

Best current operational practices (BCOP)

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Agenda

- BCOP History
- BCOP Solution
- Current BCOPs
- Documents Under Development
- BCOP Administration Updates

Why BCOP?

- Where does an operator find information on operational practices?
 - Operator forums / presentations
 - #ix
 - Books / Wiki
 - Search Engines
 - Vendors
 - Etc.
- Why is this a problem?
 - Outdated, inaccurate, archived, vetted
- What do you give others when they ask you for advice on a current operational practice?

Why BCOP cont...

- Operators often implement solutions and don't document lessons learned in a common location.
- Tutorials are given repeatedly (with updates occasionally)
- Continued education throughout the operational community is essential to better the Global Internet.

BCOP Solution

- Open, Transparent, Bottom-up, and Community led
 - Community driven, community written, community vetted Best Current Operational Practices from an open forum, list, and publicly searchable site.
 - Community written and approved Development Process for BCOPs
 - Everyone is welcome to participate
- 80/20 model

What is available today?

- Development Process
- Template
- IPv6 Subnetting
- Public Peering Exchange
- BCOP Wiki – <http://bcop.nanog.org/>
- BCOP Mailing list - <http://mailman.nanog.org/mailman/listinfo/bcop>

Documents under development

- IPv6 Peering and Transit Guidelines
- Security standards
- IPv6 Security Myths
- Public Peering Exchange (Update)
 - Route server changes
 - IXP prefix filtering from your IGP
- Deploying IPv6 in a Content Network
- Extension Headers (idea presented at NANOG58)
- Filtering – References to IETF BCP38/BCP84
- Preventing amplification attacks
- Routing announcements to downstream customers standards (list discussion, not sure if there is an author for the draft) (anyone?)

BCOP Administration

- Board approval of new NANOG Ad Hoc Committee for BCOP
 - Chris Grundemann agreed to be the initial Chair
- Board approval of BCOP Project Manager position

Project Manager

- NANOG Board has approved the hire of a BCOP project manager
- Project Manager Activities
 - Coordinate BCOP project needs under direction of ED
 - Communicate IT needs to NANOG Staff
 - Work with authors and track document creation progress

BCOP Committee

- NANOG Board has approved the creation of an ad hoc committee for BCOP
- Call for volunteers
 - Announcement sent on NANOG and BCOP lists on 31 January, 2014
 - We will evaluate slate of volunteers and form the new committee
- BCOP committee roles
 - Roles to ensure continuing operation of BCOP have been identified
 - These roles will be filled by mix of volunteer committee members and staff

Global BCOP Activities

- Active BCOP efforts underway in the following regions
 - NANOG
 - RIPE
 - LACNOG
 - AfNOG
- BCOP efforts are developing
 - JPNOG
 - NZNOG
 - More!
- There may be a need in near future for global coordination between regional efforts

Participate

- Suggest a topic which could use a BCOP
- Volunteer to write a document
- Join the discussion
 - <http://bcop.nanog.org/>

Thank you