

NGMN

July 2006

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Next Generation Mobile Network (NGMN)

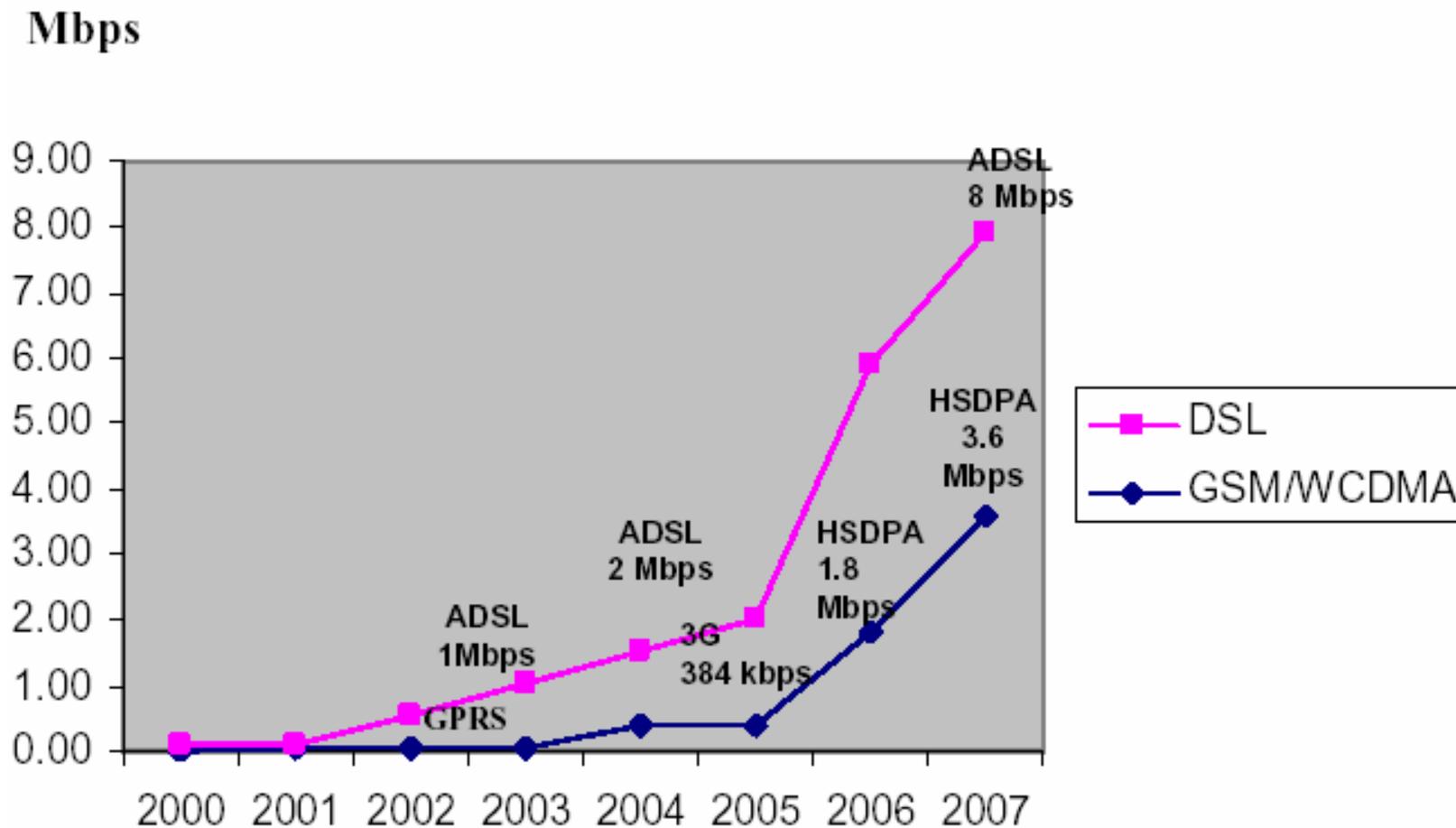
+ NGMN is a co-operation of leading Mobile Network Operators



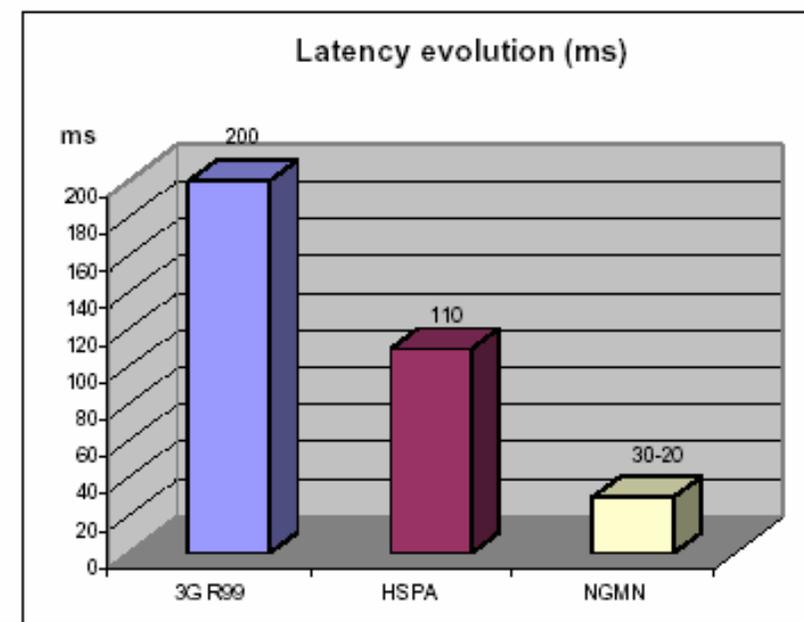
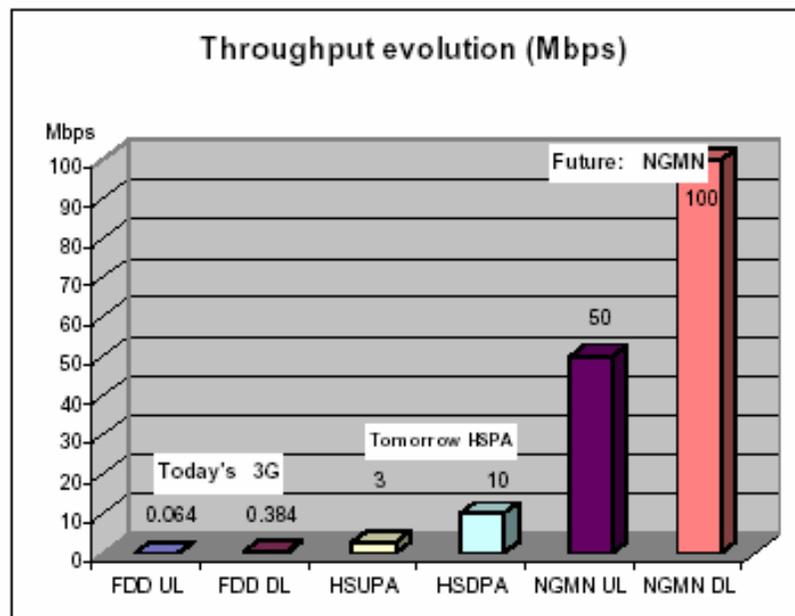
**NGMN is an open global initiative.
NGMN represents more than 700 mil customers.**

+ NGMN was initiated to ensure customer's expectations; Operators acting as the ambassadors of the customers.

DSL performance defines user expectations



NGMN is meant to be a big step in terms of performance.



NGMN Targets

- + Focus: Mobile network beyond 3G**
- + Standardisation at 3GPP shall be executed according to operator's needs**
- + Network shall be competitive in terms of customer's perception**
- + Network shall be cost efficient and maximise reuse of current assets like sites, transport network, frequencies etc.**
- + NGMN shall ensure a transparent and predictable IPR regime**
- + NGMN shall not harm the development of HSPA**

NGMN – The Story

NGMN is driven by common Mobile Operator requirements. The NGMN White Paper (WP) was published in June 2006.

- 2004:** First discussions of KPN, Orange, T-Mobile and Vodafone
- Aug. 2005:** Expert groups of these operators drafted the first version of WP
- 3Q/4Q 2005:** Feasibility Study with 5 vendors
Feedback: Realistic requirements; Bandwidth, latency, timing, Cost
- 4Q/2005:** Set-up NGMN Task Force; Alignment of Technical issues
- 03/2006:** WP v2.0 based on feedback; Sprint-Nextel joined NGMN
- 05/2006:** China Mobile and NTTDoCoMo joined NGMN
- 06/2006:** NGMN Industry Conference

- 08/2006:** *NGMN Ltd. foundation*

NGMN – Fundamental timeline and deliverables

End of 2008: Standards completed

In 2009: Systems and devices available for operator trials

In 2010: Commercial Service possible on a country and operator-specific basis

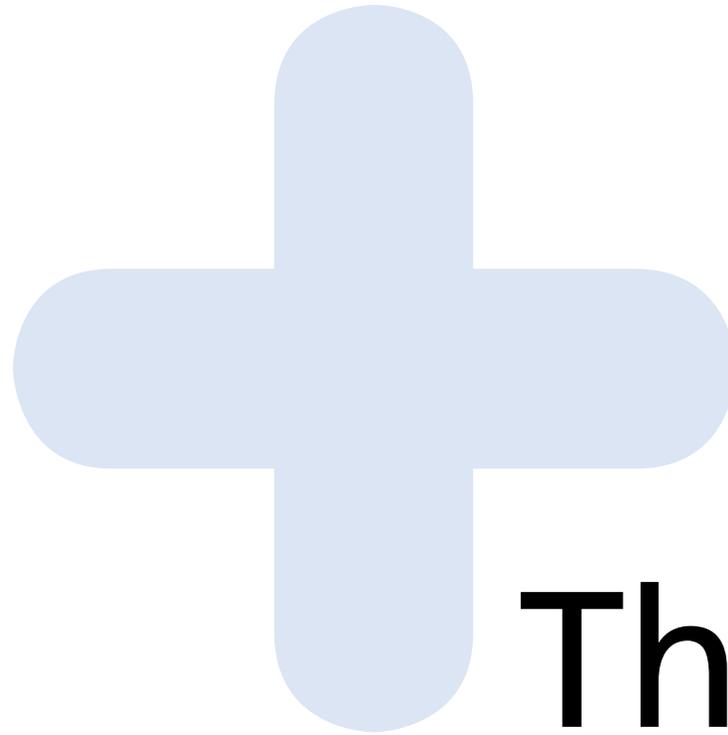
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Thank you