



Update on
Milan **I**nternet **eX**change
RIPE 52

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RIPE 52 – Istanbul



Members

- 56 members (as in September 2004)
 - 6 lost (Cable&Wireless, Shiny, Telefonica Deutschland, OpeNNet, Planet, Ecsnet)
 - 2 incorporated (Noicom and Grapes in Eutelia)
 - 8 new (Unidata, STT, Uno Communication, ScanPlus, Acantho, Enter, Plexia, Seeweb)
 - 2 renamed (ePlanet to Retelit, Intelcom San Marino to Telecom Italia San Marino)
 - First 10G customer connected (Telecom Italia)



Carriers & Operators

- 13 Carriers
 - With their own transmissive equipment
- 16 “local” operators
 - Providing intra-campus fiber connections
- Up-to-date list
 - http://www.mix-it.net/carrier_en.html

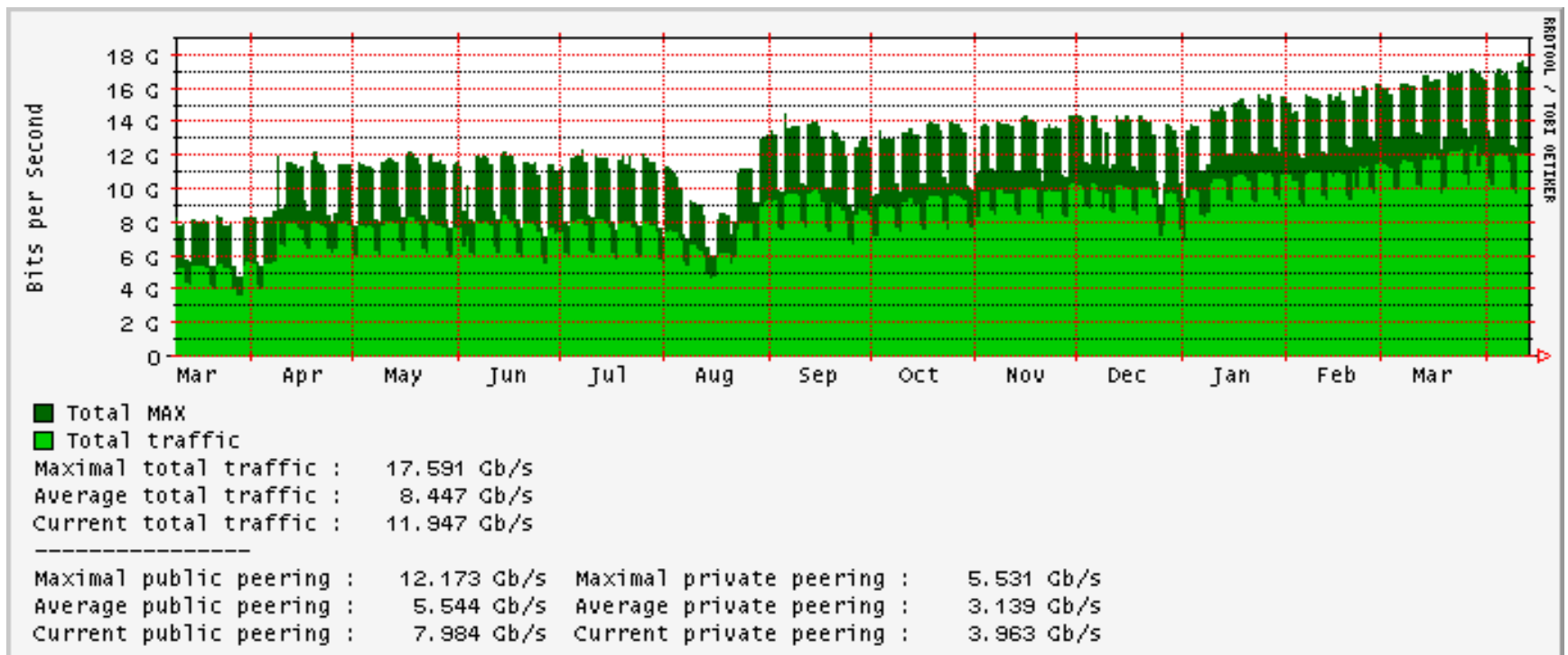


Traffic statistics

- Private peering included since April 2005
- + 4 Gbps since last September
 - mostly public peering
- Peak of ~ 17.5 G
 - Italian election



Traffic statistics





Statistics for members

Internet eXchange - Mozilla Firefox

Visualizza Vai Segnalibri Strumenti ?

http://www.mix-it.net/members/statistiche/statistiche_en.html

HOME

Milan Internet eXchange

Powered by **FOUNDRY NETWORKS**

Founder Member of **Euro-IX**

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Real Time Statistics	Traffic Matrix	History of daily statistics
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What's new

- Administrative
 - New charging scheme
 - Lower prices
 - MIX admission policies relaxed
- Technical
 - Electrical power system upgraded
 - MIX OUI from IEEE
 - We can assign MIX MAC address



New charging scheme

- Lower prices for base service
- Bonus for ISPs with increasing traffic
 - Only for public peering
 - Over a 6 months period
- Not yet in force
 - Within June 2006



MIX policies relaxed

- Starting from June 2005
 - Even hosters can connect to MIX
- First hoster connected: Seeweb
 - One of the largest Italian hosters



Electrical upgrade

- Two new boxes
- Total supply of 120 kVA
 - 60 kVA each
- Complete redundancy
- 30 minutes of battery supply
 - Before generator starts

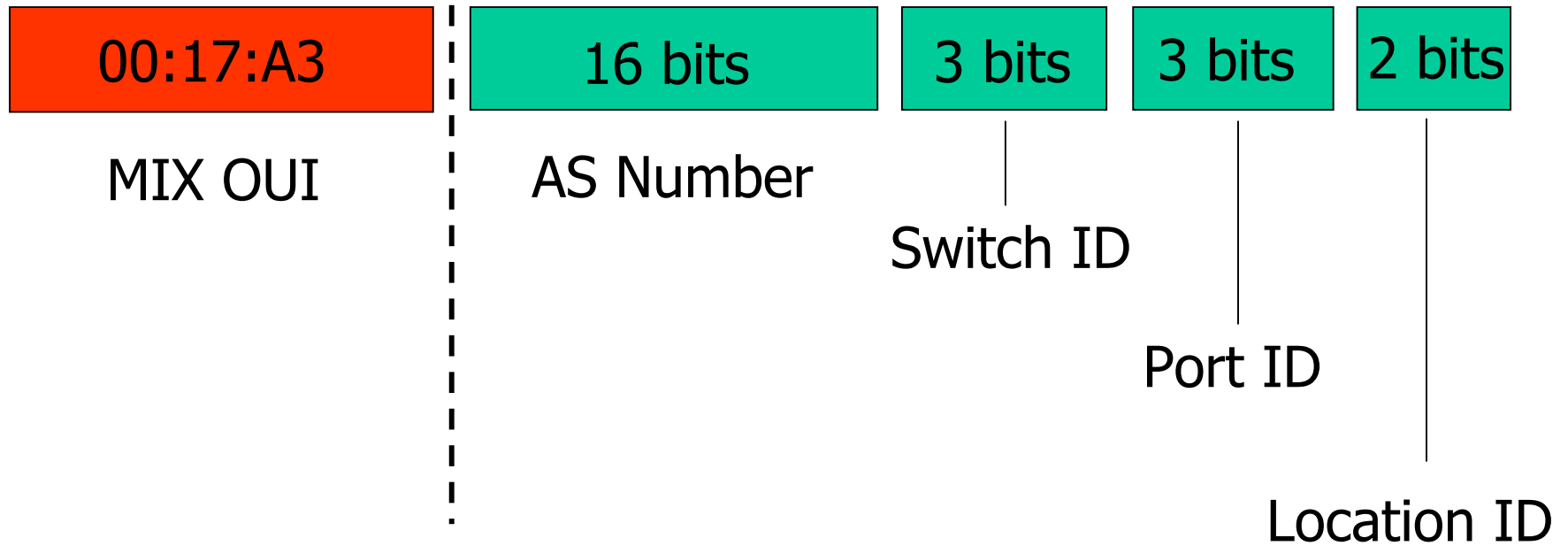


MAC address – why

- Better control over public VLAN traffic
- Better handling of:
 - Remote peering devices
 - MPLS L2 customers
- Port security mechanism
 - No conf changes on card substitution
- We are the first, afaik 😊



MAC address – how





MAC address – when

- Currently deploying
 - Already moved some customers
- Migration of small groups of ISPs (~ 5)
- So far, no complaints



Thanks!

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