

## **BEREC expert workshop on IP-Interconnection in cooperation with OECD**

**November 2<sup>nd</sup>, Bloom Hotel Brussels, 9:00-17:30**

The goal of the workshop is to bring experts from the IP- interconnection community in contact with experts on interconnection from national regulatory authorities and to discuss future interconnection in an all-IP world.

The Internet's way of using peering and transit as the basis for commercial negotiations differs considerably from the telephony's world of Calling Party's Network Pays. As a result even when talking the two worlds seem to be speaking about different things even when using the same words.

BEREC has been looking into these different approaches to interconnection in a series of papers since 2007 (ERG Report on IP-Interconnection 2007, ERG Common Statement on Regulatory Principles of IP Interconnection 2008, BEREC Common Statement on NGN future charging mechanisms, 2010). The OECD has studied Internet traffic exchange in a series of reports in 1998, 2002, 2005 and in a forthcoming paper in 2011. Furthermore, it has studied Internet traffic exchange in relation to the development of local content in cooperation with UNESCO and it has also organized a workshop on the topic in 2001 in cooperation with the German government. IP-interconnection markets are global markets crossing national borders and even continents. Therefore the OECD is singular in its analysis of trends in Internet interconnection taking a global perspective. Following the same objective of safeguarding competition, BEREC and the OECD take this workshop as a starting point hopefully to be continued in the future.

The format of the 4 session is intended to allow for an extensive discussion with the audience.

## **Programme**

**9:00-9:30 Registration and Coffee**

**9:30 – 10:00 Opening words by Monica Ariño, BEREC and Sam Paltridge, OECD**

**10:00-11:30 Session 1: The background of Internet interconnection**

The goal of this session is to outline the basics of Internet interconnection. Technical background: Peering (paid or free), transit, partial transit, variants (reciprocal transit etc.), “Public” versus private, application needs for QoS.

[Dennis Weller](#), Senior Advisor, Navigant Economics

[Martin Levy](#), Director, Hurricane Electric

**11:30-12:00 Coffee break**

**12:00-13:00 Session 2: IP interconnection, traffic trends, and implications for wholesale and retail prices**

The interconnection of internet networks has been described in terms of two-sided networks. The network provider stands in the middle and can receive money from either the content provider or the consumer. Is this description of the market accurate? What can the theory of two-sided markets teach us? What contribution can content providers give to the deployment of networks or alternatively what is the role of network providers in content?

[Scott Marcus](#), Director, WIK-Consult,

[Bill Krogfoss](#), Strategy Director, Chief Technology Office Alcatel-Lucent

**13:00-14:00 Lunch**

**14:00-15:30 Session 3: IP Interconnection and differentiated QoS**

Mike Blanche, Program Manager - Network, Peering and Content Distribution, Google,

[Falk von Bornstaedt](#), Head of Peering, Deutsche Telekom

[Patrick Gilmore](#), Chief Architect, Akamai

**15:30-16:00 Coffee Break**

**16:00-17:10 Session 4: The Future of Interconnection**

The Internet hasn't done away with telephony as a very important means of communication.

The growth of mobile telephony has even been more dramatic than the growth of Internet. There have been calls in academic journals and on regulators directly to both impose the Internet's way of interconnection on telephony and vice versa the telephony's way interconnection on the Internet.

- Can we expect the market to evolve into one model or the other for all traffic?
- Could a hybrid model evolve?
- What role will new services on networks play? Will new demands be placed on interconnection?
- What characteristics of both models should survive?

Panel: [Eric Ralph](#), Chief Economist of the Wireline Competition Bureau, FCC (Video message and telco);  
Andreas Sturm, De-Cix;  
Mike Blanche, Falk v. Bornstaedt, Patrick Gilmore; Martin Levy,

***17:10-17:30 Wrap-up Cara Schwarz-Schilling, BEREC and Rudolf van der Berg, OECD***

Venue: Hotel Bloom,  
Rue Royal 250 Koningstraat, 1210 Bruxelles – Brussel,  
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Rooms can be reserved at the Hotel Bloom ([www.hotelbloom.com](http://www.hotelbloom.com)) at the special rate of 109,00 € plus city tax on November 1st. Please make your reservations directly with the Hotel mentioning the workshop.

Please confirm your attendance to [Dirk.WALPUSKI@bereg.europa.eu](mailto:Dirk.WALPUSKI@bereg.europa.eu) by October 26th.