100GE in ROUTERS

Luc Ceuppens
Vice President, Product Marketing
Demand for 100GE is not new

We're trying, in the backbone space, as quickly as possible, to get to 100 GE

Stuart Elby, Verizon, May 09

100GE needed for broadband urgently in the core by 2009 and across the board by 2011

John Weil, Cox, Apr’07

There is a market need for 100GE

Vik Saxena, Comcast, Jan’07
Drivers for higher speed Ethernet

- Growing demand for 10 GE end user services
- Cleaner than LAG or inverse multiplexing
- Cloud Computing Networks (grids) are the next driver for bandwidth
- Virtualized or logical routers need high-speed uplinks to fully realize cost savings
- Wholesale services require higher speed connections
- Improved network economics & scaling
100 GE interface card

IEEE802.3ba compliant
100GE PIC

T1600
IEEE P802.3ba Task Force Timeline

* Adopted by IEEE P802.3ba TF at March 08 Plenary
Short-term challenges

- Huge pent-up demand
  - Global service providers
  - Data center

- Limited component supply
  - CFP
  - Phy

- Limited product availability hampers trials and deployments
THANK YOU