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Huawei Solution for CDMA<E450 Evolution

HUAWEI TECHNOLOGIES CO., LTD.



Content

1.

Mobile BroadBand Is “Still” Booming

2.

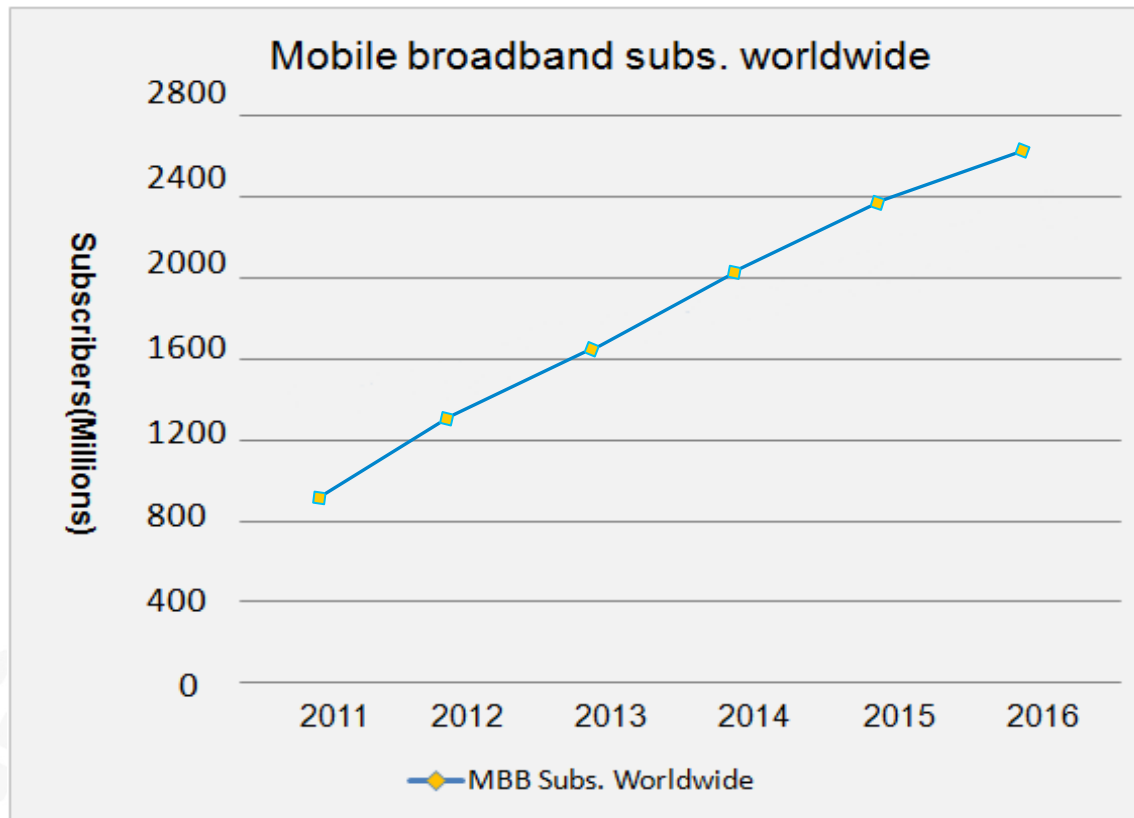
SingleRAN CDMA/LTE Helps MBB To Succeed

3.

Success Stories

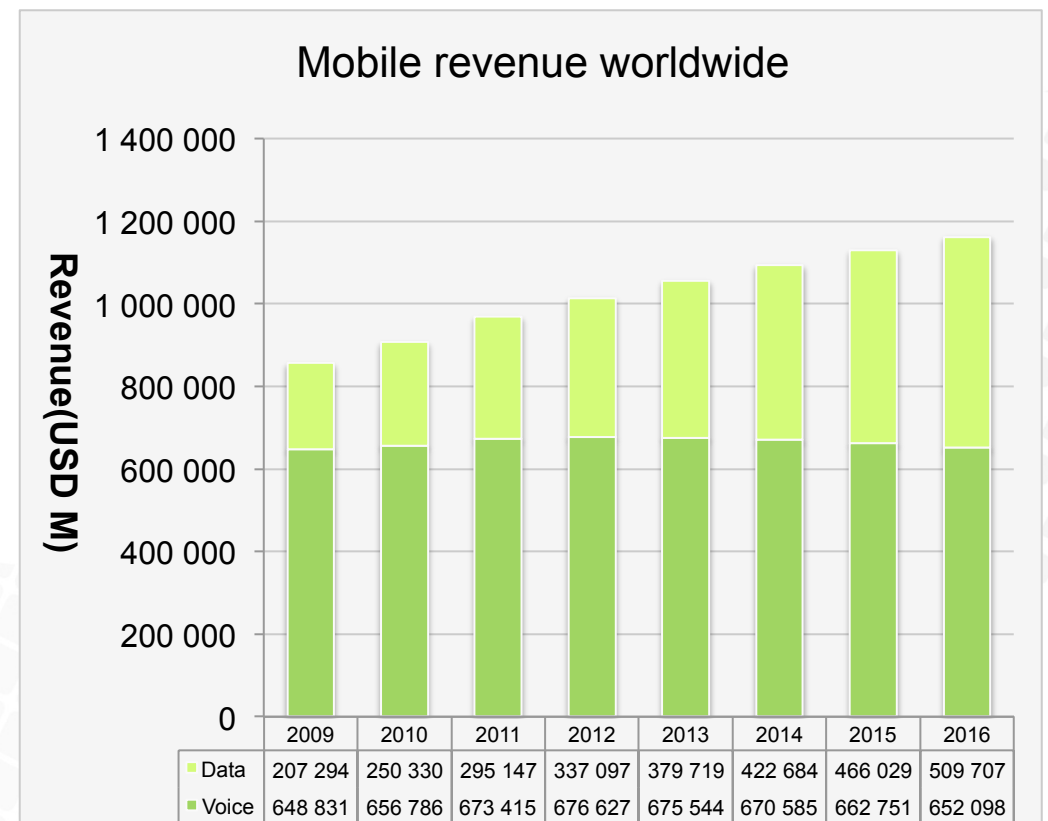
MBB Is Developing Rapidly and Becoming Monetization

Mobile broadband subscribers grow rapidly



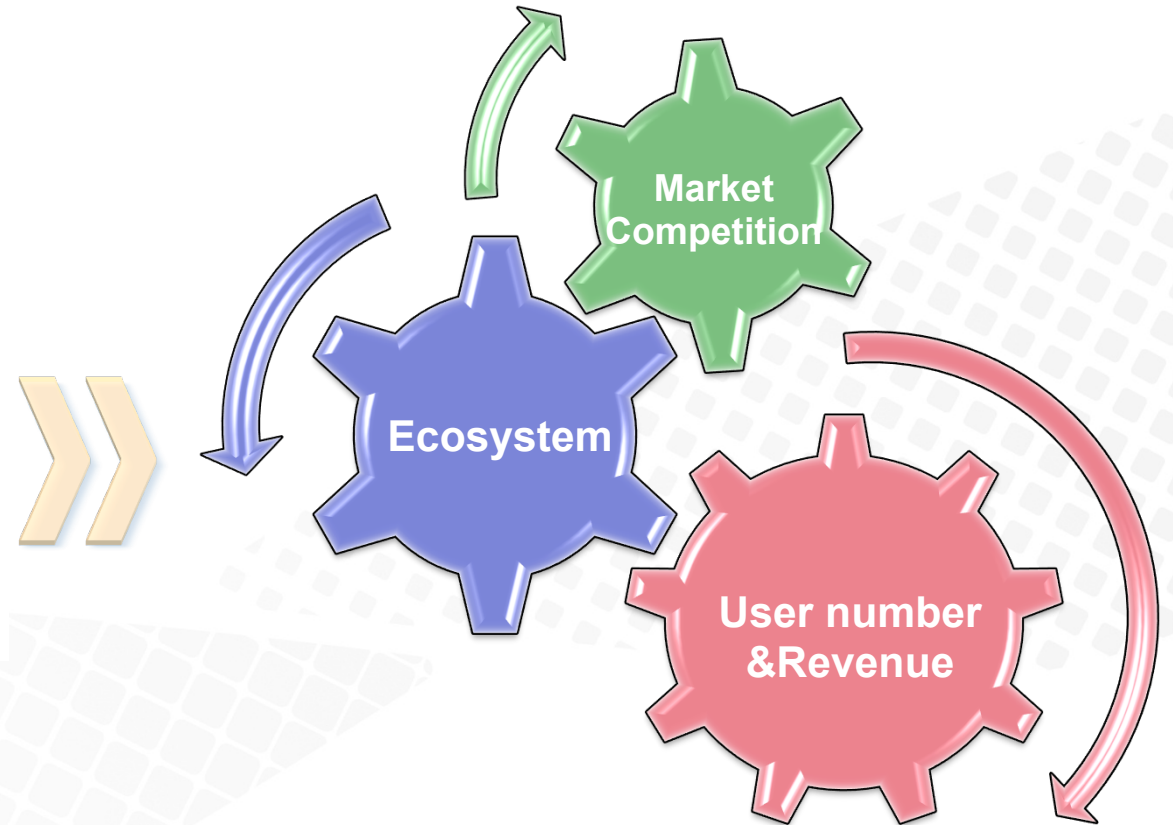
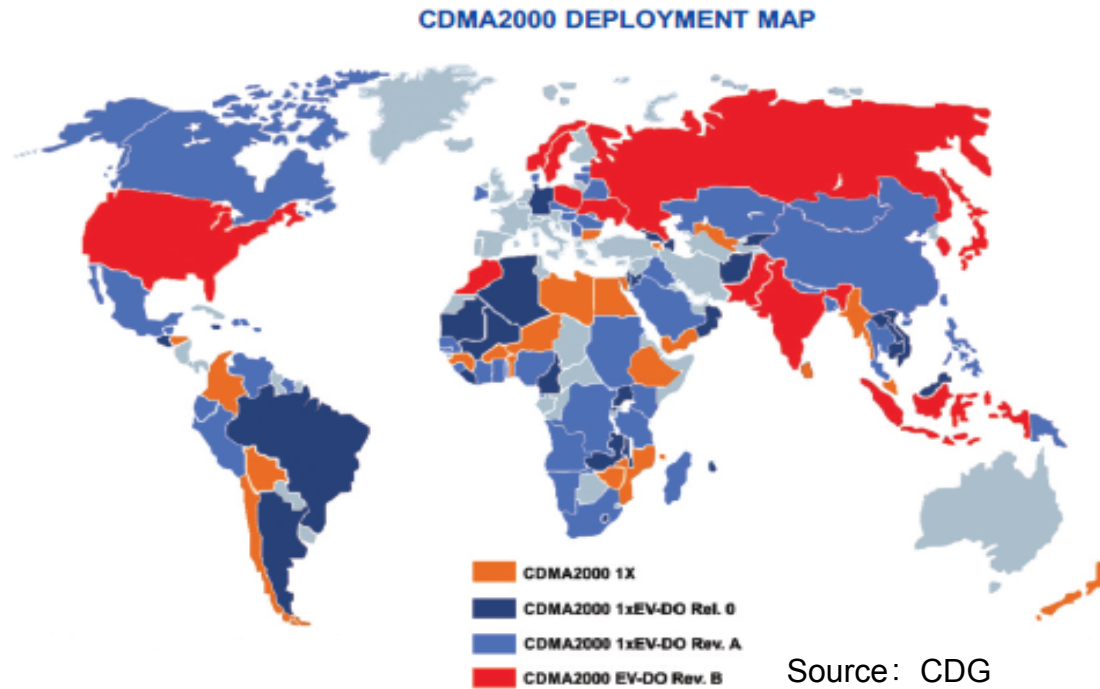
Source: Huawei Wireless (Based on Infonetics Research 2012)

Mobile data revenue with stable growth



Source: Huawei Wireless (Based on Informa 2012)

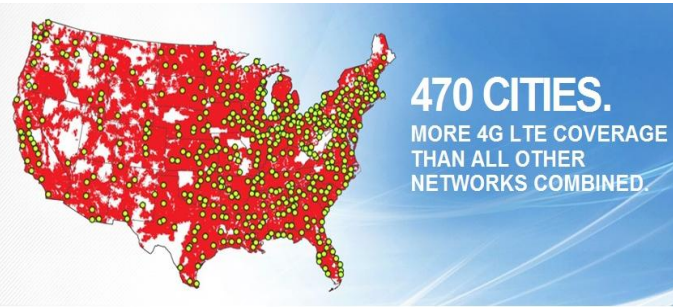
CDMA Industry Status, What is CDMA Future Direction?



- 332 commercial operators in 121 countries/territories
- 320 commercial CDMA2000 1X networks
- 143 commercial 1xEV-DO Rev. A networks
- 12 commercial EV-DO Rev. B networks (as of January 23, 2013)

LTE Improves Revenue&Brand in CDMA Developed Market

Verizon



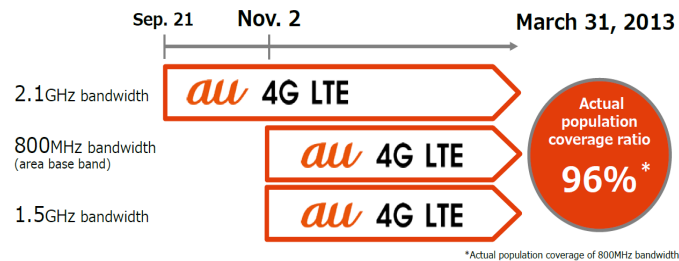
• Status

- LTE Subs. Exceed **12 million** till Dec. 2012
- **ARPU** value is improved

KDDI



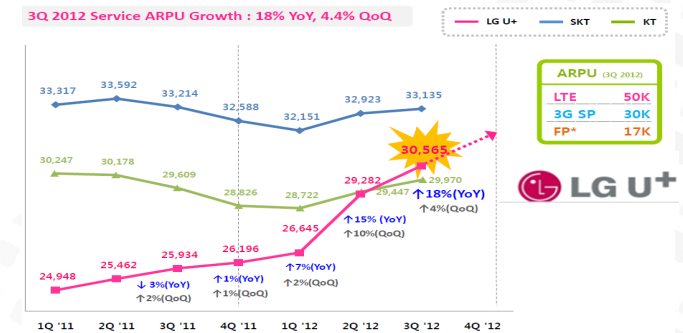
84%* on October 31,
simultaneous nationwide rollout of services



• Status

- Simultaneous launch LTE network and iPhone5
- Providing **75 Mbps** data rate

LG U+

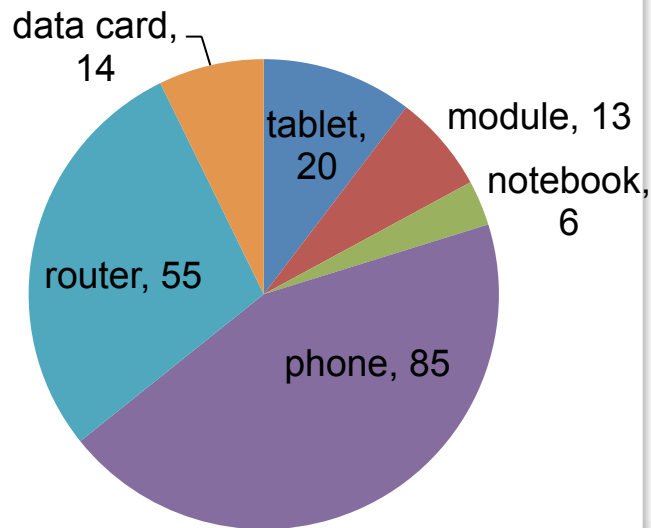


• Status

- Till Dec. 2012, LTE subscribers exceed **3 Million**
- LTE improve **ARPU** and Brand

CDMA<E Devices Eliminate the Gap of CDMA Industry

C/L Device Type



Source: GSA, Jan 31, 2013

- 47 CL device manufacturers , 193 kinds of CL dual mode device,
- 85 kinds of smart phone category, and 20 tablet. Cover high end device and low end device.
- More than 10 chipset can provide CDMA/LTE multi-mode capability

C/L Commercial Device

Smartphone



Data card



Module



Netbook



Tablet



C/L Chipset

QUALCOMM



All 7 cellular standards

WTR1605L

VIA Telecom
Mobile Communication Innovations

GCT

HISILICON

air semiconductor
Smaller. Stronger. Faster.

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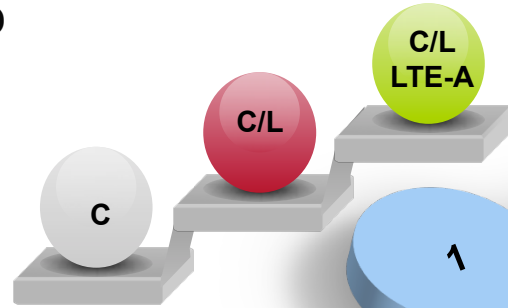
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SingleRAN CDMA/LTE for MBB Future Success

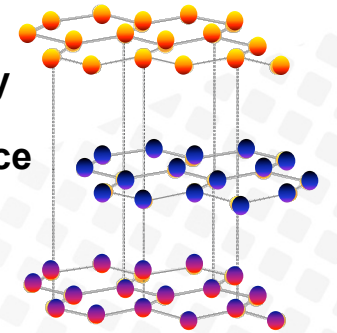
1. Advanced Product&Solution

- ◆ **One** Cabinet Up to 7B4M1C
- ◆ **One** BBU for FDD/TDD
- ◆ **One** Radio: BladeRRU
- ◆ **One** Radio: AAU
- ◆ **E2E** 450M LTE



2. Best performance

- ◆ Highest CDMA spectrum efficiency
- ◆ No-edge LTE Cell edge performance



3. Best operation



- ◆ Multi-RAT ANR
- ◆ User Agent Identify

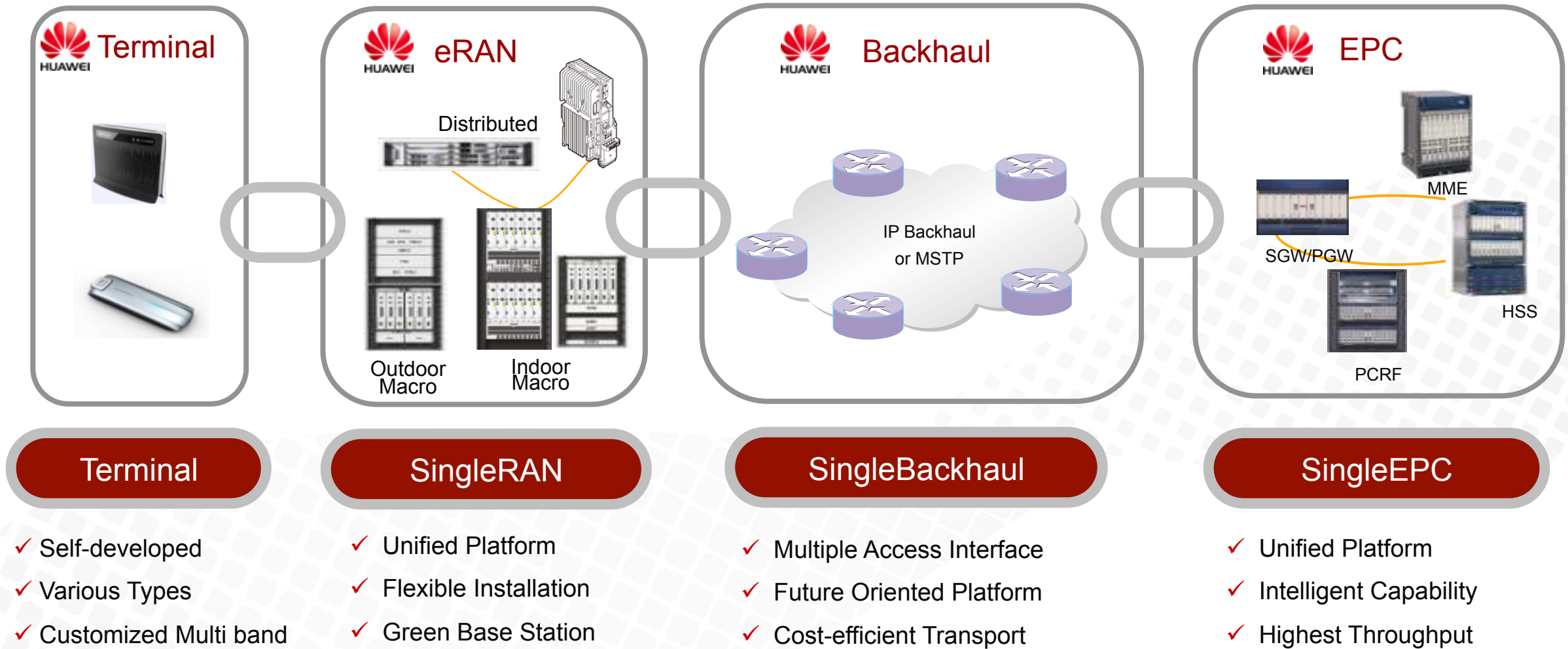
4. Best user experience

Seamless CL Interworking

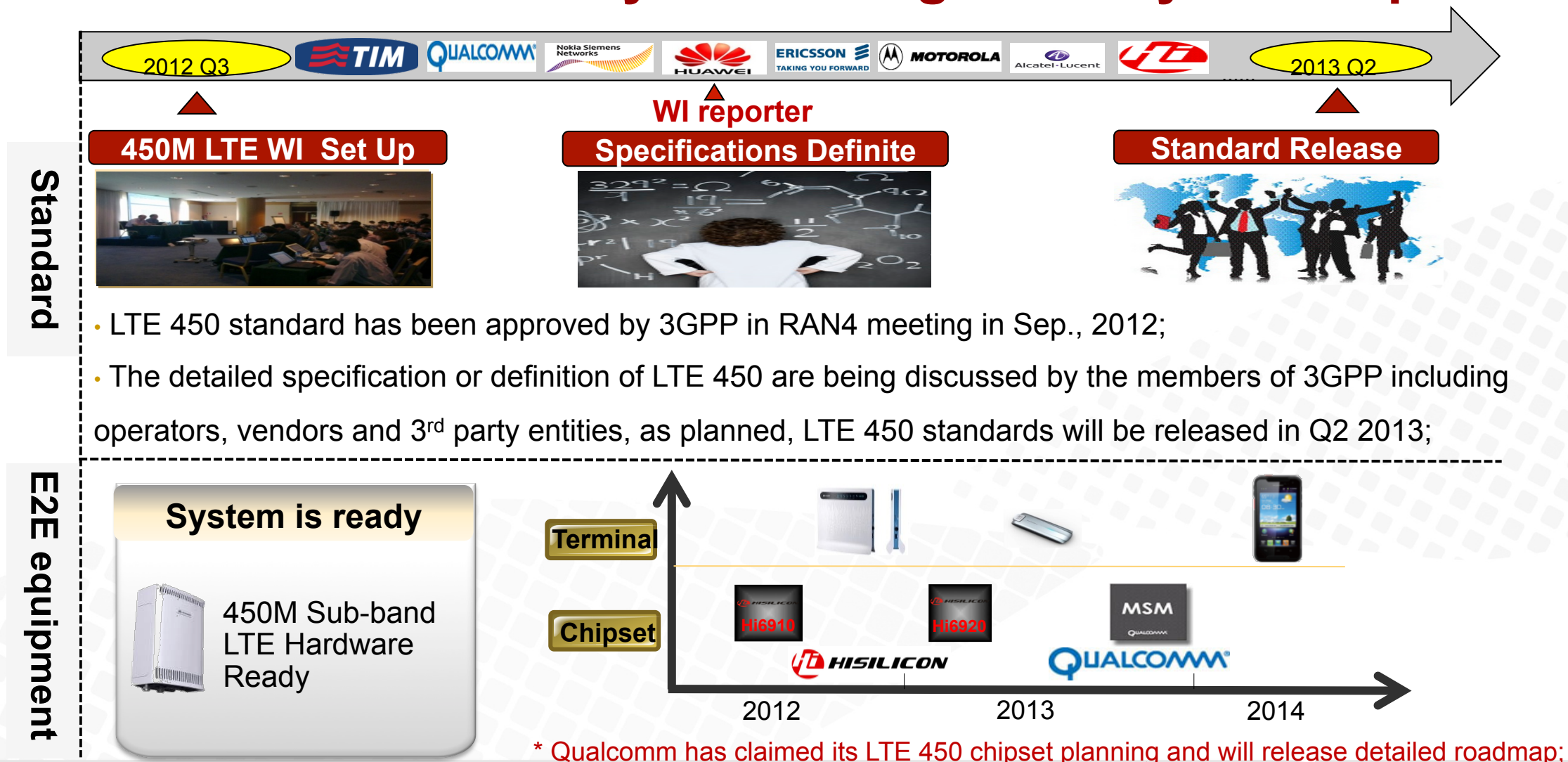
- ◆ Data service
- ◆ Voice service



Huawei End-To-End Solution for LTE 450M



E2E LTE 450M - Actively Promoting Industry Development



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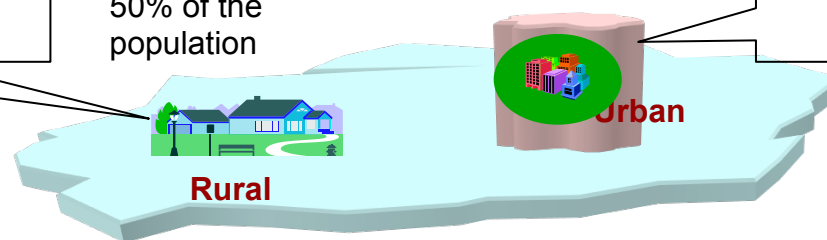
450M MBB Case in Poland Orange

Large potential market in rural area

50% of the population

50% of the population

Fierce competition in urban area



Plus

PLAYO



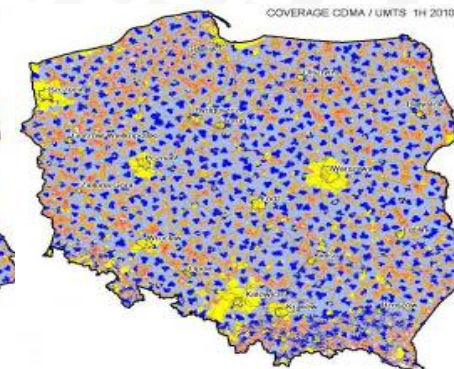
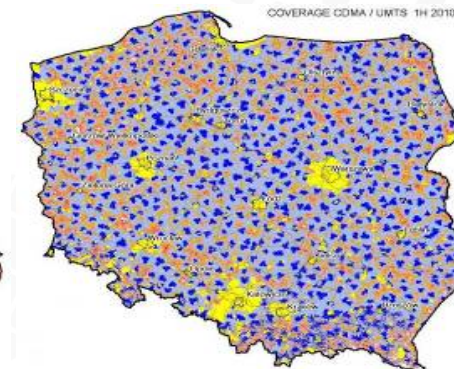
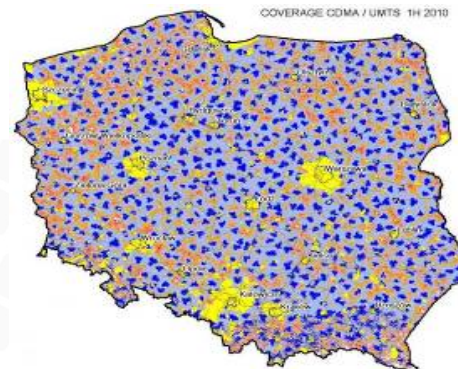
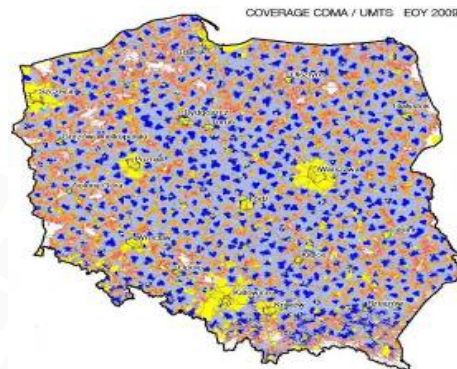
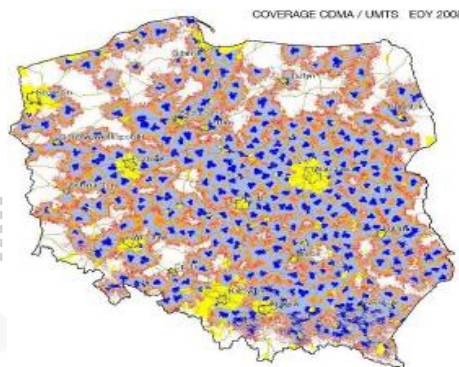
2008 200 Site

2009 380 Site

2010 750 Site

2011 DOrB

2012 2 Carrier to 3 Carrier



HSDPA



EVDO



Orange Win in Rural MBB and Continues Investment Every Year

SingleRAN Solution Helps Tricom Commercial Success

Customer

Challenges



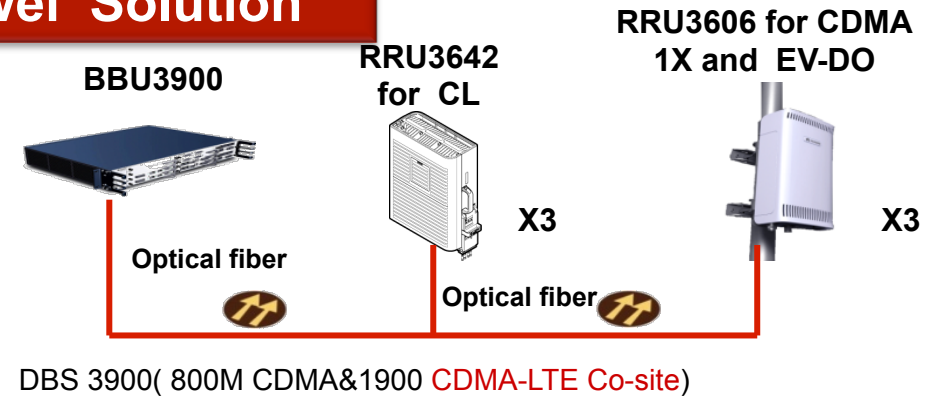
- Dated MOTO CDMA equipments **can not upgrade** any more!
- **High OPEX** and poor user experience.
- Facing **intense competition** from other operators

Customer Benefits



- **Fast deployment** for time to market by **lower TCO**
- Highly **improve the brand** for Tricom to **compete** with other operators
- Attract **more users** and get **more revenue**

Huawei Solution



Thank you

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