Best Current Operational Practices (BCOP) – updates and results from around the world

Deploy360 – Internet Society

A BCOP Repositories – SOLUTION IDEA

We believe a neutral and regionally organized repositories of documents that describes best current operational practices could help:

- speed up deployment of IPv6 and DNSSEC

- make the routing infrastructure more resilient

- simplify network deployments for less traveled operators

These documents should be written by experienced operators and be globally accessible to everyone in an open and neutral location without fees

We are committed to assisting in the creation and promotion of this repositories.

BCOP work and feedback from around the planet

- NANOG57 – Orlando

- PLNOG10 – Warszaw

- World IPv6 Congress – Paris

- North American IPv6 Summit – Denver

- LACNOG – Medellin

- RIPE Regional SEE2 meeting – Skopje

- CARIBNOG5 - Barbados

- RIPE66 – Dublin

- ENOG – St. Petersburg

- AfNOG/NIC – Lusaka

- UKnof – London

- MENOG – Kuwait

- PLNOG11 – Krakow

- RIPE67 – Athens (here I am)

- LACNOG – Curacao (still to go)

- AfriNOG - Côte D'Ivoire (still to go)

BCOP Repositories – already started?

Some years ago, the NANOG community started an IPBCOP effort (Aaron Hughes, Chris Grundemann, and others)

That effort has now becaome a regional BCOP track/WG at NANOG

They asked us to help with starting and promoting a global BCOP repository

BCOP Repositories – already started?

Enormous feedback from RIPE community in Dublin made us change the proposal and turn it upside-down:
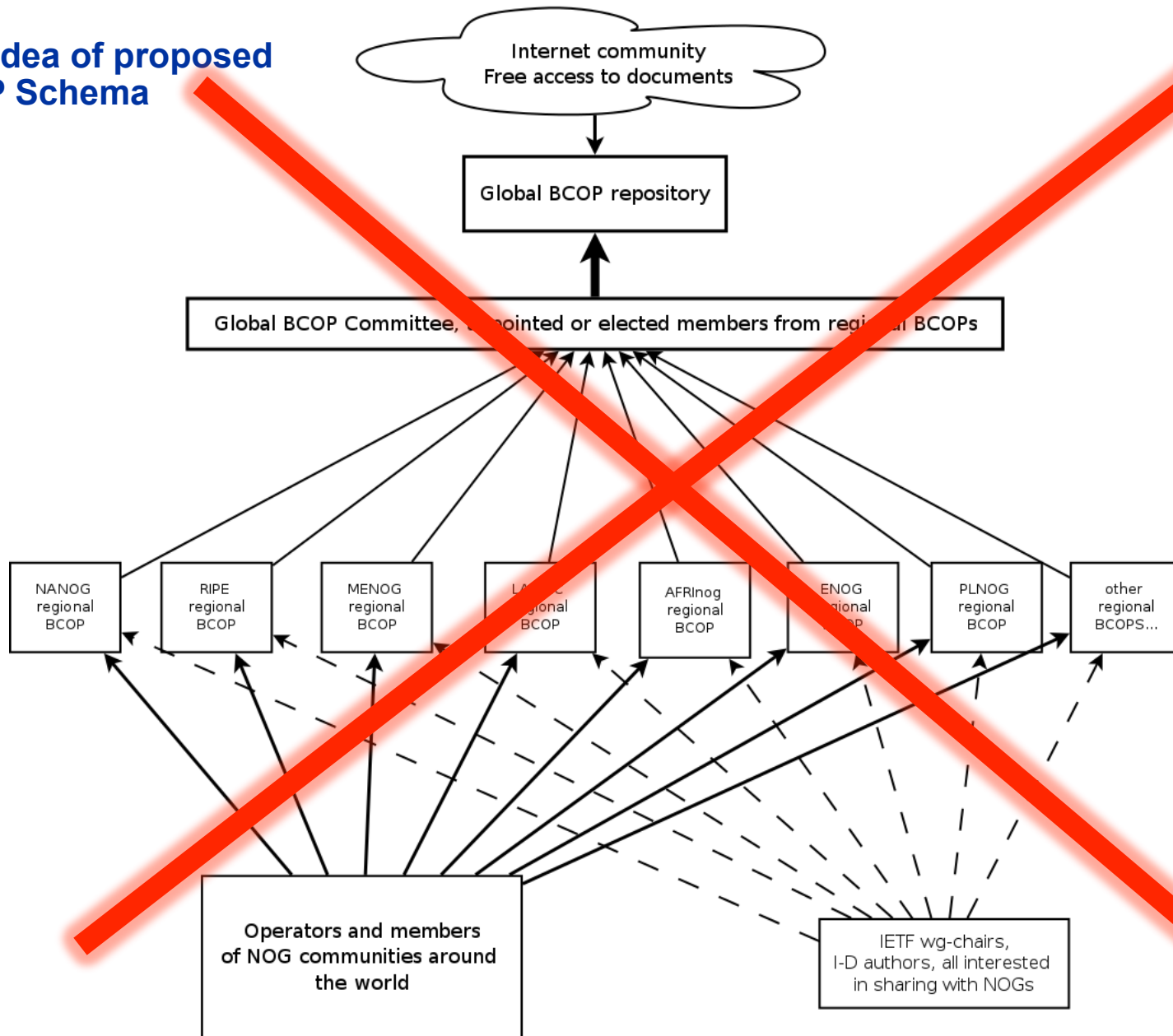
- No more top-down rigid structure

- Not top-heavy anymore

- Directing our efforts and resources in helping the operators' communities around the world start the work, and identifying the topics and individuals in those communities that would lead the regional initiatives
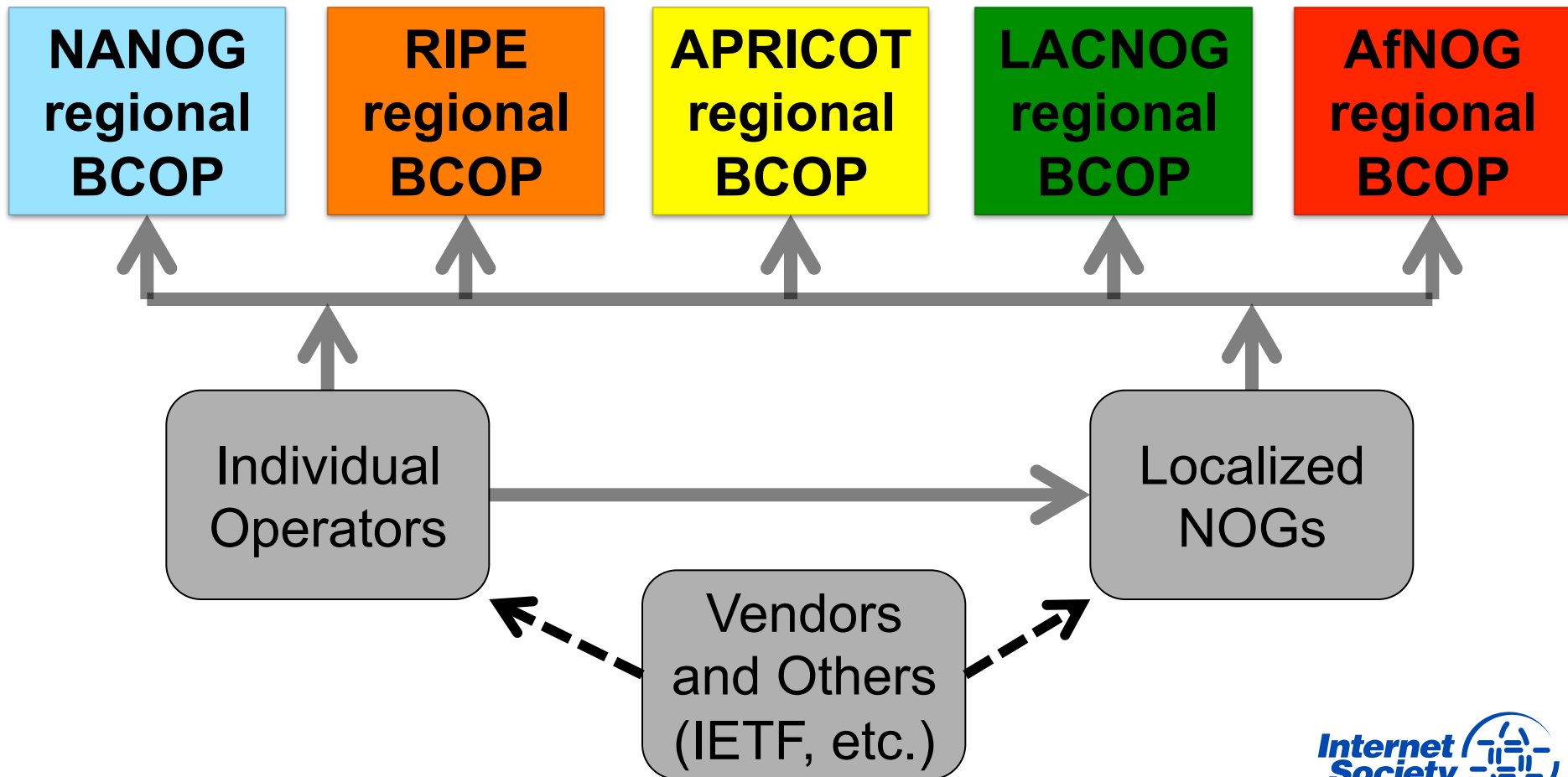
BCOP Repositories – already started?

Enormous feedback from RIPE community in Dublin made us change the proposal and turn it upside-down:

- Let's start the work regionally, produce something useful, and publish it.

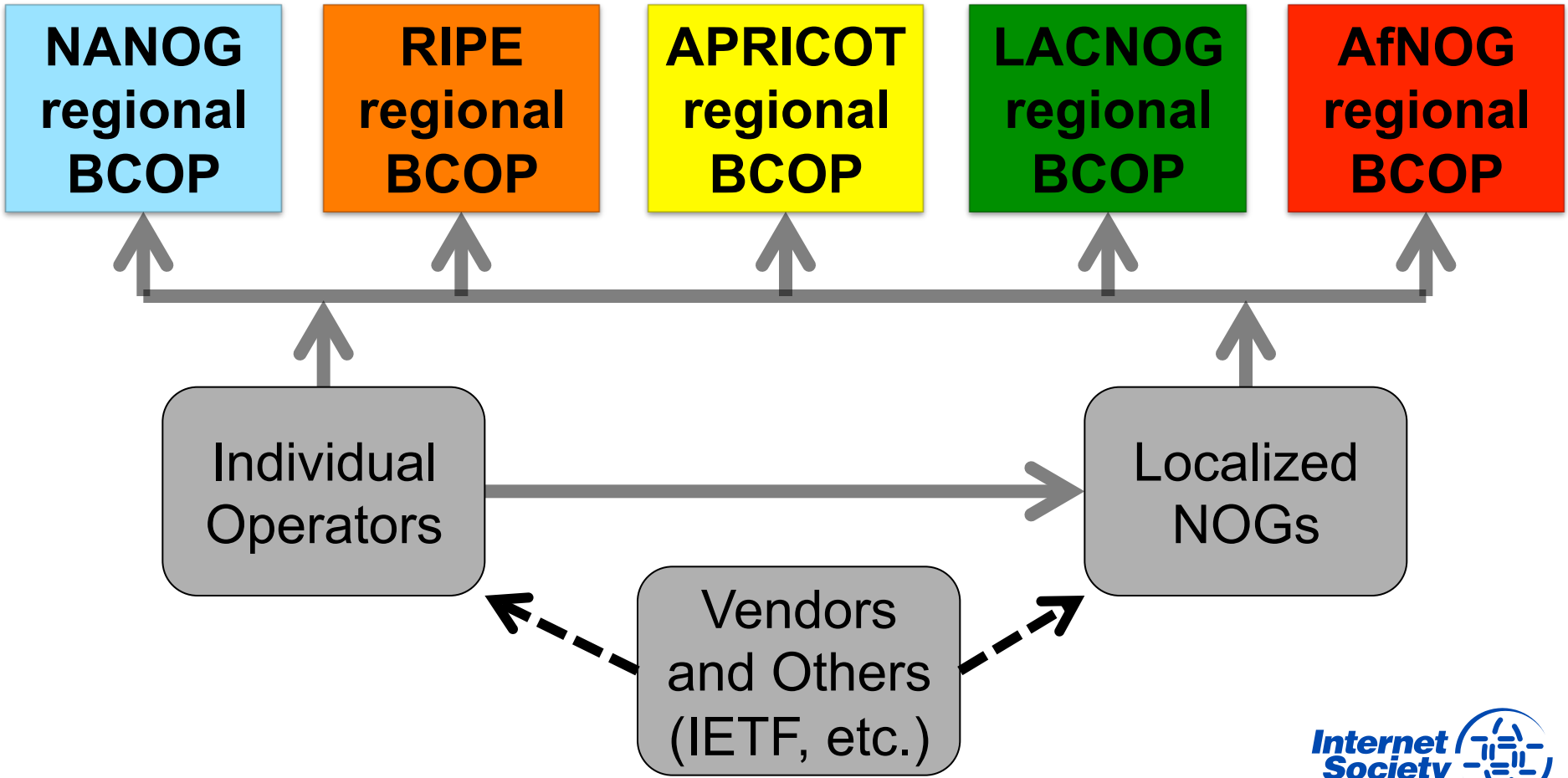- Coordination and a global repository might naturally emerge out of a real need.

First idea of proposed BCOP Schema

Websites

BCOP topics:

http://www.internetsociety.org/deploy360/about/bcop/topics/

What's going on around the world:

http://www.internetsociety.org/deploy360/about/bcop/

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Some of the identified topics (mainly from NANOG and RIPE region so far)

- Inhibiting Address Spoofing

- BGP Policies

- Peering Policies

- DNS Policies

- Email Policies

- ICMP Filtering

- Pingable attribute in whois

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Some of the identified topics
(mainly from NANOG and RIPE region so far)

- How to test your network performance

- How to check your visibility from global Internet

- Ethernet OAM

- De-Aggregation: strict filtering /48s out of /32

- How are operators using IRR?

- IPv6 enterprise network renumbering scenarios, considerations, and methods

- … (we need more suggestions)

Removing one of the next IPv6 speedbumps

- One of the first speedbumps was addressed by RIPE-554

- Next speedbump is lack of IPv6 knowledge at ISP helpdesks

- We started a document "Generic IPv6 troubleshooting and procedures for helpdesks around the world…"

- This could be a first cross-regions cooperation effort as every region is probably a bit different.

Removing one of the next IPv6 speedbumps

Title: *"Generic IPv6 troubleshooting procedures for helpdesks around the world"*

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This document is intended to provide a starting point for technical support staff at ISPs or enterprise IT helpdesks in supporting IPv6. Problems with IPv6 are very rare, but fear of the unknown has prevented or delayed many organizations from rolling out IPv6 to their users, when all technical problems have been solved. While this document cannot encompass all possible problems, it should provide a solid first step for front-line support personnel.

BCOP activity around the world:

- Africa region: we identified the "engine" of the effort, mr. Douglas Onyango and we are starting the initiative

- Latin America: starting a BCOP at Curacao meeting

- North America: NANOG BCOP

- Europe: RIPE BCOP

- Middle East: Presented at MENOG in Kuwait

- Asia: Seed planted at APNIC meeting

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