Welcome to Chicago!
69th IETF
. . .Hosted by Motorola

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Perspectives on Progress
- address to 69ᵗʰ IETF
25-Jul-2007, Chicago, IL

Ken Zdunek

VP Networks Research

Life at the Edge

Simple but Powerful Ideas…

Wouldn't it be cool if everything could "talk" to everything else?

Without wires, anywhere?

With no apparent boundaries?

That Was *Then...*

Navy Pier

This is *Now...*

- RFC 2373
  - IPv6 Addressing

- RFC 2364
  - PPP over AAL5

- RFC 4917
  - MIPv4 Message Str. Ext.
- RFC 4938
  - PPP over Ethernet Ext.
- RFC 4916
  - SIP Connected Identity

That Was *Then...*

Meig's Field

This is *Now...*

Northerly Island Park

- 318M Cellphones worldwide
  - Finland #1 in Cellphone % (64.4 / 100)

- 3B Cellphones worldwide
  - China #1 in Subs (~460M)
  - GSM in 80% of India's (~100,000) Villages

That Was *Then...*

Randolph Street Station 1898

This is *Now...*

Millennium Park at Randolph St.

- Dialup Internet Access

- No Cellphone Internet Access
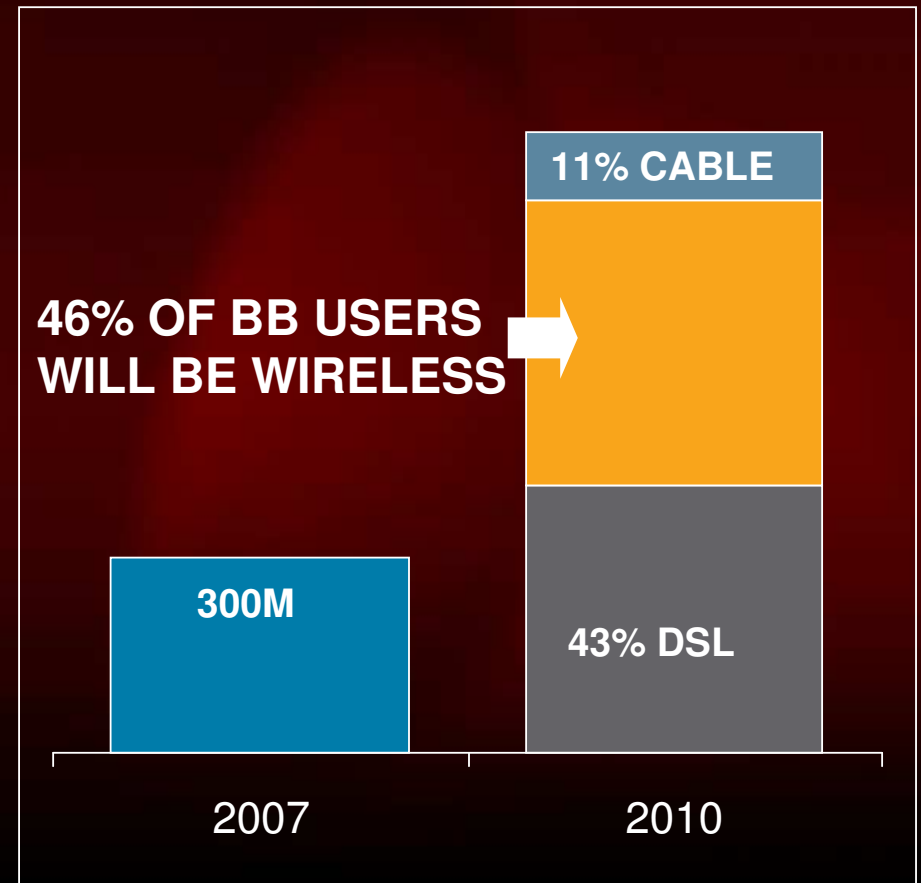
- Residential BB Access via Cable, DSL, Fiber
  - S. Korea #1 HH 83%
  - US 20th
- 500 M Internet Enabled Cellphones
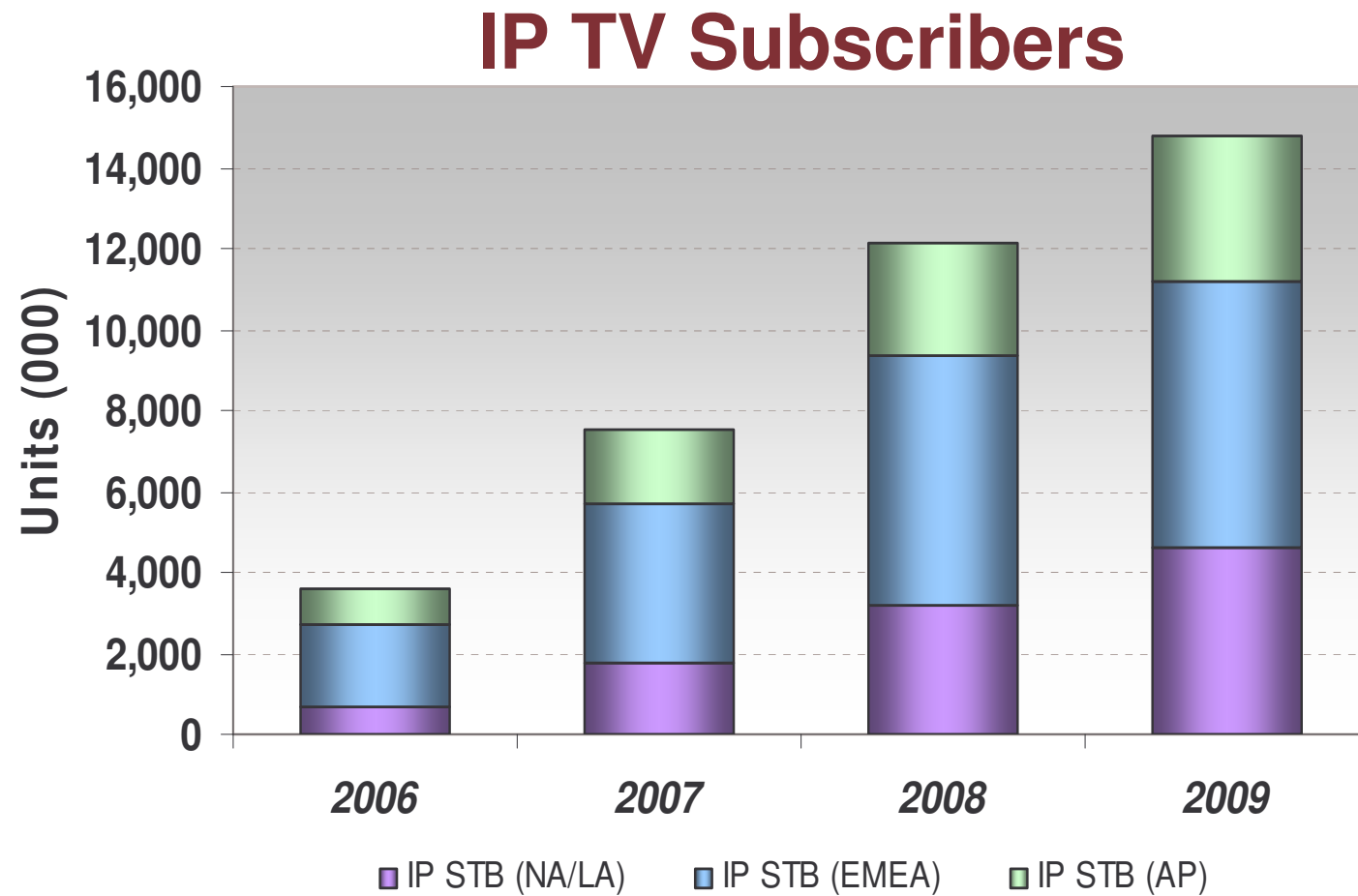
What's *Next* ?

Over 870M broadband users by 2010

46% OF BB USERS WILL BE WIRELESS →

11% CABLE

300M

43% DSL

2007   2010

- But: Ethiopia has 1.6 cellphones / 100

What's *Next* ?

IP Video Growth

IP TV Subscribers

Units (000)

IP STB (NA/LA) IP STB (EMEA) IP STB (AP)

2006 2007 2008 2009

- But: India has 3% (Urban HH) Broadband Penetration

What's *Next* ?

CHICAGO 2016
STIR THE SOUL

- Wireless Broadband Access: Will Exceed Wired (2010)
- Connecting the Unconnected: Next 1B Wireless Users
- Anything Anywhere: The Internet of >1T Things-to-Things

Wouldn't it be cool if everything could "talk" to everything else?

Without wires, anywhere?

With no apparent boundaries?

Don't Forget the Edge

What's *Next* ?

...*YOU DECIDE*

Have a productive and enjoyable week!

Special Thanks

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- Palmer House Hilton
- Padmasree Warrior
  - "Bits at the edge"
  - http://blogs.motorola.com/author/padmasree-warrior/default.asp