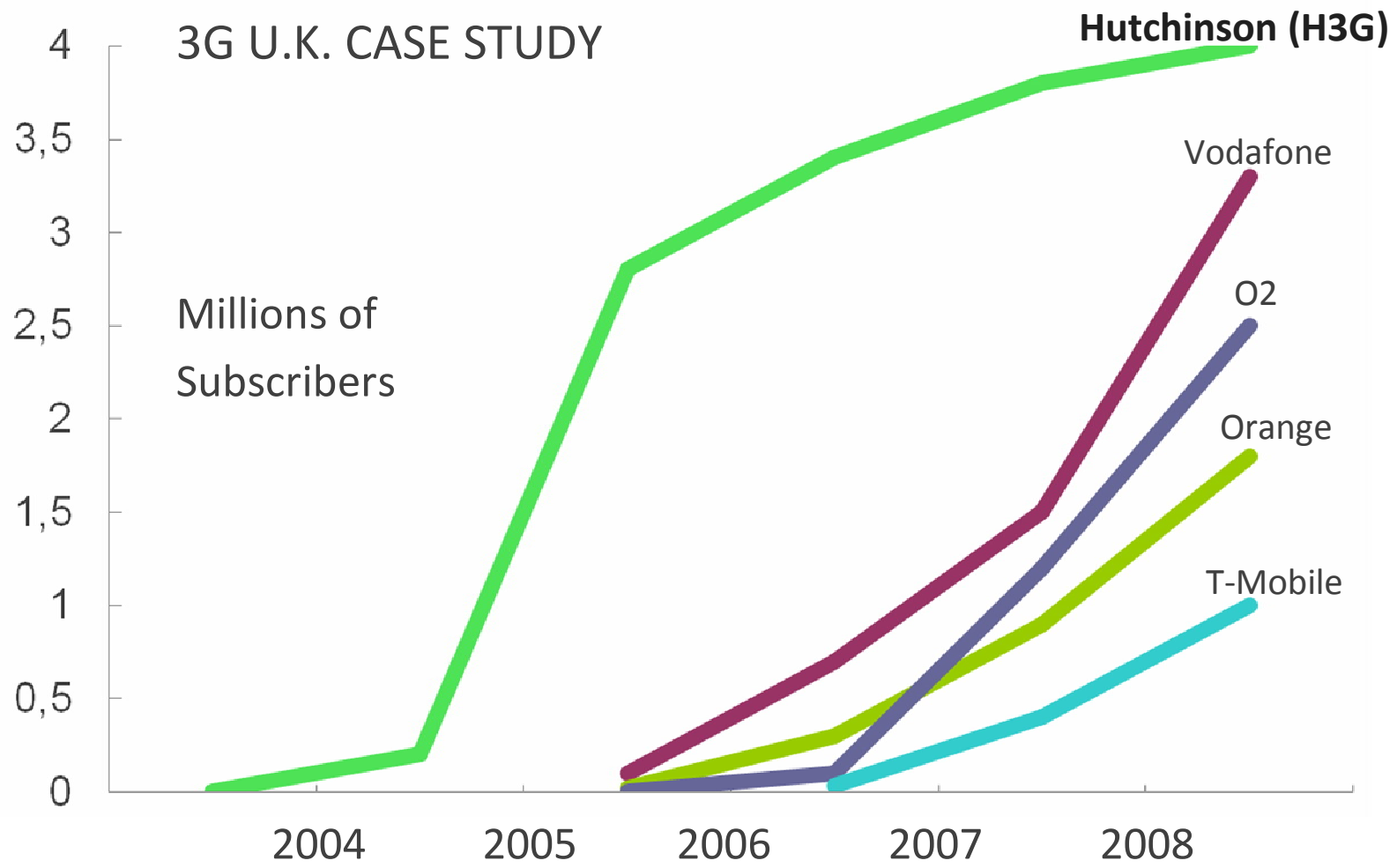
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WiMAX: Internet Technology of Choice for Greenfield Operators

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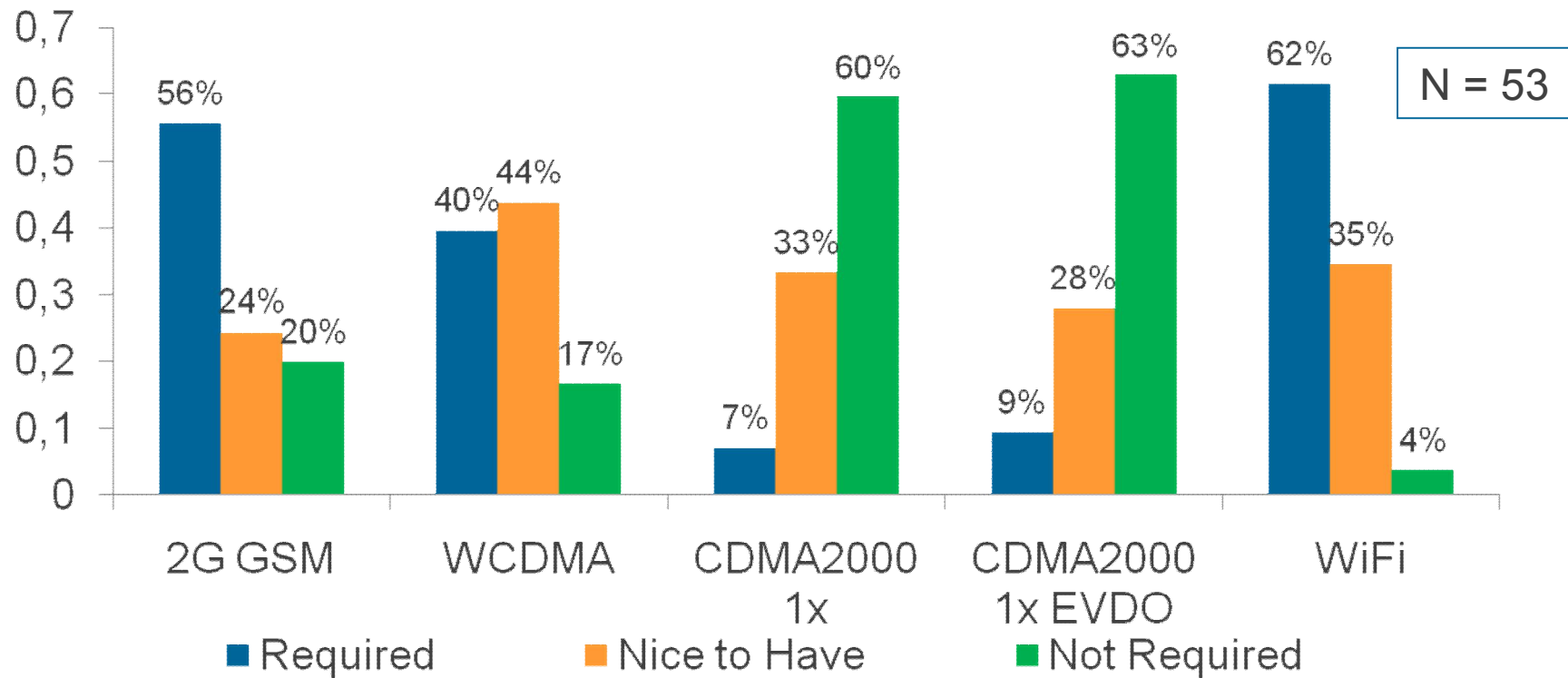
GREENFIELD OPERATORS HAVE A BETTER CHANCE TO COMPETE WITH A TIME TO MARKET ADVANTAGE



Source: McKinsey & Company analysis Copyright 2009 WiMAX Forum. All rights reserved

WiMAX and GSM/3G Voice Networks – The Perfect Marriage

Which non-WiMAX networks should the WiMAX device support?



Source:
Operator opinion survey, March 2009.

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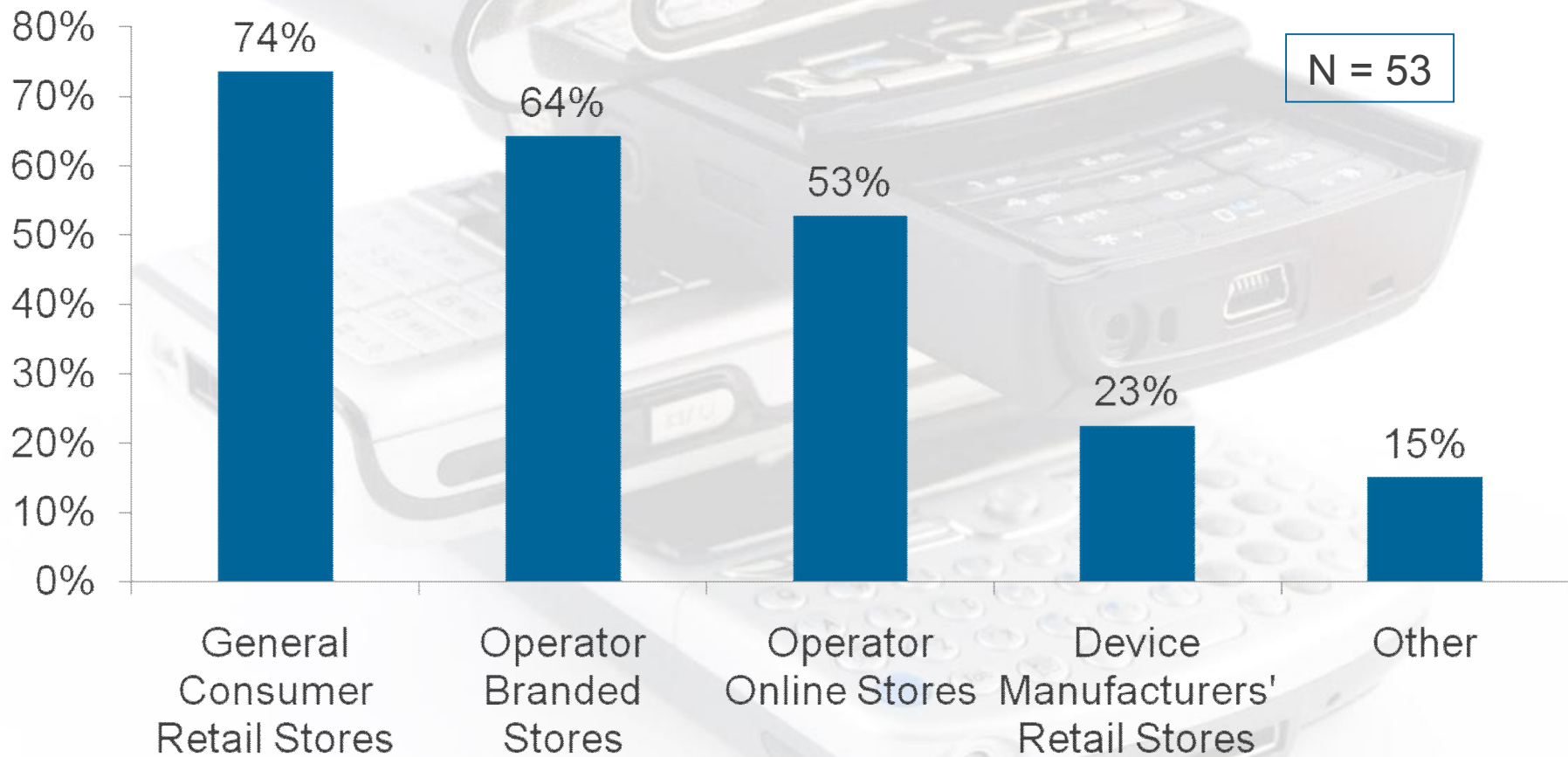
WiMAX Certification Assurance

- Certification ensures
 - Interoperability
 - Scalability
 - Retail business model
 - Global roaming



WiMAX Operators Endorse the Retail Model

How do you plan to sell the devices to your customers?



Source:
WMF NOTF Device Survey, March 2009.

Operators Demand Certification

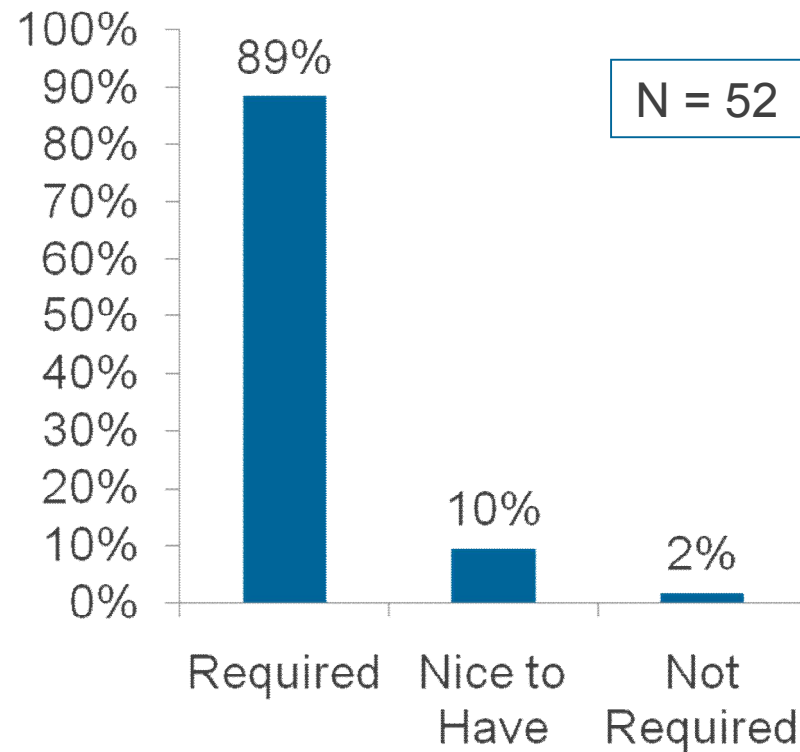
“We will expect all WiMAX products to become IOT Certified before entering an operator’s network.”

Ali Tabassi, Senior VP of Global Ecosystem and Standards, Clearwire

“A variety of WiMAX Forum Certified end products are indispensable for UQ pursuing the retail distribution business model.”

Takashi Tanaka, President, UQ Communications Inc.

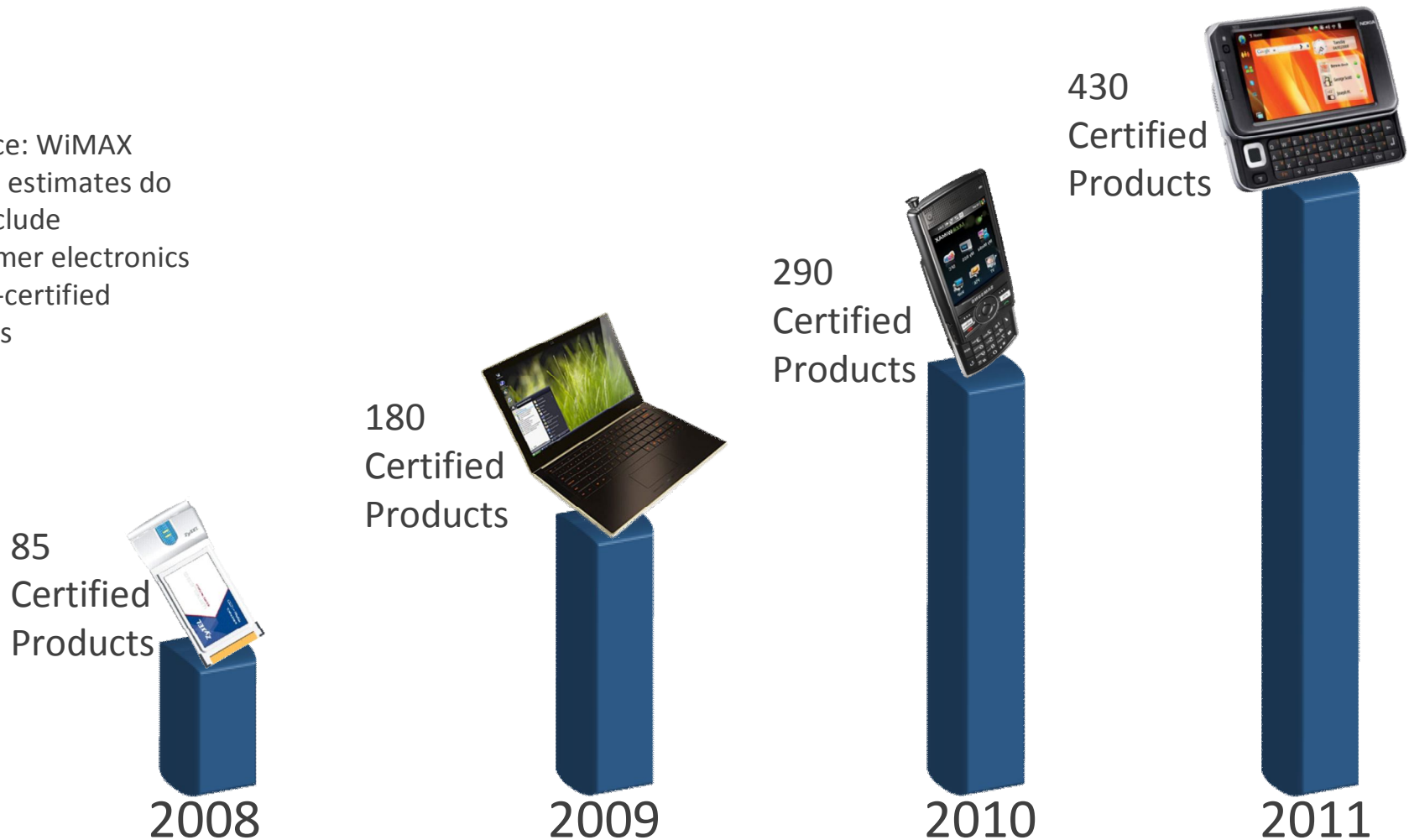
Will you require WiMAX Forum Certification?



WiMAX FORUM CERTIFIED PRODUCTS

1000+ CERTIFIED PRODUCTS BY 2011*

*Source: WiMAX Forum estimates do not include consumer electronics or pre-certified devices





THANK YOU

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