

# Taking our Future in our own Hands - Industry Transitions to an all-IP world

**International Telecoms Week**

**Washington D.C. - May 24th, 2010**

**Philippe Millet – Chairman, i3forum**

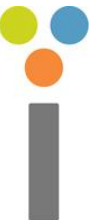
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# What the Future has in store for us...

Multiple pressures to transition to IP - **IT IS HAPPENING!**

- Technology
  - Renewal of network equipment (TDM end-of-life)
  - Capacity management
  - Vendors' strategies and roadmap
- 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



# Together we need to shape that Future !!

- The sooner ALL of the Industry gets to the “other side”, the sooner we can ALL reap the benefits of an all-IP world
- But 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
  - We are discovering 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 for an industry-wide transition of voice and other services to IP

# A brief history of the i3 Forum – a huge success!

- Founded in 2007, went public at ITW 2008 with 8 members
- Now 37 carriers from all over, serving 1.5+ 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



# Pragmatic, down to earth, open approach

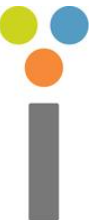
- Carriers working for the benefit of the industry
- Concrete, Focused and Fast-Paced
- Open, forward looking, relevant to all players
  - no One Size Fits All
- i3 Forum is not a standardization body,
- i3 Forum is not a commercial alliance
- I3forum liaises with other industry bodies
  - including GSMA, SIPForum, 3GPP, MSF, ETSI, IETF...
- i3 Forum is not incorporated,
  - no fees required to join – just work ;-)

# Good for Members, Even Better for All Carriers

- ALL will benefit from clear understanding of the benefits of IP-based interconnections and E2E service delivery - and options to get there
- i3forum work focuses on the international space
  - Its work is applicable to national intercos, for both fixed and mobile
- Ensure efficient use of resources to deliver better intercos
  - Codec options and trans-coding impact call quality bandwidth usage
  - i3forum's intercos design and testing allows selection from the many options in the IP technology standards and streamlines tests
- Open environment makes security more complex
  - Ensure the integrity of end to end service
  - Prevent fraudulent use of resources

# We have delivered in 2008 and 2009 ...

- All our deliverables are **100% public**, please visit [www.i3forum.org](http://www.i3forum.org)
- Pragmatic recommendations for the benefit of the industry
  - Business topics
  - Technology topics
  - Operational topics
- Migrating TDM Voice (Bilateral, Hubbing) and related services (Fax...)
  - Service definitions, SLA material
  - Interconnection models (private and public, including over the Internet)
  - Recommendations on Signalling (SIP and SIP-I), Codecs, Security, QoS
  - Management of Early Media, Ring Back Tones, ISDN and Fax services
  - Templates for Interconnection Form and Interoperability Test Plan
- Early work with GSMA on Voice over IPX



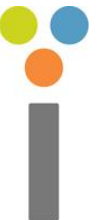
... we deliver again this year! - visit [www.i3forum.org](http://www.i3forum.org)

- More on Voice

- Wideband and Low Bit Rate codecs : more recommendations
- Signalling (ISUP <=> SIP, SIP-I Release cause issues)
- Quality of service management (based on Border Functions)
- Fax over IP (working with SIP Forum, to be delivered next September)

- Voice over IPX

- Building on a solid cooperation with the GSMA
- Change Requests to the IPX AA80 to be approved by IWG in June





... and again! - visit [www.i3forum.org](http://www.i3forum.org)

- Routing & Addressing (ENUM) white papers
  - Business & technical perspectives
- Voice Business Models overview
- Fraud & Security management
- Operational Processes - Migration
  - TDM to IP, H323 to SIP...
- Interco and Interop of HD VideoConferencing
  - e.g. Telepresence
- Training Initiative with Neotelis (bilat table A377)



# ... and we will keep working next year!

- Migrating Voice
  - ❖ QoS, Signaling, Codecs, FoIP
  - ❖ Fraud & Security management
  - ❖ Operational Processes
- VoIPX – with the GSMA
- HDVC Interconnection and interoperability
- Rich Communication Suite
- Carrier Business Models
- Routing & Addressing (ENUM) – with the GSMA
  - ❖ Models
  - ❖ Common language
  - ❖ Architectures
- Training Program with Neotelis

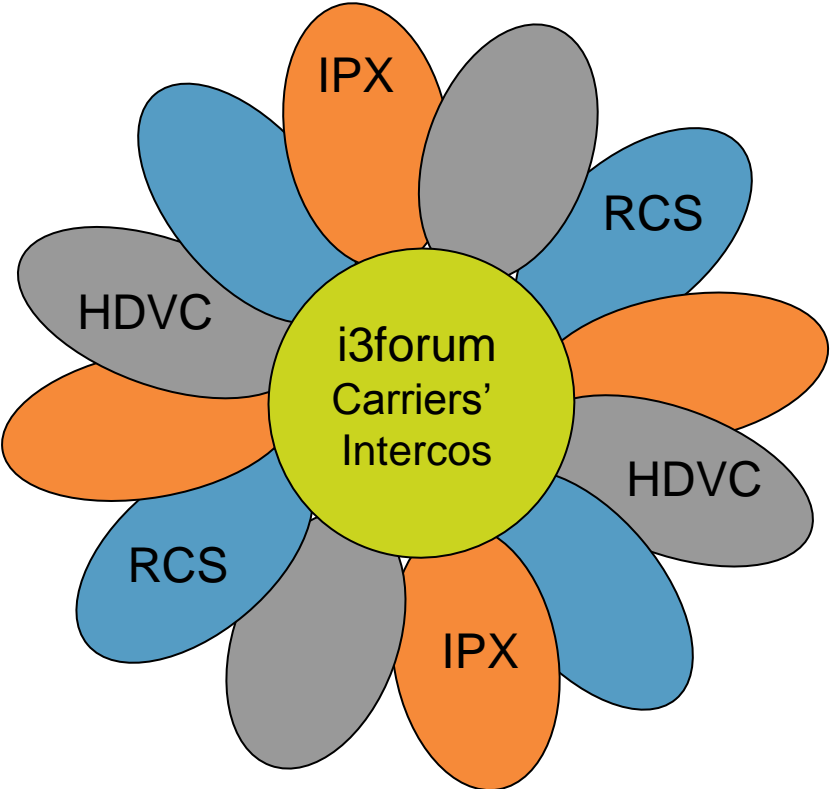


# First edition of the i3forum Technical Workshop!

- Vendors & Industry Bodies invited in Warsaw, June 15-16
  - Share i3forum requirements with vendors and standard bodies
  - push/drive standard bodies activities towards i3forum needs
  - Establish cooperation on a number of open topics
  - Vendor Neutrality a key aspect
- Workshop bringing together:
  - Vendors (TOP 20 vendors invited)
  - Industry Organizations (GSMA...)
  - Standardisation bodies (e.g. IETF, 3GPP, ITU-T, ETSI)
  - Industry forums (e.g. MSF, SIP Forum, NCS, etc.)
- Some topics:
  - Signalling
  - Fax over IP
  - Operational issues
  - QoS Control and Management
  - Voice over IPX
  - Routing & Addressing

# Working for and with the industry!

Flower Power ;-)



# Learn more about us - and stay tuned !



## 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.

→ Overview → Vision → Membership → Contact Us

### 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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### 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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## Visit [www.i3forum.org](http://www.i3forum.org)

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

international ip interconnection

[www.i3forum.org](http://www.i3forum.org)

i<sup>3</sup> forum



## Panel Session

Tuesday May 25<sup>th</sup> 2pm

Virginia A Ball Room

## Press Conference

Tuesday May 25<sup>th</sup> 3pm

Virginia A Ball Room

# Thank You !