

# Transitioning the Industry to IP

## 2nd Annual i3forum Conference



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Washington D.C.

**Philippe Millet – Chairman, i3forum**

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# i3forum CEO Round-up @ ITW 2011



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iBasis, KDDI, Neutral Tandem, Orange, OTEGlobe, PCCW,  
PLDT, PTGi, SFR, Tata Communications, Telefonica, Telenor,  
TeliaSonera, Telstra, TI Sparkle, Verizon, Voxbone, WIS

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# The Future is all-IP

Multiple reasons to transition to IP - and it is happening NOW!

## Technology

- ❖ Renewal of network equipment (TDM end-of-life)
- ❖ Capacity management vs. increasing demand
- ❖ Vendors' strategies and roadmaps

## Economics

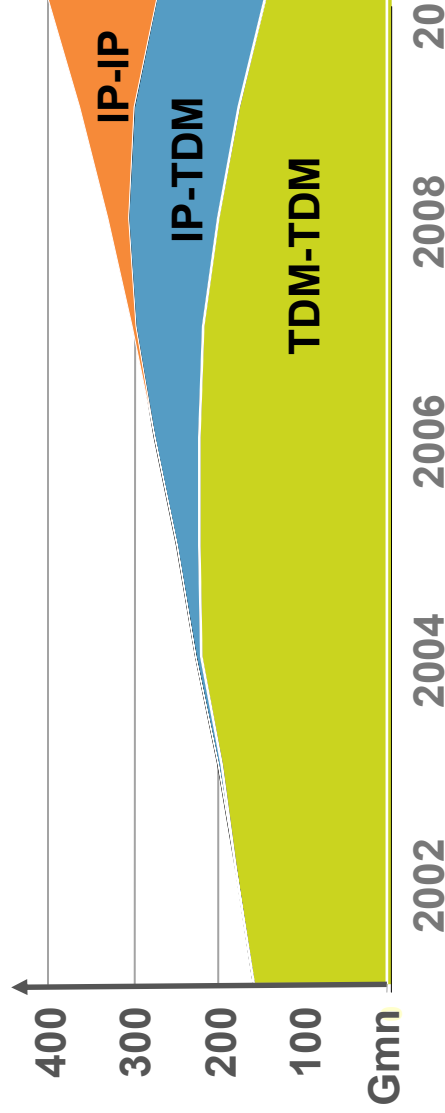
- ❖ Cost reduction (Opex, Capex)
- ❖ Agility / risk management
- ❖ Green

## Business

- ❖ New retail products and services in a convergent environment
- ❖ Wholesale Customer requirements
- ❖ Strategy of peers & competitors

# Why migrate to IP? Food for thought

TDM	VoIP
Switch <b>port efficiency</b> for average International carrier	Dynamic port assignment resulting in 700k minutes/E1 or 3 x lower switch costs
Better <b>voice quality</b> using less backbone resources	AMR VoIP codec uses 35k for CD sound quality
Ring Back Tones <b>forgotten cost</b>	SIP driven local generation frees up backbone
Launch <b>new services</b>	By nature fully supported by IP interconnects



Below 10% in 2009, IP voice continuous to grow by 30% yoy



# Together we need to shape that Future !!

- Industry has to get to the “other side” fast to reap benefits of all-IP world
- When and how to move from a world that works to an IP New World?
  - ❖ Not always “plug and play”
  - ❖ Not automatic continuation of existing interconnection business models
  - ❖ Unintended consequences of earlier standards decisions
- Many questions, few answers...
  - ❖ What technology decisions should I make?
  - ❖ What should I invest in and when? Will it work with other carriers?
  - ❖ What happens to my existing business? Where are the new opportunities?
  - ❖ What about Quality? And Security?
  - ❖ Do I need to re-invent the wheel with all my partners?
- That's where we step in - Carriers Interconnects are key to end-to-end service
  - ❖ i3forum develops recommendations (business, technology, operations) for an industry-wide transition of voice and other services to IP



# A brief history of the i3forum – a huge success!

- Founded in 2007 with 8 members
- Now 39 diverse carriers serving 1.6+ billion people in 100+ countries
- Together we carry 80% of the world's Int'l voice traffic
- Focus : International Interconnections... and fuelling domestic talks
- Mission : Making it easier for all carriers to transition to an all-IP world



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# An Inclusive Mission

No one size fits  
all approach

Not a standards  
organization or  
commercial alliance

Cooperation with  
industry bodies:  
GSMA, 3GPP....

All deliverables  
publicly posted on  
our website

Recommendations  
are implemented  
independently

No fees to join



# Top 5 Topics on Our Agenda

## Looking into Technical, Business and Operational aspects

- 1** Defining technical and service models for IP voice, legacy products (fax...) and new services
- 2** Guaranteeing safe and reliable communications
- 3** Managing increased routing and addressing complexity (ENUM...)<sup>o</sup>
- 4** Defining Quality of Service & how to measure it
- 5** Meeting service provider requirements within IPX and other converged frameworks (incl. early work on LTE)





# Helping to make it happen: Training



Are you equipped to transition to an all-IP world?

Neotelis developed 4 training modules based on i3forum work

- Transitioning International Voice Interconnections – Overview (2 days)
- International IP Interconnection - Technical Aspects (3 days)
- International IP Interconnection - Operational Aspects (2 days)
- International IP Interconnection - Business Aspects (2 days)

Training sessions scheduled in 2011

**Montreal**, Canada 30 May – 3 June 2011 (in English)

**Paris**, France 13-17 June 2011 (in English)

**Amsterdam**, Netherlands 27-29 September 2011

**London**, UK 8-11 November 2011

Join us at the Transition to IP workshop at Capacity CEE in Prague, June 27

For more information, visit [www.neotelis.com](http://www.neotelis.com) or email [training@neotelis.com](mailto:training@neotelis.com)

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## WHERE INTERNATIONAL, IP AND INTERCONNECT MEET.

The i3 Forum brings together the communications expertise of more than 23 telecommunications operators representing a combined retail base in excess of one billion customers in over 80 countries. The goal of the i3 Forum is to develop collaborative recommendations for an industry-wide transition of voice and related services to Internet Protocol (IP). The forum's unified effort to expedite global IP-based voice implementation will enhance worldwide communication by supporting widespread access to innovative and high quality IP-based services and applications.

### NEWSROOM:

Newsroom is the place to find out about important events taking place within i3 Forum.

- [29/04/2009 i3 Forum at ITW](#)
- [10/04/2009 i3 Forum at Capacity USA](#)
- [16/03/2009 IP Migration: Sparkle, founder an...](#)

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### LIBRARY:

Click below for our latest documents, deliverables and presentations.

- [Exec Summary-2-June-2008.pdf](#)
- [ETSI Workshop on i3 Forum.ppt](#)
- [CapacityYearbook09\\_VoIP\\_Interconnects.pdf](#)

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### LATEST NEWS:

Look for i3 Forum at the second annual International Telecoms Week (ITW) to be held in Washington, DC from June 1 to 3, 2009.

\*ITW is the meeting point for the international telecoms wholesale community. Each year over 3,500 delegates from nearly 1,000 companies and from...

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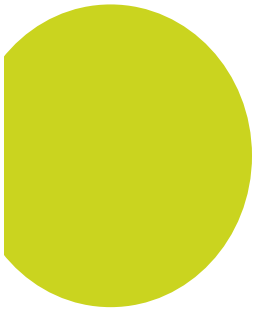
- For more information on the i3Forum and its publications
- Additional documents to be released during the course of the year

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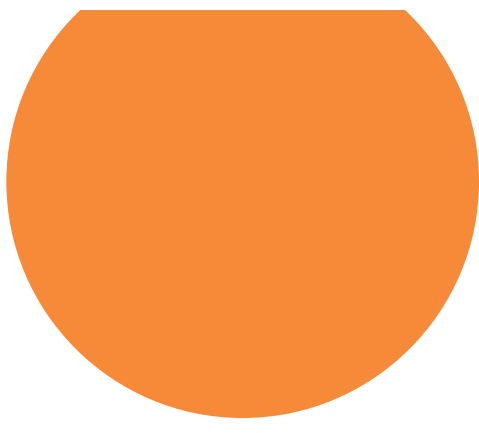
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# Thank You !



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