



Seven Years of Anti-Spoofing

Introduction to RIPE 66 panel on anti-spoofing

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Brief Historic Perspective



- In 2006–2008 RIPE Anti-Spoofing Task Force
 - RIPE 431, RIPE Anti-Spoofing Task Force HOW-TO
 - RIPE 432, Network Hygiene Pays Off – The Business Case for IP Source Address Verification
- In 2012–2013 fresh examples of long-term trend
 - large DDoS attacks (ab)using authoritative name server and spoofed packets

Why This Panel?

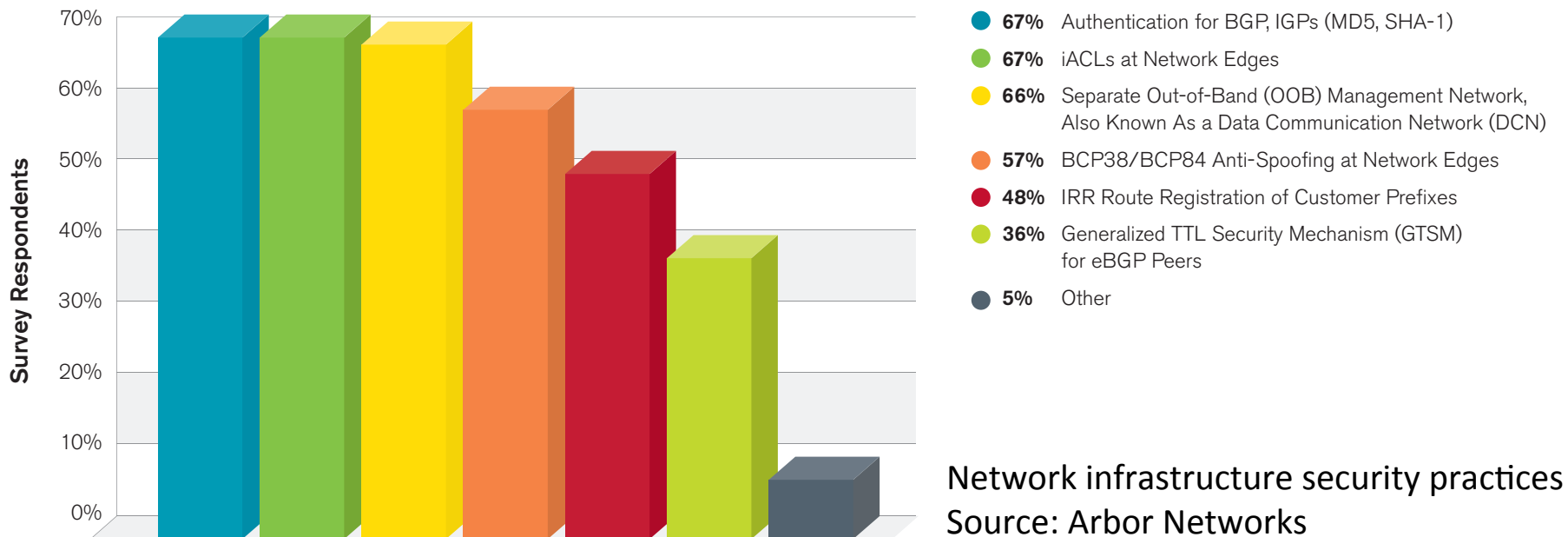
- Spoofed traffic is still a problem
 - Spamhaus attack of order 300 Gb/s
- Has the landscape changed?
 - attack vectors in 2006 and in 2013
 - severity
 - availability of solution
- What concrete actions we—as individual networks and as the community—can undertake?



DDoS Statistic

■ Arbor Networks Worldwide Infrastructure Security Report

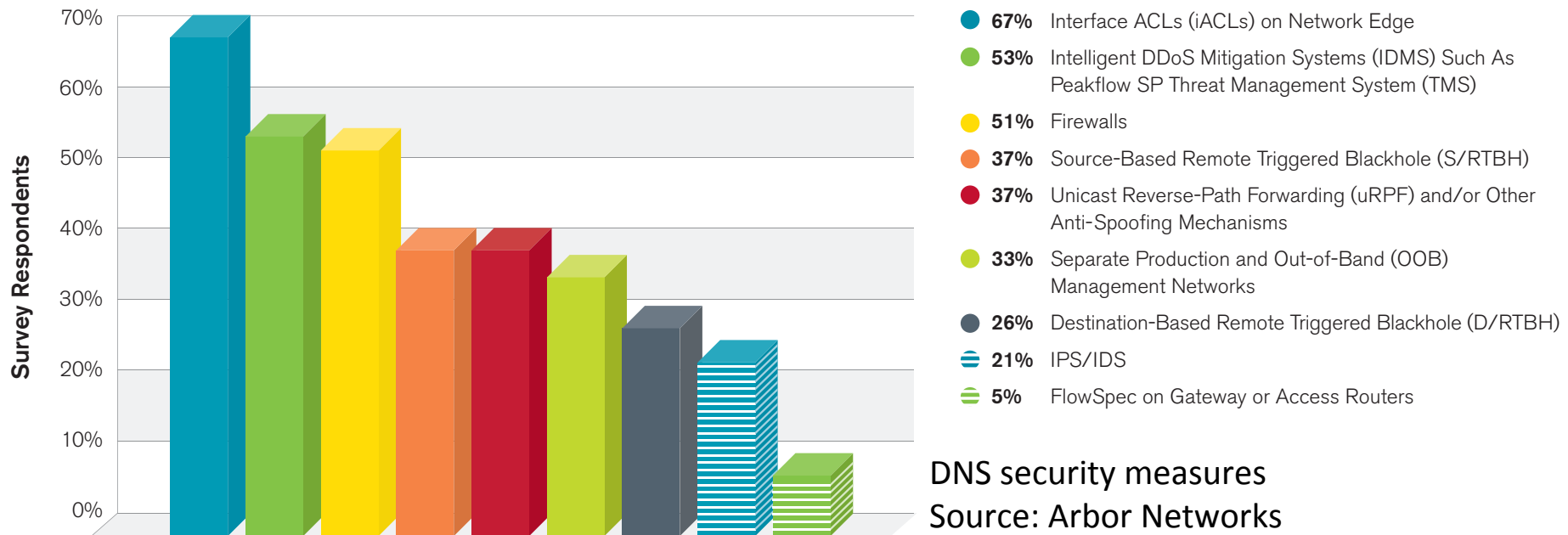
■ DDoS mentioned on 61 of 96 pages



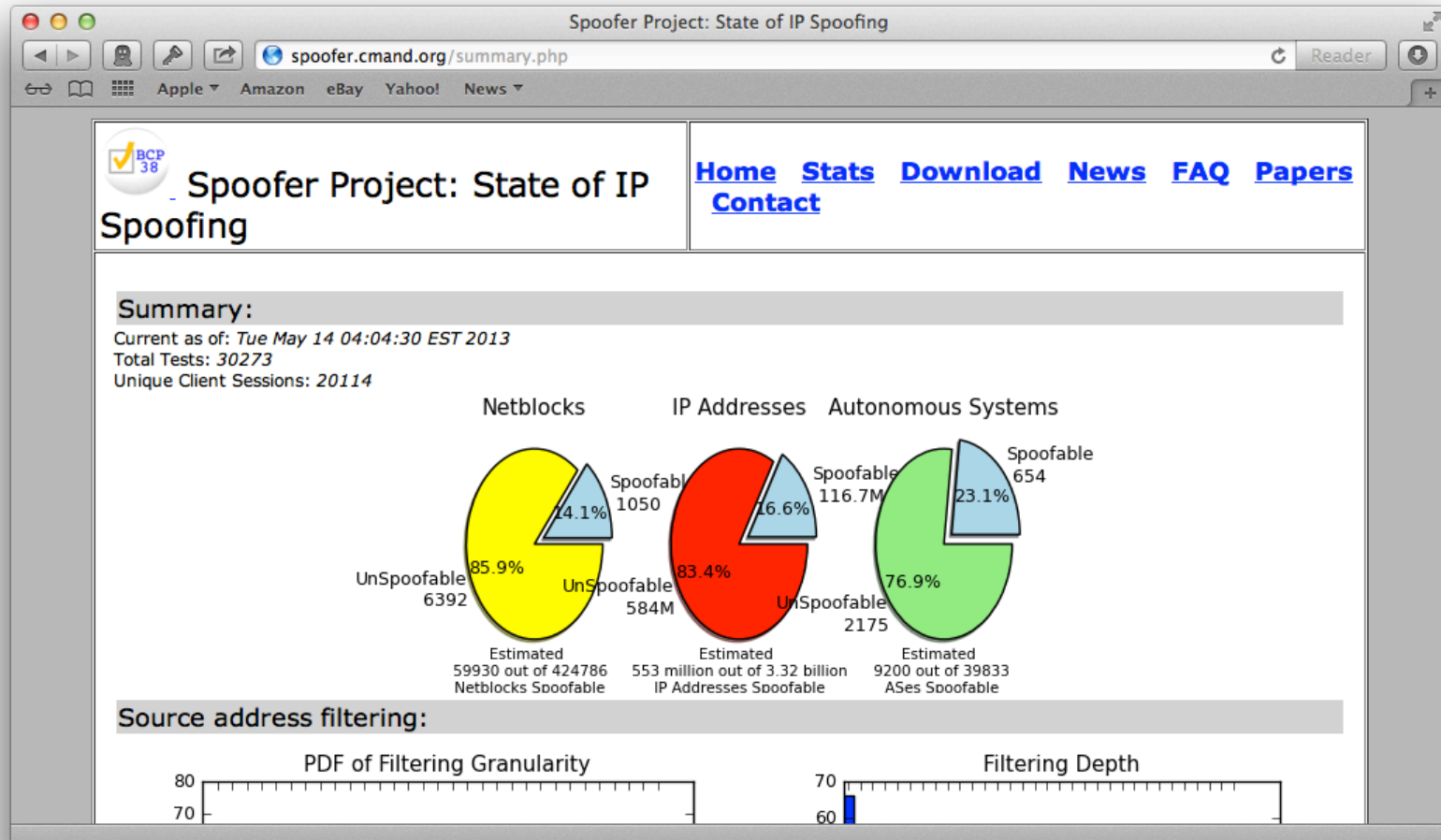
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Spoof Project

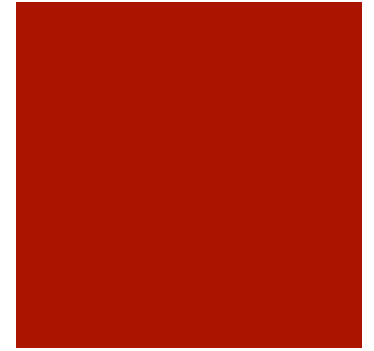


Panellists

- Merike Kaeo (IID)
- David Freedman (Claranet)
- Eric Osterweil (Verisign)
- Hessel Schut (NL High Tech Crime Unit)
- Marek Moskal (Cisco)
- Nick Hilliard (INEX)



Key Message of Co-chair RIPE Anti-Spoofing Task Force



- Daniel Karrenberg
 - Let's not be naive and not just repeat the earlier effort that was not all that successful. It is important to convince operators, especially eyeball networks, that it is in their business interest to address this problem before someone addresses it by regulation.