MANRS BCOP Update

Andrei Robachevsky

robachevsky@isoc.org

Will van Gulik

will@ip-max.net

MANRS – Short Recap

- Mutually Agreed Norms for Routing Security
  - Let's make the Internet a better place by doing simple actions.
  - Good MANRS: Filtering, Anti-spoofing, Coordination and support for Global validation
- http://www.manrs.org/

MANRS BCOP – Why?

- Ease deployment of measures required by MANRS

- Help checking if the network setup is compliant with MANRS

MANRS BCOP – What's new ?

- Document is alive

- Topic covered :
  - Preventing propagation of incorrect routing information
  - Using RPKI
  - Preventing traffic with spoofed source IP addresses
  - Facilitating global operational communication
  - Facilitating validation of routing information

MANRS BCOP – Sample topology
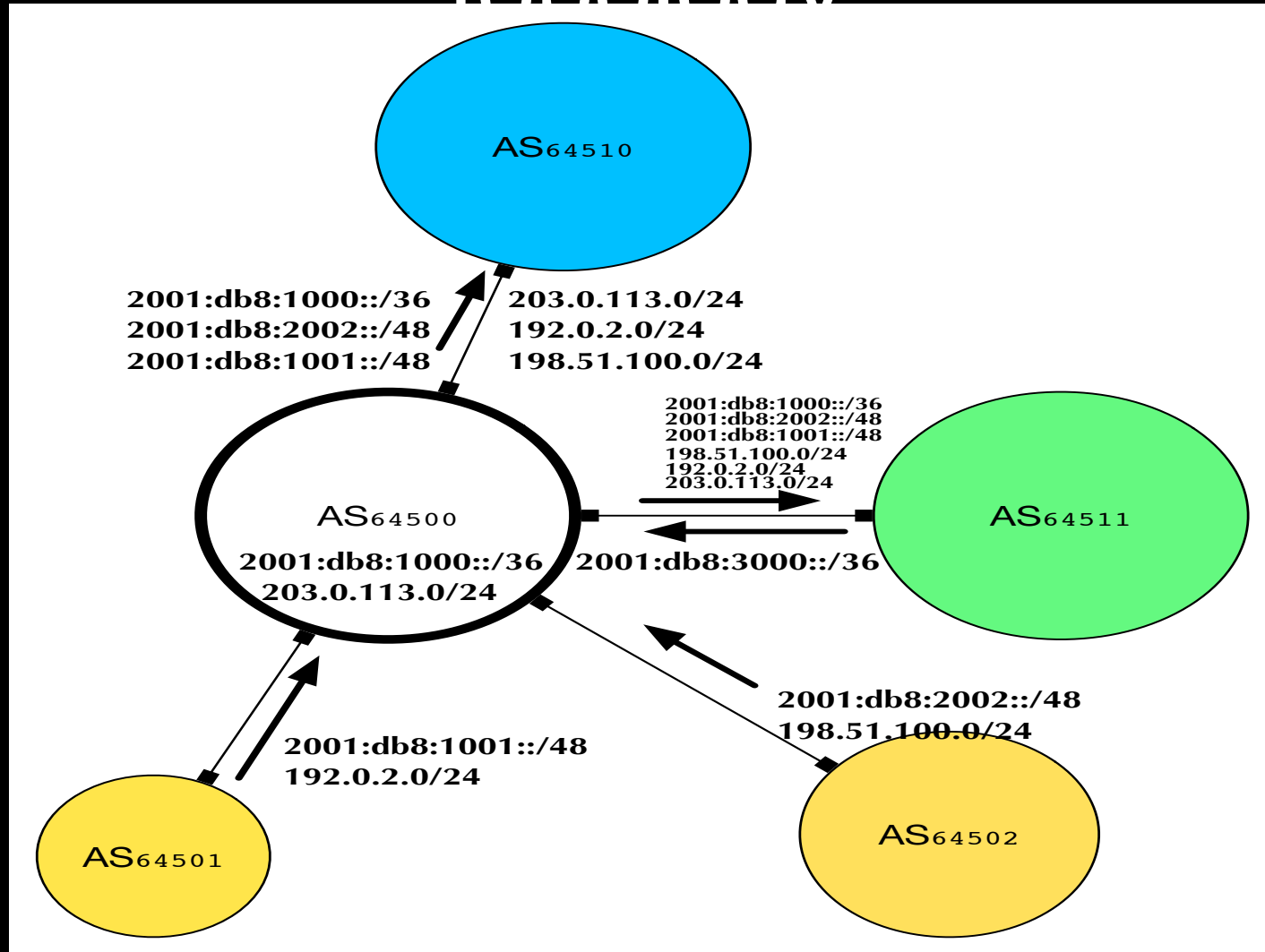
MANRS BCOP – Challenges

- Security is hard
  - Basic practices != single config line
  - Not even cut&paste instructions in many cases
- Data Infrastructure and automation
  - Organizing and keeping data up-to-date
  - Data -> configuration
- Requires clue and some heavy lifting

MANRS BCOP – Now what ?

- We need you !
- Document draft is currently out :
  - https://goo.gl/KcUOEw
  - We invited RIPE and NANOG BCOP communities to review and provide feedback
- Please let us know what is missing and help improving the document

MANRS BCOP

- Big thanks to :
  - David Freedman
  - Brian Foust
  - Barry Greene
  - Ben Maddison
  - Andrei Robachevsky
  - Job Snijders
  - Will van Gulik
  - Jakob Heitz
  - Aris Lambrianidis
- Questions ?