61 RIPE Meeting
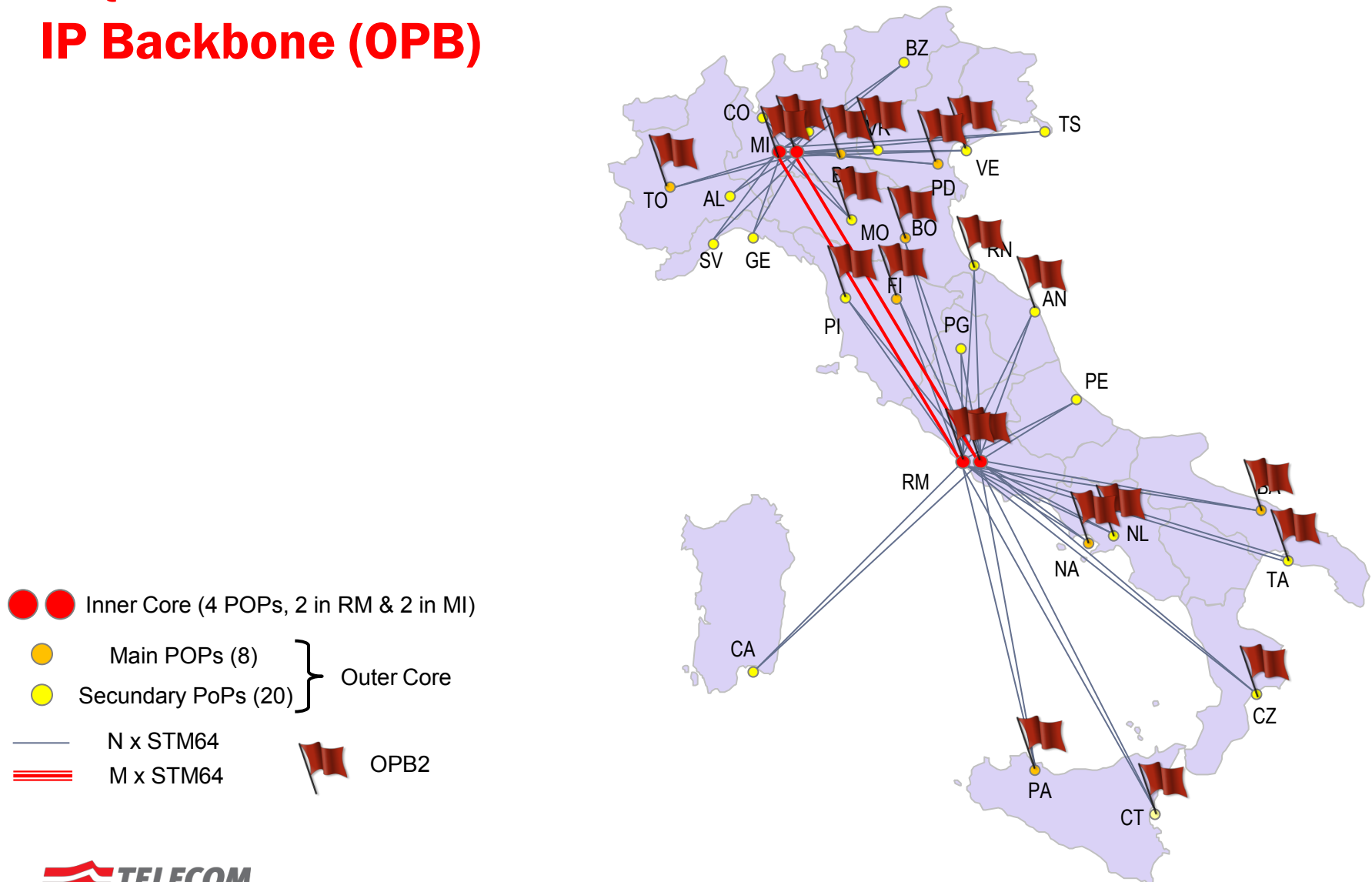**Rome, 18 November 2010**

IP Peering Policies in TI

TELECOM ITALIA/TECHNOLOGY & OPERATIONS/NETWORK/TILAB
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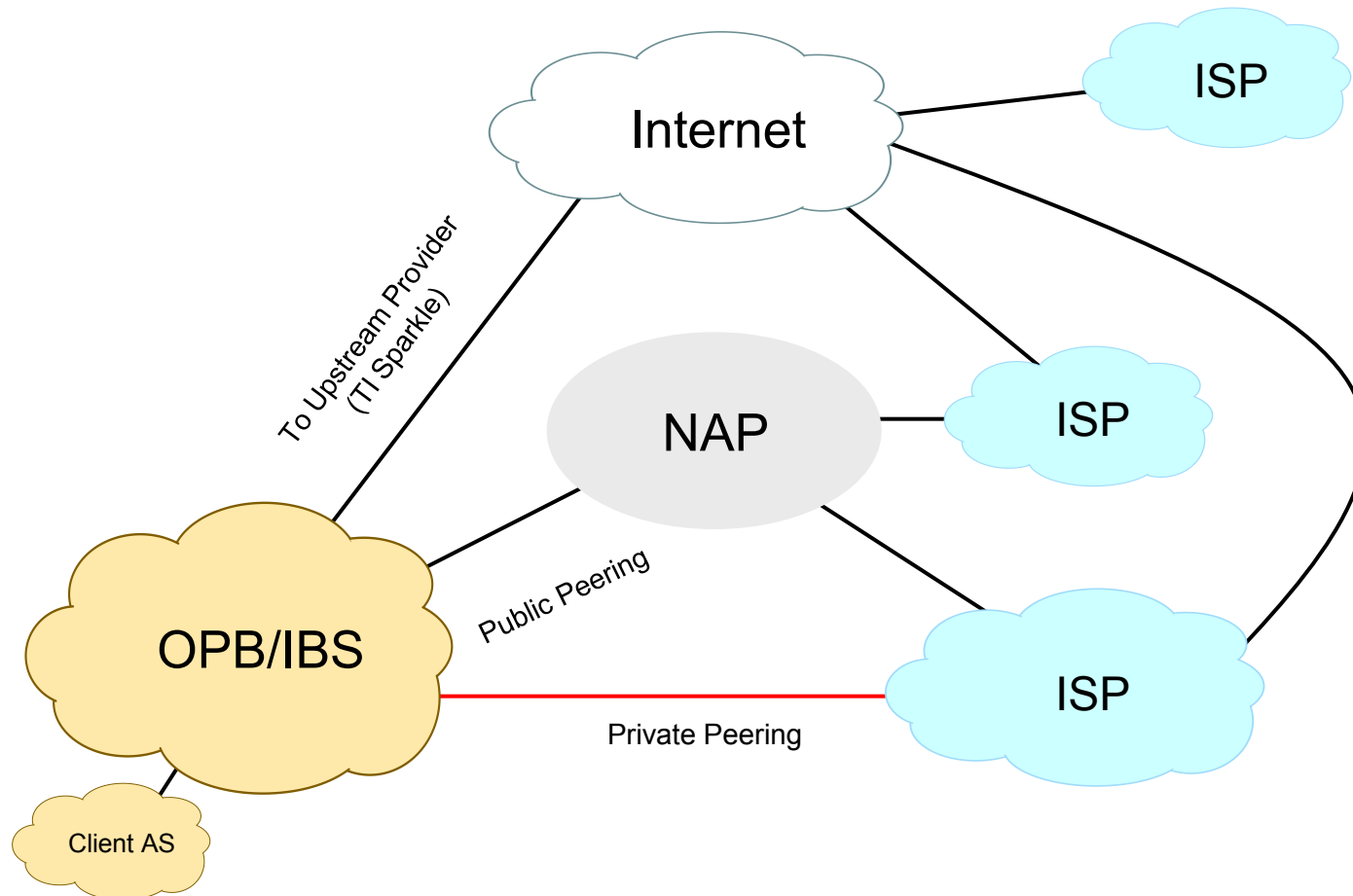**ITALIA**

A Quick View of TI
IP Backbone (OPB)

The "Zero Axiom"

Telecom Italy has always pursued the policy of promoting national peering with other telecommunications operators and ISPs.

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Presence

- Telecom Italy is present in all the Italian NAPs

- Telecom Italy has established peering relationships with all the recognized TELCOs and ISPs either through its points of presence by the public NAPs or through private peering arrangements with the major operators

- Constant effort and ongoing investments to ensure reliability and increasing capacity

- Gateway Router Cisco 12x16 GigaSwitch class or higher

- Total bandwidth available to the NAPs > 60 Gbps

- Total private peering bandwidth > 100 Gbps

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The OPB Internet Exchange Points

Three Simple Rules

- **If you are a Client you are not a Peer**

- **You first get what you are paying for**
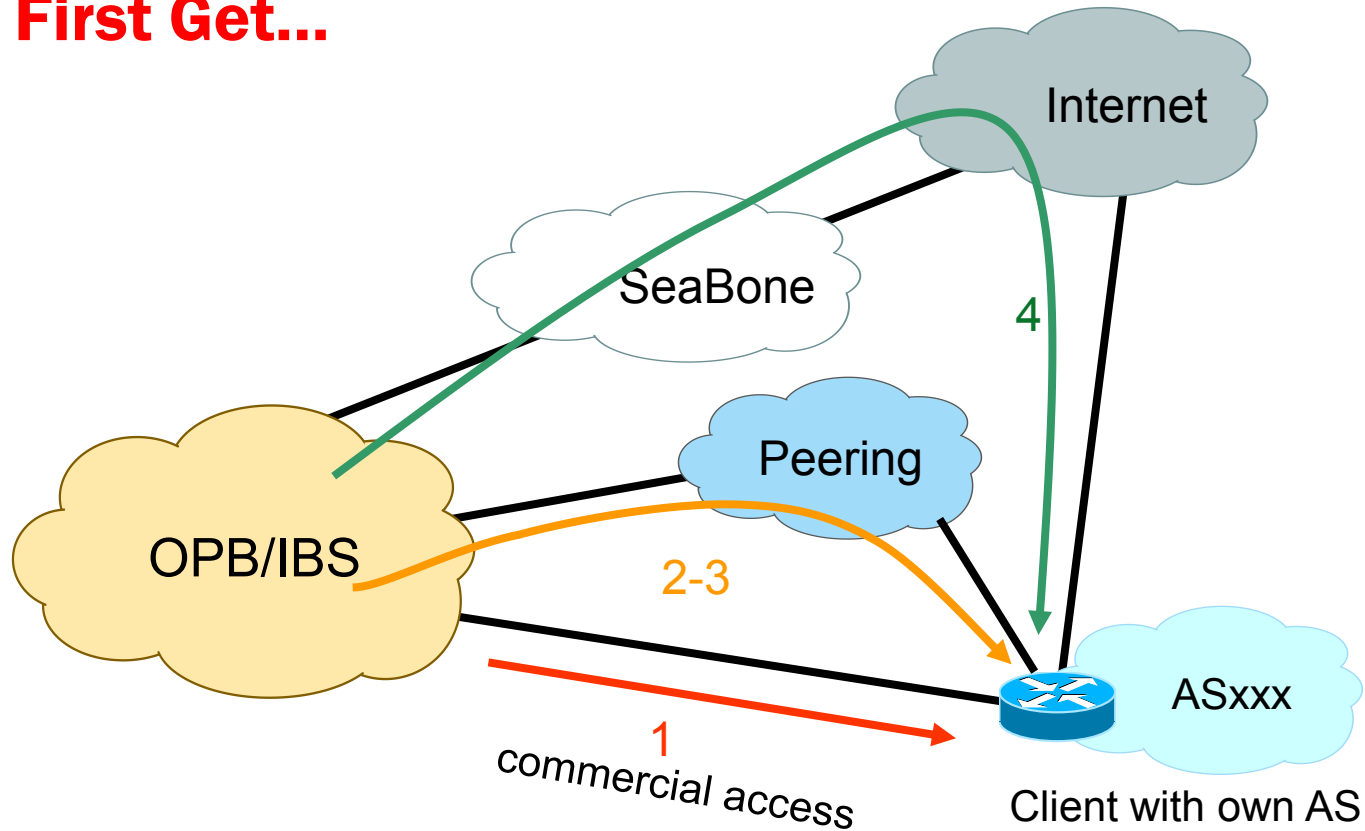
- **No Transit through peering**

If You Are a Client...

There is a good old saying that goes:

"Once a peer, never a customer".

We generally implement this rule. Nevertheless, we understand a new commercial model is needed now, especially for content providers.
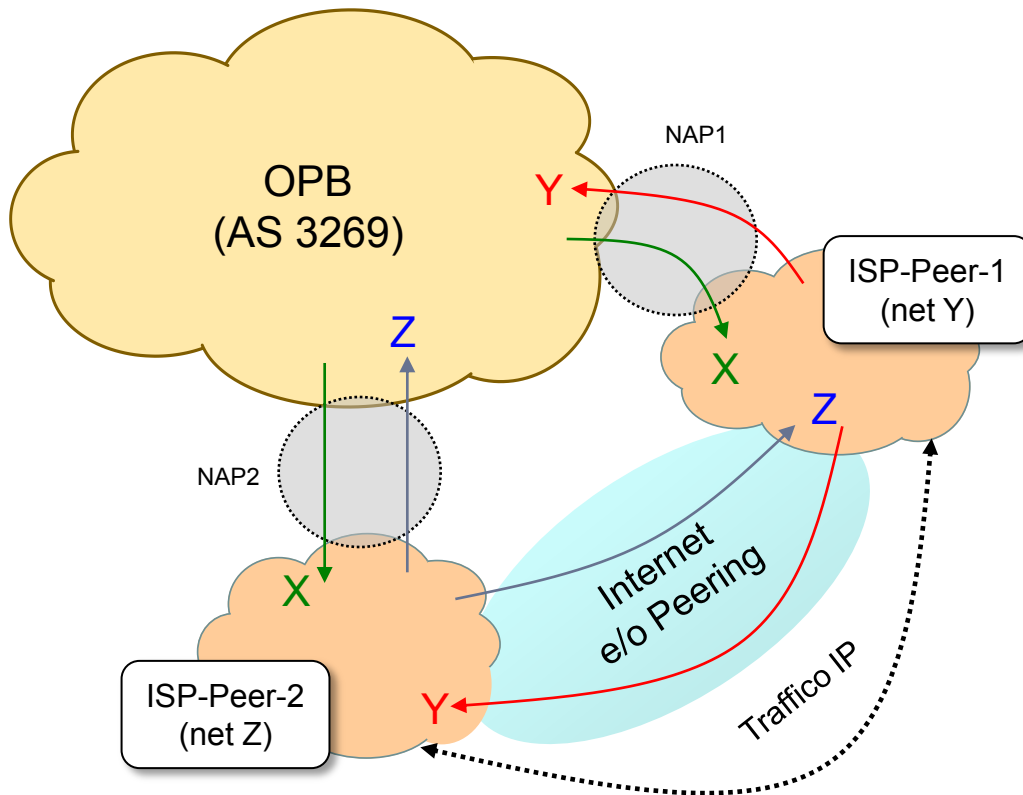
You First Get...

2 = Private Peering; 3 = Public Peering;

(and here you can see the good ol' saying makes a lot of sense…)

No Transit …

X = OPB networks (inclusive of Client AS ones) advertized to ISP-Peer at a NAP

Y, Z = ISP-Peers Networks (inclusive of own Client AS ones) advertized to OPB at a NAP

Networks Y as learned from ISP-Peer-1 are not propagated (i.e. advertized again) to ISP-Peer-2.

Networks Z are not propagated to ISP-Peer-1.

In other words OPB does not allow transit for peering traffic (both for private and public peering).

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Thanks For Yours Attention!

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