



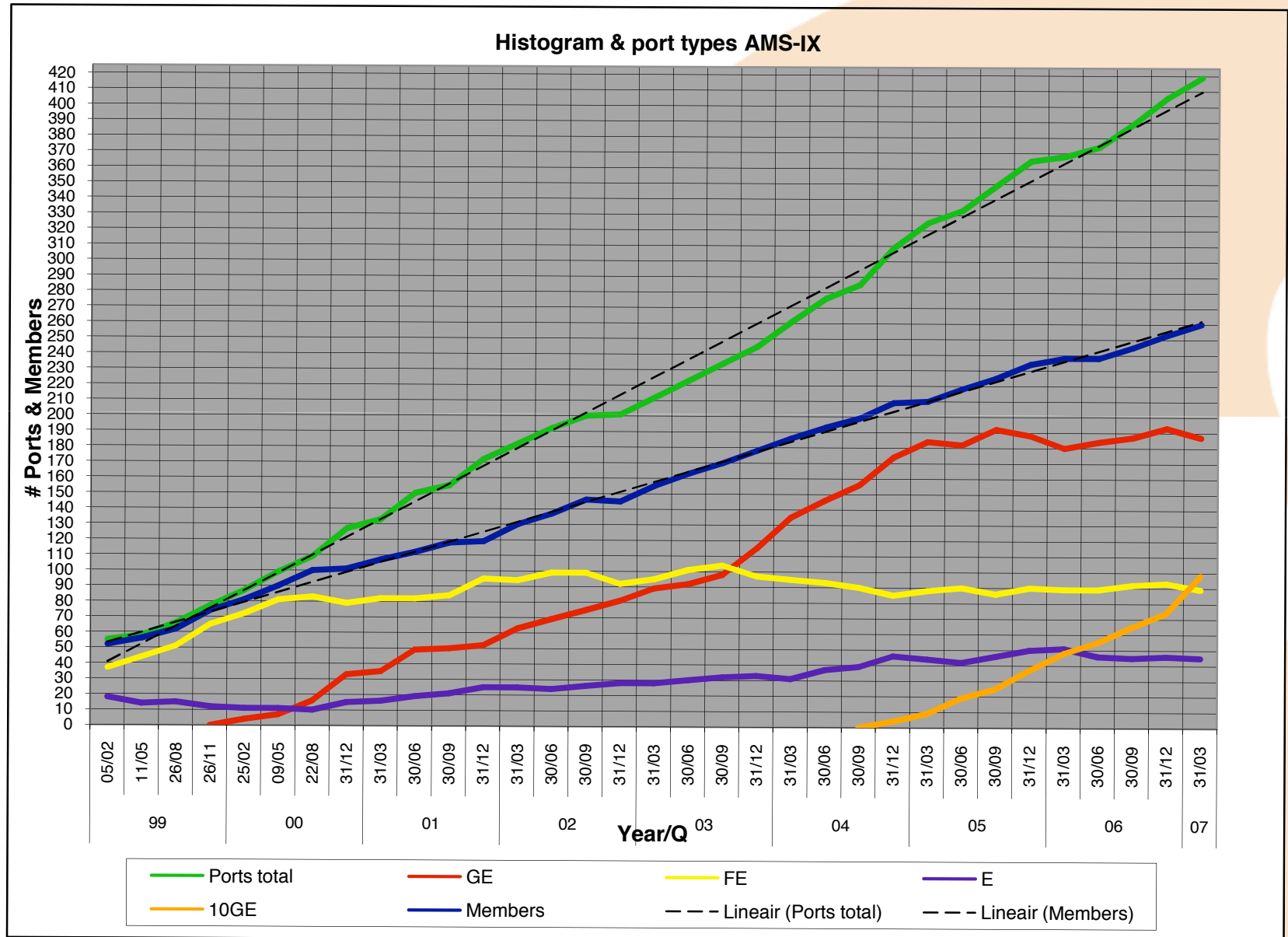
# AMS-IX Update

RIPE54 Tallinn

9th May 2007

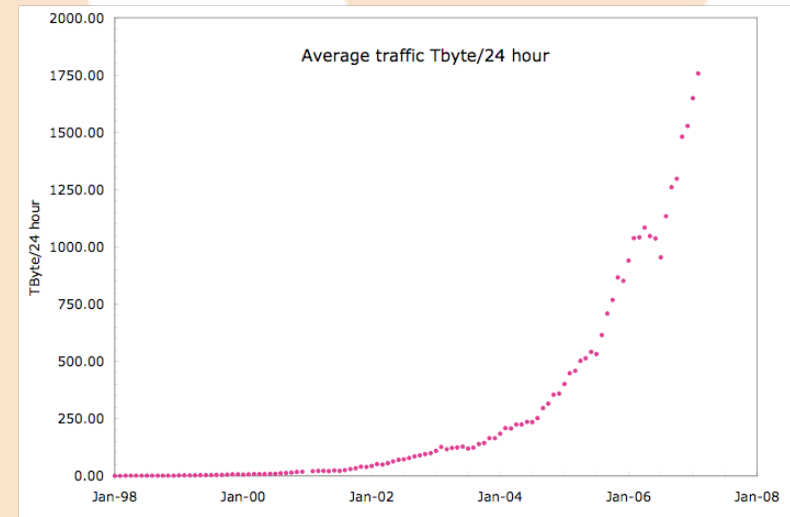
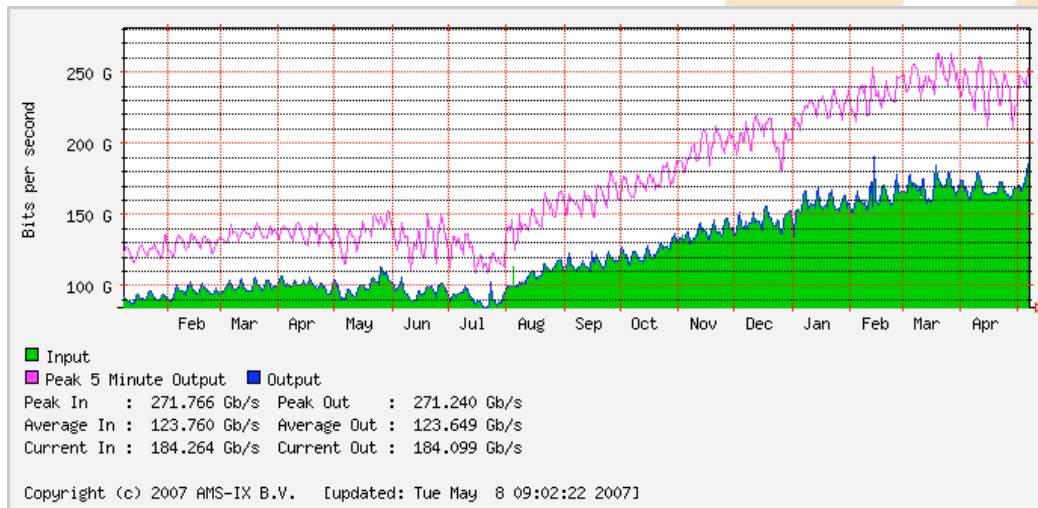
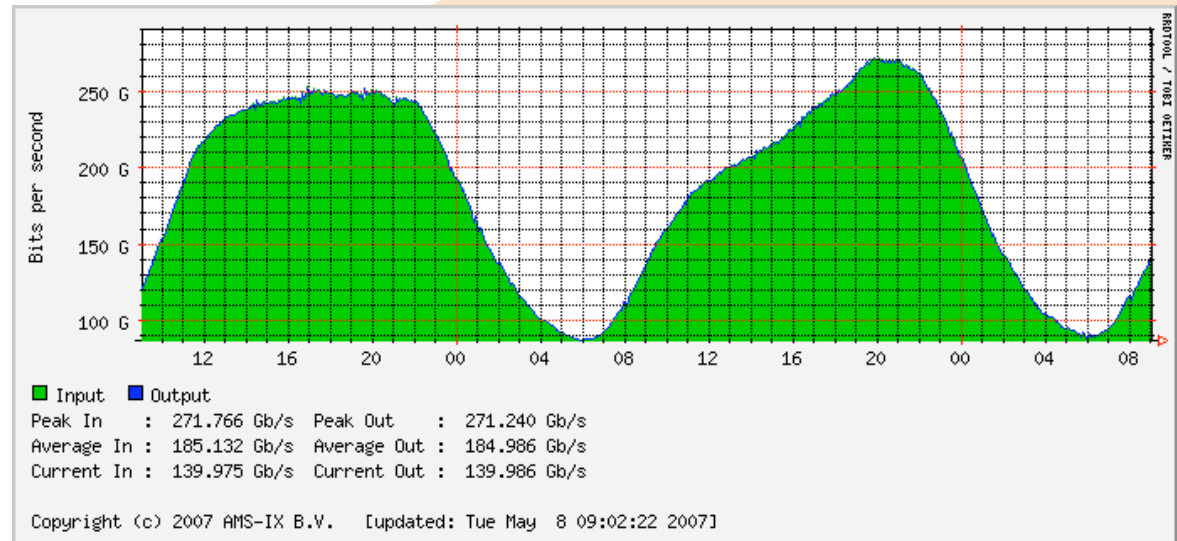
[steven.bakker@ams-ix.net](mailto:steven.bakker@ams-ix.net)

# Historic overview



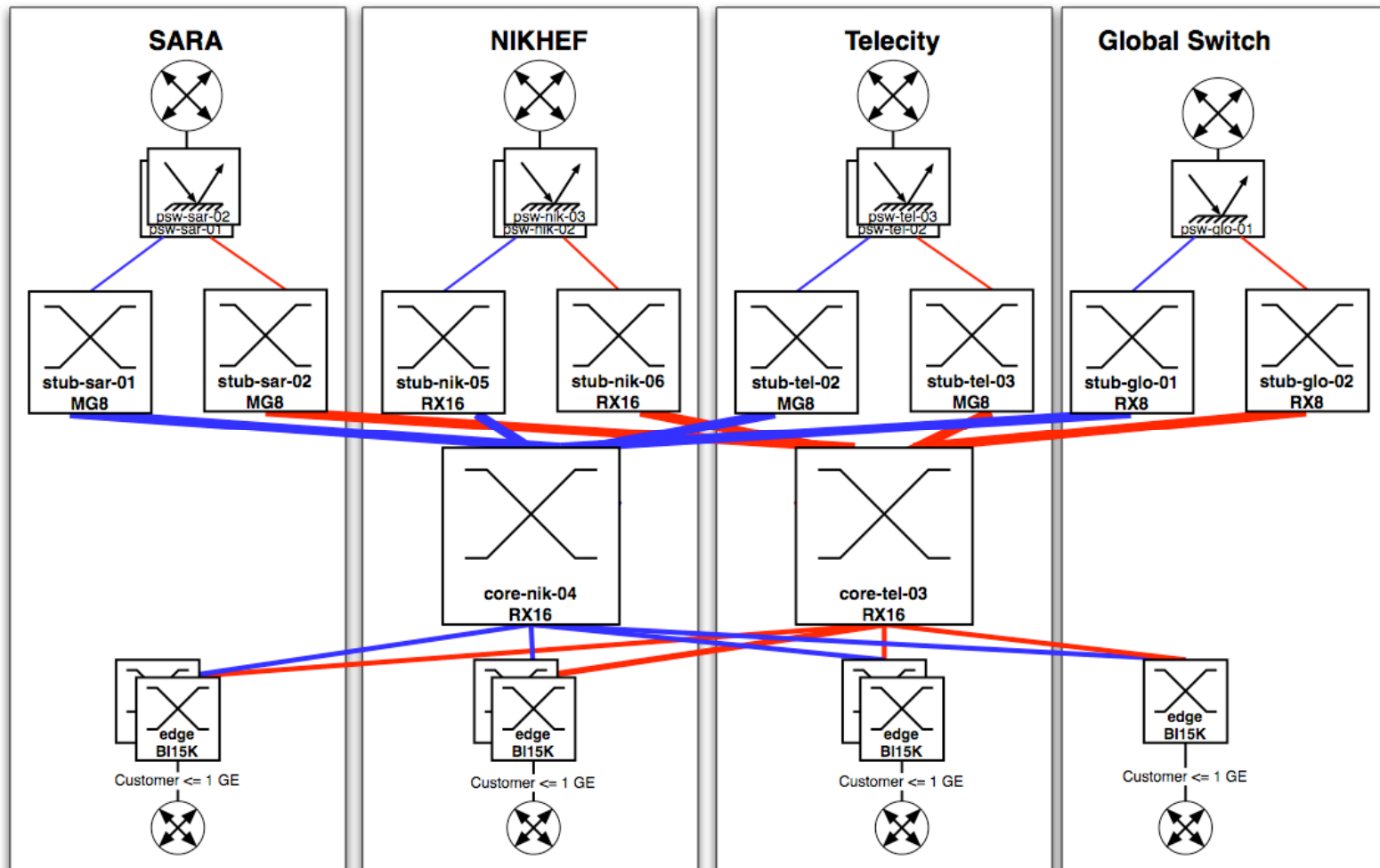
# Traffic & volume statistics

- Public peering traffic  
Max 271 Gbps  
(5 minutes average)
- 'Night' traffic around  
90 Gbps
- Average volume  
exchanged is 1.75  
Petabyte a day

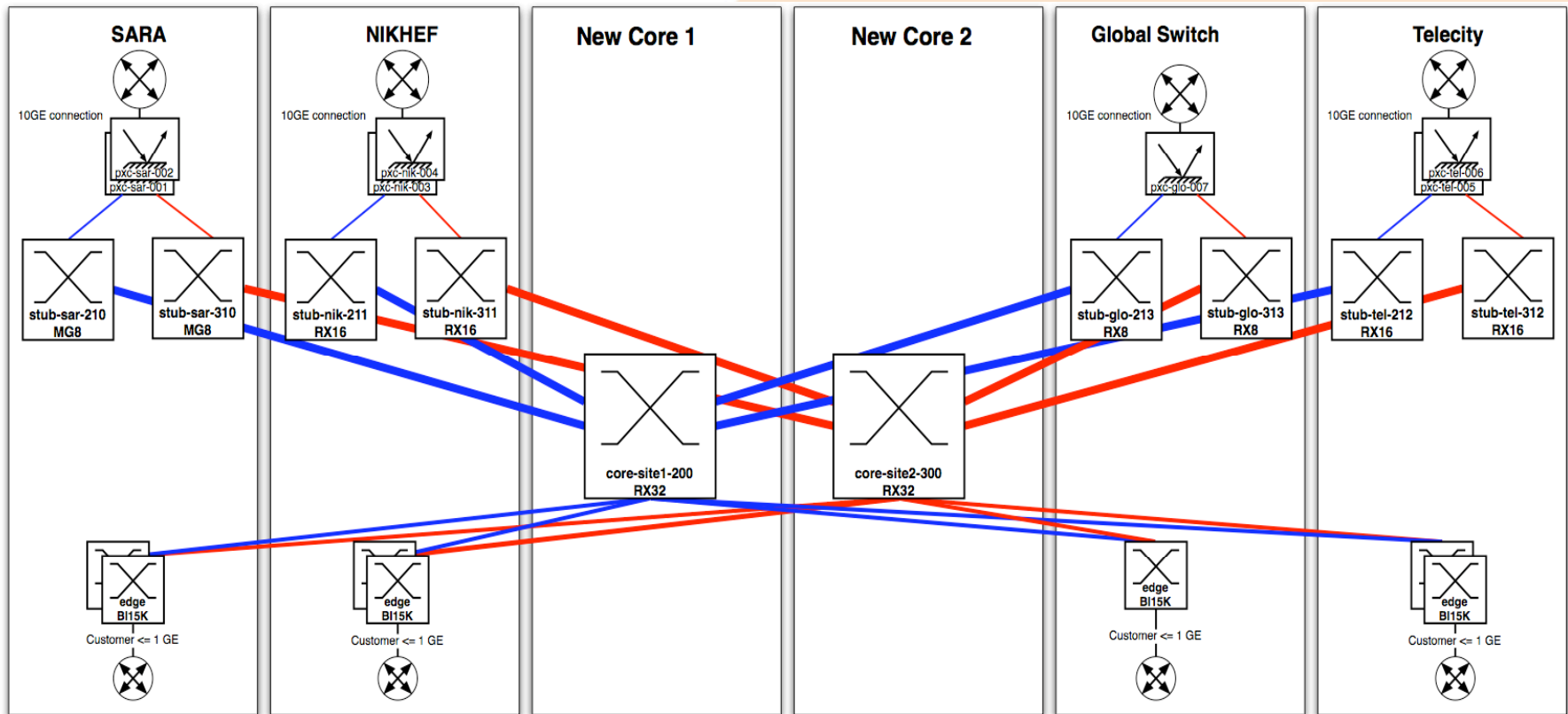


RIPE54 Tallinn, 9th May 2007

# Current topology



# Future topology



# MyAMS-IX

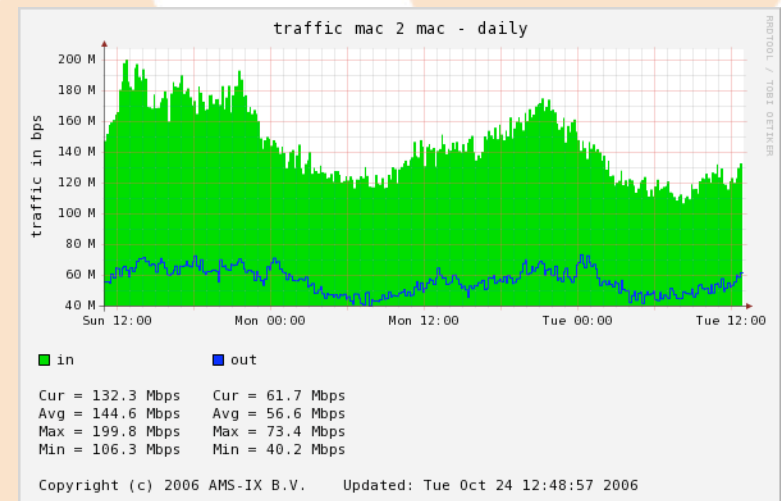
The screenshot shows the MyAMS-IX web interface. At the top, there is a navigation bar with links for Home, Dashboard, News, My Account, Stats & Reports, Connections, Tickets, and Document Store. Below this, the user is signed in as Cara Mascini (AMS-IX) with links for Sign out and My Account. The main content area is divided into several sections:

- What's New?**: Contains links for AMS-IX News and New members.
- My Account**: Contains links for My contact information, Manage company profile, Change password, and Sign out.
- Latest AMS-IX Tickets**: A list of tickets with their status (CLOSED or OPEN).
 

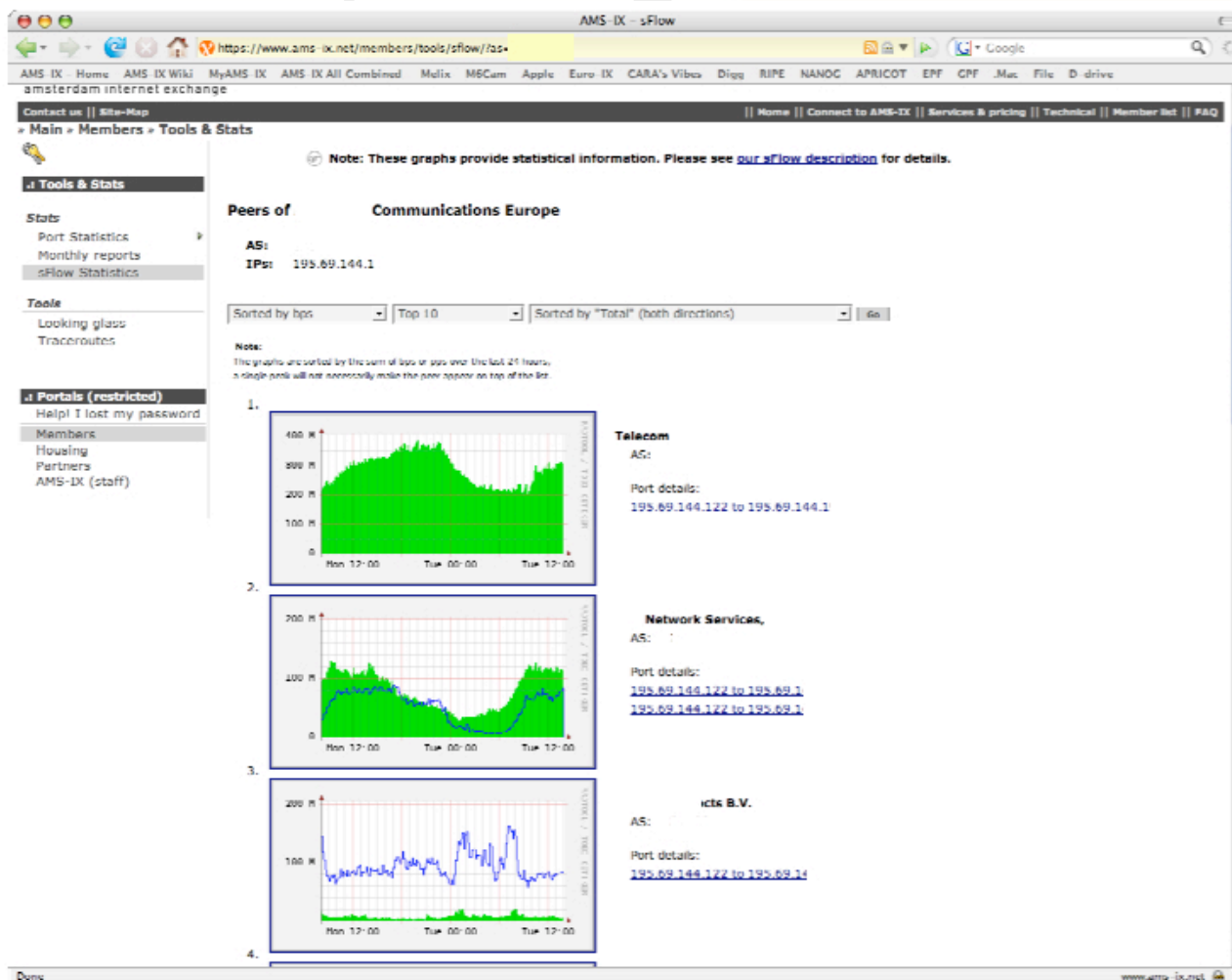
Ticket Description	Status
Software upgrade core switch	CLOSED
AMS-IX topology swap	OPEN
Software upgrade core switches	CLOSED
Crash of several modules in core switch	OPEN
Controlled VSRP failover	CLOSED
Module crash in core switch	CLOSED
- Reports & Statistics**: Contains links for My Traffic, Total traffic, Backbone load, and Monthly reports.
- Connections**: Contains a link for View Connections.
- Looking Glass**: A search interface with a Query field (set to 'bgp summary'), a Type dropdown (set to 'IPv4'), and an Address input field.
- Traffic Overview**: A series of line charts showing traffic for various connections:
  - GLOBAL SWITCH, 1 Gbps (1xMM Fibre): 1/1@edge-glo-007
  - SARA, 100 Mbps (1xUTP Copper): 15/46@edge-sar-002
  - GLOBAL SWITCH, 10 Mbps (1xUTP Copper): 15/44@edge-glo-007
  - GLOBAL SWITCH, 100 Mbps (1xUTP Copper): 15/46@edge-glo-007

# sFlow reporting

- Shows total traffic from one peer to another (even on different ports)
  - First analyze source and destination Mac
  - Map Mac addresses to IP's
  - Provide IP 2 IP graphs
  - Group per AS showing AS to AS peering



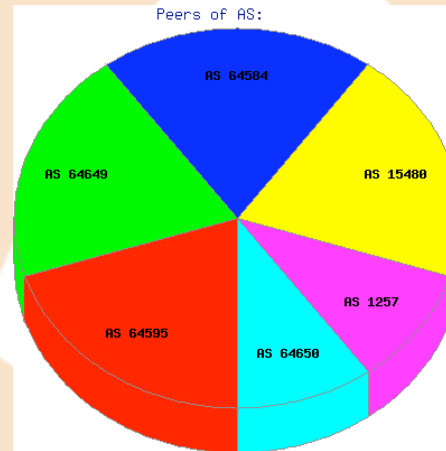
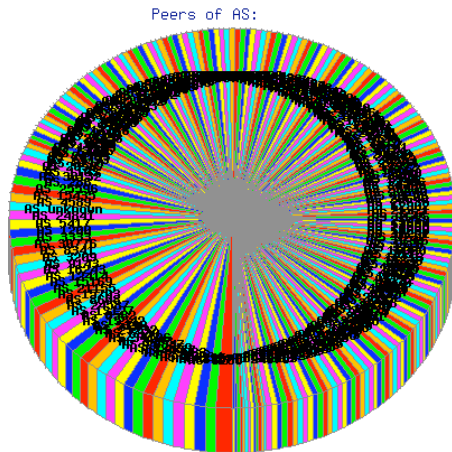
# sFlow reporting - view





# sFlow reporting - developments

- Pie charts per AS



- Counter-samples to replace MRTG
- [sFlow@ams-ix.net](mailto:sFlow@ams-ix.net) for your suggestions

# Other Developments

- Route-servers operational
  - Redundant set-up
  - 58 participants
- ENUM / VoIP / SIP
  - SIDN (.nl NIC) will be operating the public ENUM in AMS
  - Several SIP IX initiatives (Neustar, JCC/X-connect)
- Video working group
  - Choice made for a caching and redistribution model based on an open standard being developed
  - Open for who adheres to the open standard (being developed)

# Tariffs per January 1, 2007

- All prices in Euro per month per port:

FE	€ 500	(was 600, valid for all VLANS)
GE	€ 1.000	(was 1.200 until 1/7/06)
10GE	€ 2.500	(was 3.200)

- 10BaseT Ethernet ports (10 Mbps) will no longer be sold as a separate service
  - Current connections will be supported against the current conditions and price (ISP VLAN € 200 per month) for as long as required
- No one-time connection charges, variable charges, annual or membership fees, nor discounts apply

# Events rest of 2007

- **AMS-IX Meetings, Barbeque & Party**
  - 30th May GM22, TM26 and BBQ
  - 24th October Party (during RIPE Amsterdam)
  - 21st November GM23, TM27
- **European Peering Forum**
  - 28th/29th November in Barcelona
- **Available at RIPE, NANOG, APRICOT**
  - NOC also at IETF, IEEE HSSG

Questions?