UA-IX 2012 reincarnation ?

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Unique RULES

- Strong L2-L4 security
  (1 MAC per port, prefix based BGP filters,
  protected ARP, RFC-1918 traffic filtered out)
- Strict syntax compliance of all records in RIPE database (main requirement to join)
- Mandatory IPv4 and optional IPv6 peering with two Cisco ASR route-servers (RS)
- All networks of member's AS must me announced
- All networks from RS must be received
- Private peering prohibited!
- IP Transit prohibited - only local traffic exchange
- Key rule - **everything for everyone**!

Networking communism – best for growth of the Internet!

Why voting?

UA-IX is non-profit community service.
Members society open for all.

Because newcomer will got 100% of all networks immediately, holders of this networks could vote for pretender. It’s one time peering agreement with everyone.

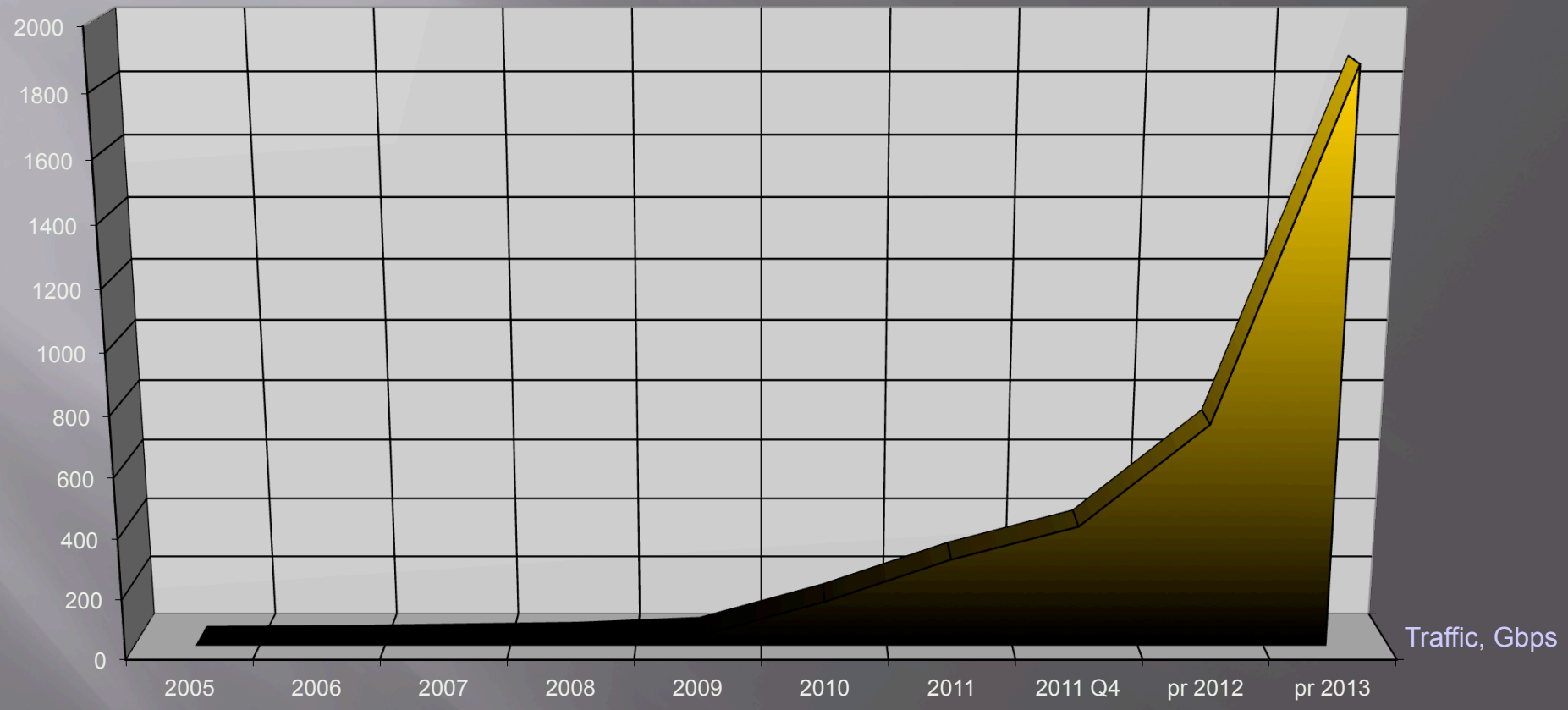
Need to get 50% positive votes to became membership. Only a few was refused. Procedure even has just been simplified.

No need to negotiate agreements with every potential peering partner every day!

DEVELOPMENT

Aggregated bandwidth grow 3 times per year

9 times per 2 years



	2005	2006	2007	2008	2009	2010	2011	2011 Q4	pr 2012	pr 2013
Traffic, Gbps	1	3	9	15	32	148	290	400	736	1868

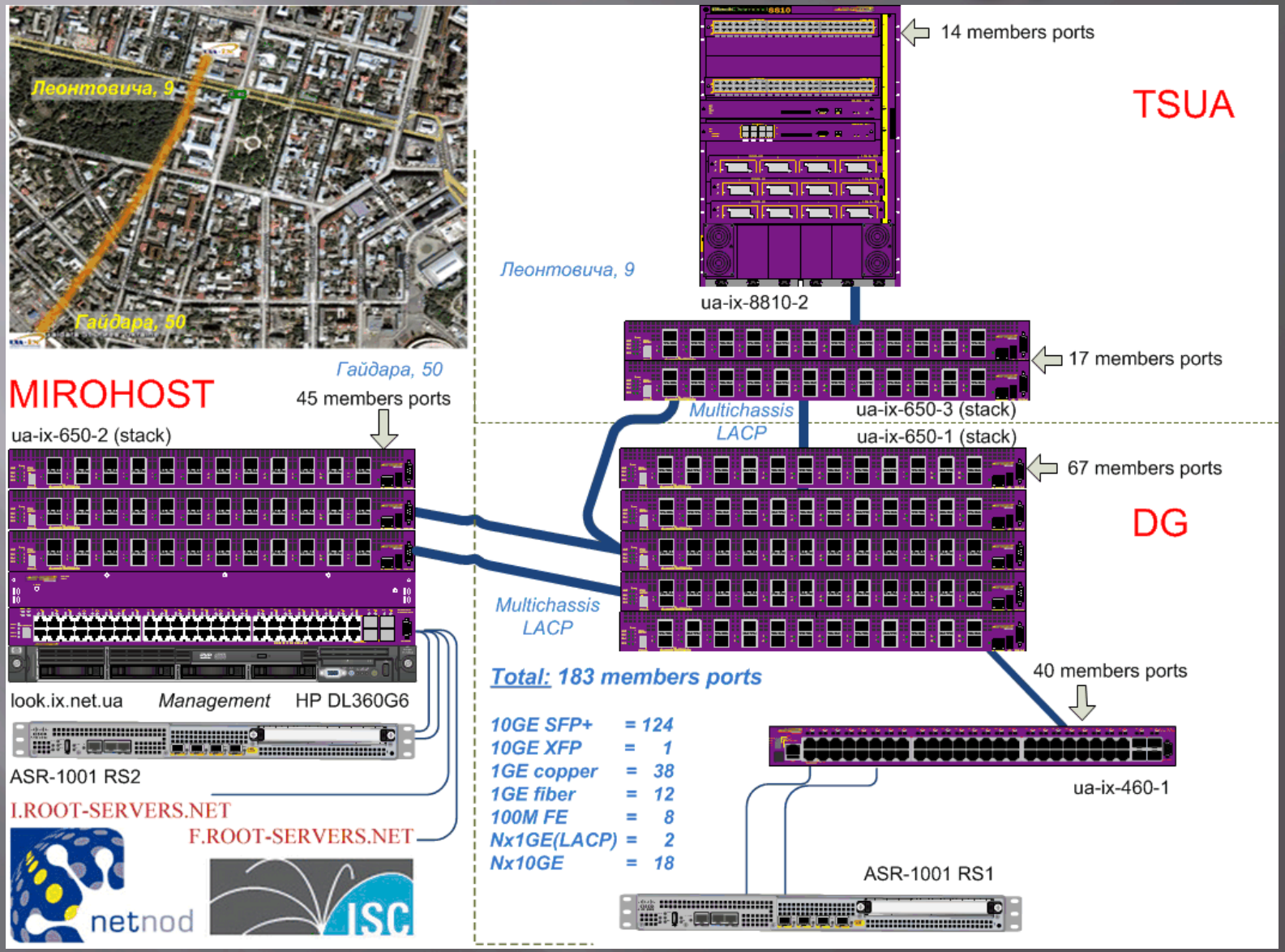
Infrastructure speed x10 should be upgraded every 2.5 years

UA-IX 2011 achievements

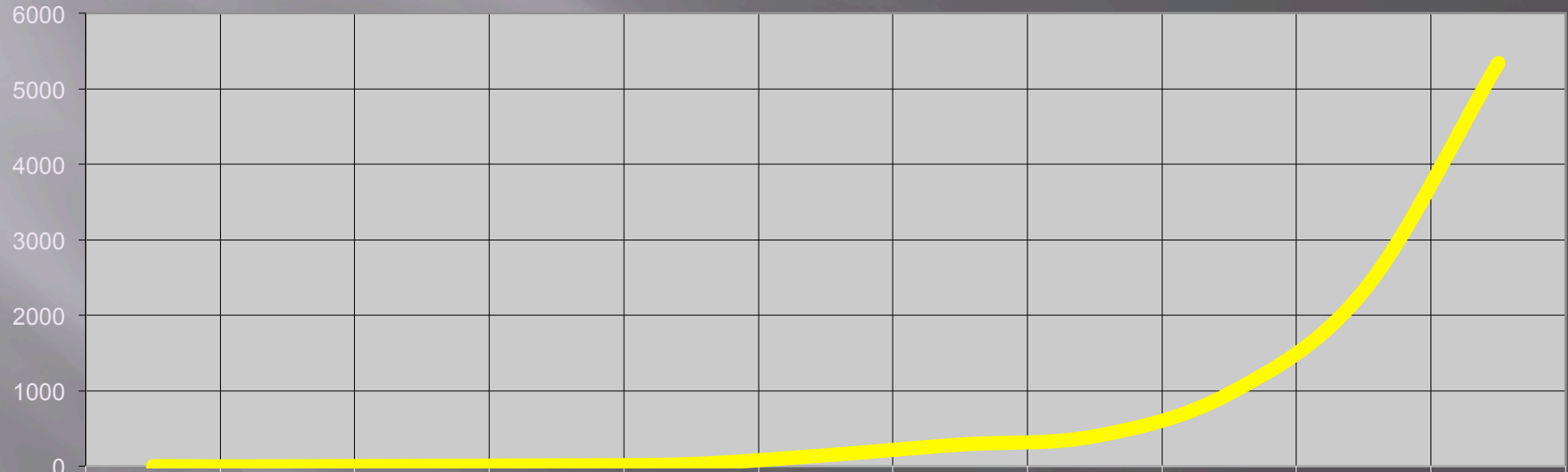
- Two root-DNS F-ROOT and I-ROOT installed
- Two Cisco ASR-1001 - our new route-servers
- IPv6 fully deployed in production
- Network availability was 99.9999%
- Current network capacity limit (400Gbps) reached

- Next generation network solution developed: 40GE high capacity switches now and distributed by TRILL network in future but stalled.

UA-IX network topology now



Future forecast ?



	2005	2006	2007	2008	2009	2010	2011	2011 Q4	pr 2012	pr 2013	pr 2014
Traffic, Gbps	1	3	9	15	32	148	290	400	965	2327	5341

Thank you!
Благодарю!