



BlasCom IT

IT & TELECOM STRATEGY

Technological Advice for Telecommunication networks



***Decision-making Assistance & Accompaniment
on the different telecom infrastructures technologies
to be implemented, for a controlled evolution
of your network***

Introduction

FTTB, Satellite, Bluetooth, xDSL, CPL, Wi-Fi, WiMax, RFID...
World interconnection is moving.

In B2B as in B2C, impacts on organizations and trades processes are major,
from mobility to e-services, from e-business to medias.

Which are the different technologies of networks, their assets and their limits?
Which are the alternatives?
What can one expect some?

*BlasCom IT proposes to you to clear up yourselves on telecom networks,
for better understanding today, envisaging tomorrow,
and to optimize the connectivity of your organization.*



A neutral & relevant Vision of the BlasCom IT's consultants

To the very high rate networks, and a full time connectivity

A report : the IP convergence

**The marriage of wired telecom architectures, unwired, cable and satellite :
Towards a connectivity without geographical constraints**

What becomes ATM, Frame Relay ... and X.25

Towards M2M networks

Networks of human beings; fatal drift

Telecom Infrastructures

A plethoric offer

Manufacturer and operator's situation, witch lift up one's head

Optical fiber as The star : colorized fiber, DWDM, plastic fiber

The telephony and the very high rates : 10G

The satellite offer

IMS for universal access to IP applications

IPv6 : Yes or No ?

An essential 'companion' to be implemented : the Quality of Services, QoS

Datacenter Hosting: Cloud Computing ?

Intelligence from now, in the heart of the networks:
compression, load balancing, WAFS, applicative routing...

The Local Networks Evolution

The wired local networks:

Ethernet geographical extension
10 Gbps Ethernet ... while waiting for Tbps
The maturity of the electric wiring: CPL

The unwired local networks:

The situation is clarified : 802.11b, 802.11g & 802.11n or the inevitable progression towards Gigabit
The standard : Mimo or 802.11n
The quality of service on Wi-Fi networks
Wi-Fi and the geolocation
The Wi-Fi security to be studied in details
The incredible hotspots development : for which business models ?
Wi-Fi Extension networks to Mesh Networks

The WiMax ...is already dead ?

Telecom infrastructures will consist of an association of different technologies :
satellite, Wi-Fi, HSPDA, xDSL.....

The Pico- Networks



Bluetooth at 55 Mbps

UWB to remove cables

WUSB at 480 Mbps for a true personal network

The specific case of the RFID networks

The Wireless Local Loop



Optical fiber, an alternative to xDSL: FTTB, FTTH

Ethernet and the WLL

Evolution of xDSL solutions

Unbundling situation for countries resulting from the telecom monopoly

VDSL : a way without future ? xDSL technological limits are close

**xDSL packages services and fiber :
TV broadcast, On Demand TV, telephony, Internet, ...**

The Cellular Networks



The chaotic development of high rate unwired networks : WCDMA, HSDPA

The standards war is diffuse but quite real : 3 continents clash

An intermediary solution : Edge

But the LTE (Long Term Evolution) technology will be essential...

**High rate Mobile communications Usages :
Visio/video conferencing, geolocation, home automation,
payment without contact systems, TV,....**

UMA : the convergence of cellular networks and Wi-Fi networks

MVNO: is there a long term future ?

The Telephony makes its change



The IP telephony : Who can avoid ?

IP Centrex

Voice on Wi-Fi and Bluetooth

SIP re-emplac H.323 for signalization

For consumers : a new business model

Free Telephony on Internet : For how long ?



Networks Management & Administration, and at the end : the workstation

Standards actualization: SNMP 3, MIB, RMON...

Administration solution the most relevant

and







**In such a connected world, workstations and PCs
remains more than ever strategic and structuring.**

**Microsoft or Linux client, RIA, light client, mobile desk, PDA and smartphones :
Never options were also opened.**

What are the stakes and the tendencies? What are the possible choices?

**What are the incidences in term of productivity, of deployment,
of administration, of security and in TCO ?**

Our Services

-  -Technologies Decision-Making Assistance
-  -Strategy Definition
-  -Technological Benchmark
-  -Network Architecture Design
-  -Offers Definition
-  -Skills Transfer & Training

Our Assets

Independence
End Users Vision
Concrete Experience
Team Spirit
Expertise
Experience Feedback
Transfer of Technology



Some BlasCom IT references



Alcatel-Lucent



Bretagne
Contrôle Laitier

Au cœur de votre élevage



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