



Your IPv6/v4
Solution

The New Generation Internet Start-up

Patrick Cocquet, 6WIND CEO, IPv6 Forum VP

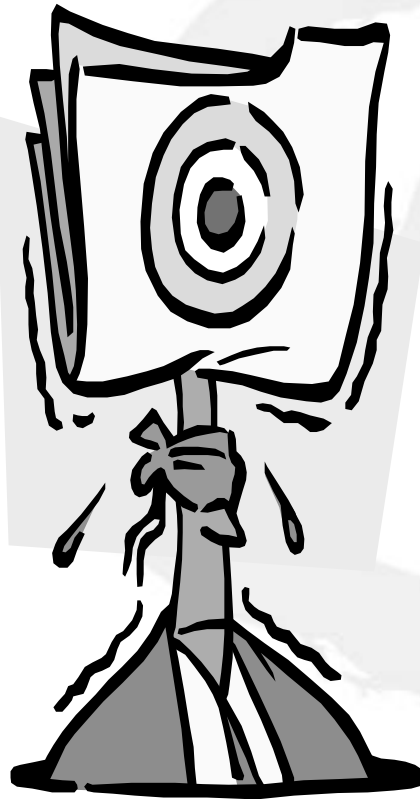
- The right moment for launching an IPv6 company
- IP Network Migration Paradigm
 - Network architecture model
 - Edge Devices for migration
- 6WIND
 - Who are we ?
 - Our strategy
 - On-going R&D projects
 - First range of products
- IPv6, an opportunity for Europe !



The right moment for launching an IPv6 company

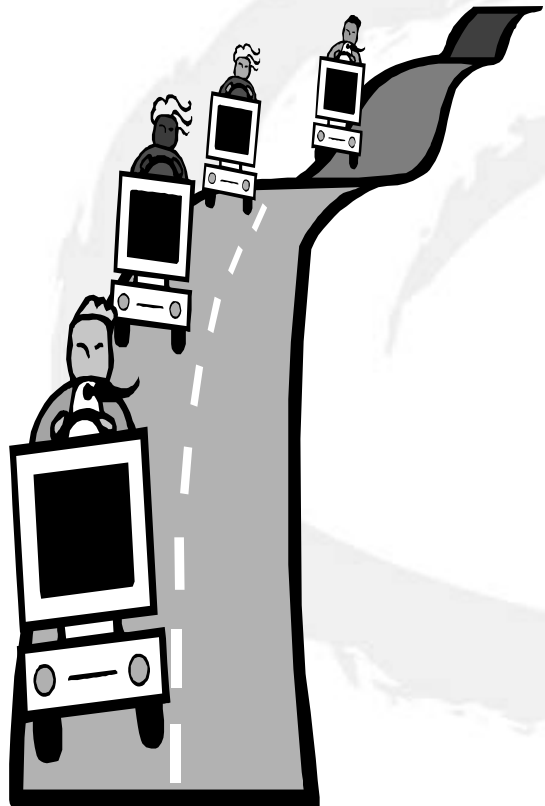


- It's a requisite
 - IPv4 exhaustion !
- There are disruptive applications
 - Wireless, Home Networks
- Standards are mature
 - Numerous experimentations
- Major companies are anticipating the v6 rising



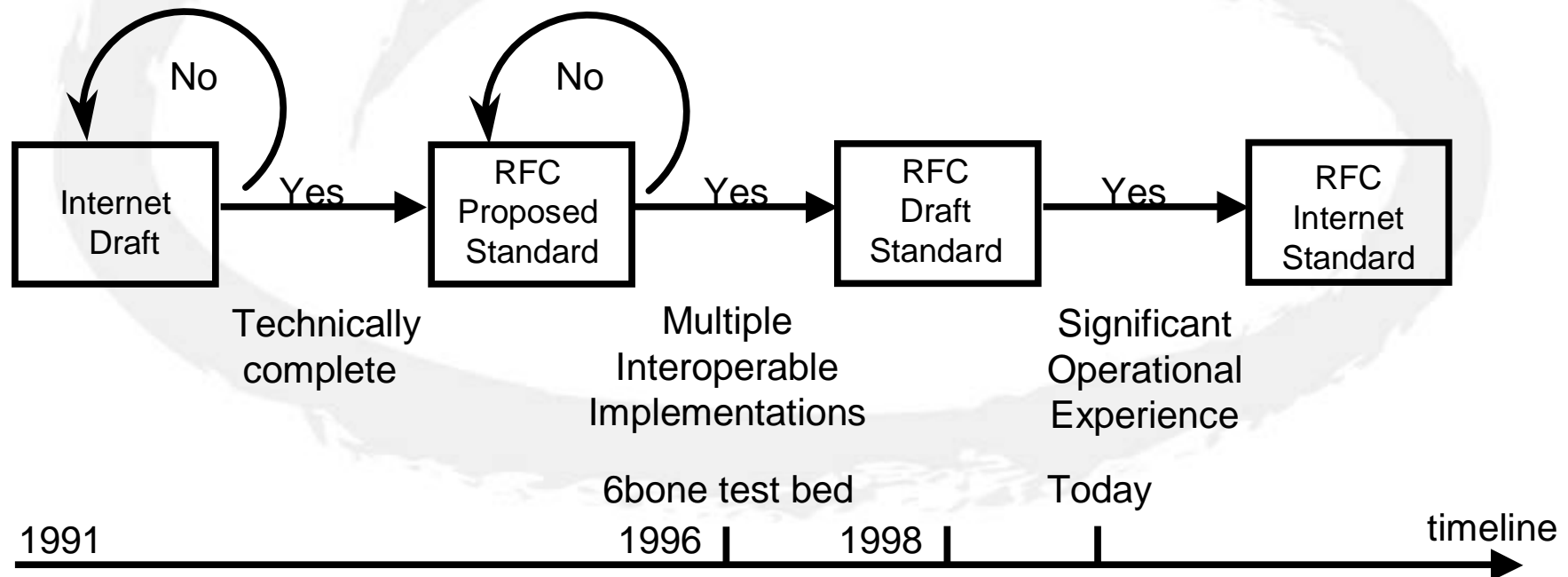
- Truth will out !
 - IPv4: no more than 160 millions usable addresses !
 - Short term IP address allocation is no longer a solution. We are moving towards an “Always on the Net” model.

Disruptive applications



- The up coming offer of smart IP wired and wireless appliances is the beginning of a new technological revolution !
 - Multimedia
 - Service end-point
 - Plug and Play mode of use
- Billions of IP-addressable wireless handsets and house appliances

- Core specifications achieved Draft Standard status





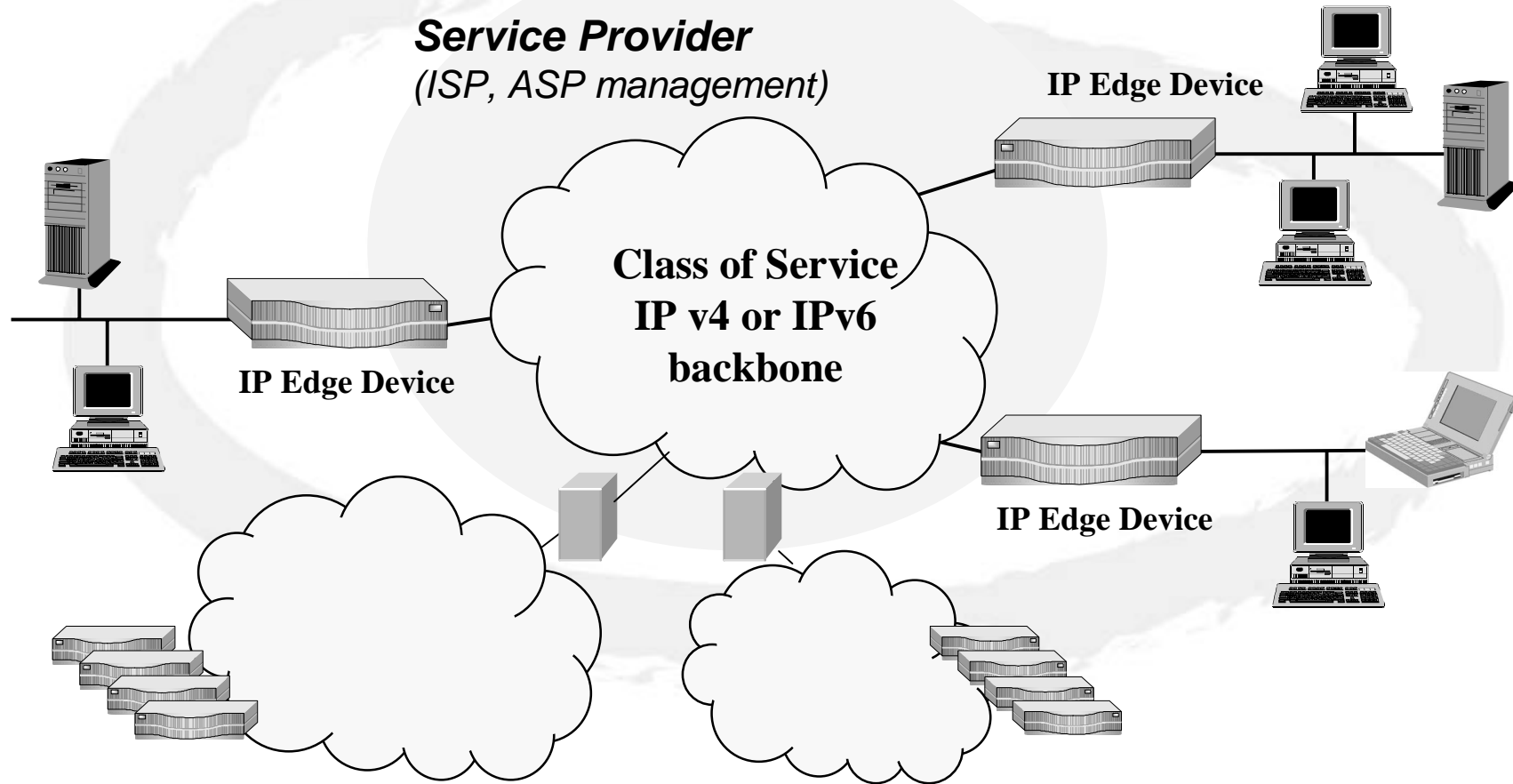
- IPv6 in Operating Systems
 - MS Windows, Solaris, Linux, BSD, OpenVMS ...
- IPv6 in Routers
 - Cisco (Q1 2001), Ericsson, Hitachi...
- Network Providers
 - Research & Educational Net
 - Commercial Net: NTT, Zama

We are now looking for early adopters !

- IP is becoming a multimedia telecom protocol
 - From best effort to differentiated quality of services
 - From unsecured to differentiated level of security
 - From fix to nomad
 - From an unique provider to a choice of providers
 -

**A new building need first a solid foundation !
New Internet Services have to be built on IPv6 !**

- **Goal**
 - Strong improvement allowing to gain market shares
- **Constraints**
 - No D day, no service interruption, no constraints for customers...
- **Solution**
 - Include “migration box” in the Network Architecture
 - Master the management of new services



- The IPv6 start-up company
 - Spin-outing of the Thomson-CSF IP Network development activities
 - Starting day : 1st September 2000
 - Team : 20 employees
 - Experience : 5 years of IP R&D activities
 - Member of the IPv6 Forum Board (VP)

Seed partners

- Incubator
 - TechFarm
- Funding partners
 - CDC Innovation
 - TechFund
- Industrial partners
 - Thomson-CSF
 - Other announcements coming soon ...

- Delivering “Migration Boxes”
 - Range of Edge Devices including all features (QoS, Security, Mobility, v4/v6...) in one box !
- Providing expertise and engineering for migration solutions

- Three segments :
 - ISPs, Enterprises (first year)
 - Wireless access Edge Devices
 - Home Network Gateways
- Progressive broadening of the target segments
- Catalogue of products per target



6WIND R&D Projects

Your IPv6/v4 Solution

- IPv6 Deployment projects
 - **French RNRT @IRS project leader**
 - **Partner of the 6INIT and 6WINIT European IST Projects**
- Projects leading to new IP services developments
 - **Partner of ANDROID and GCAP IST projects**

- December 2000: first set of products
 - 6200 series / 6400 series
- Q2 2001: integration of new functions
 - New set of IPv4-v6 integration functions
 - IP Mobility
 - Remote programming features
- Q4 2001: wireless local loop access
- Q1 2002: optimized version for consumer market



6200, 6400 series

First set of Edge Device Functions

- Quality of Service
 - Traffic differentiation (EF and AF)
- IP VPN
 - IPsec with IKE and PKI interface
- IPv4 - IPv6 Integration
 - Tunnels (6in4 and 4in6), 6to4
 - Translators
- Mobility
 - Home agent



In conclusion

- IPv6 backbone enables new applications development :
 - Better multi-media performance
 - More secure e-commerce using IPSec
 - True mobile Internet
 - Multicast contents
- And a more efficient Service management

IPv6, an opportunity for Europe !



- It's time to decide !
 - IPv6 is an absolute must
- Europe needs NOW early IPv6 adopters
 - ISPs
 - **For enterprises**
 - **For consumers**
 - Content providers
 - Application providers



Winners in New Internet Transition will be those who will start integrating IPv6 devices first !

So, choose the right decision !

The end

- Questions ?
 - Info@6wind.com
- Web sites
 - www.6wind.com
 - www.ipv6forum.com
 - www.6init.org
 - www.lip6.fr/airs