

Deploy360

Consolidating Best Current Operational Practice Efforts

Oct 19 2012 Ljubljana, Slovenia

Aaron Hughes, President & CTO 6connect

aaron@6connect.com

What's a BCOP?

- Best Current Operational Practice
- A current document describing how to best achieve an operational practice vetted by subject matter experts and periodically reviewed by community & SMEs for updates.

What's the problem?

- Tons of conferences and sources of data
 - RIR meetings (Afrinic, APNIC, ARIN, LACNIC, RIPE)
 - Operator meetings (NANOG, RIPE, MENOG, ENOG, SANOG, CaribNOG, AUSNOG, PacNOG, JANOG, UKNOF)
 - Blogs, Personal sites, word of mouth
- Areas of demarcation
 - RIRs do not want to impact operations (generally)
 - Operator forums cater to regular attendees (not newcomers)
- Data is potentially stale
 - As soon as it's written, it's stale / not kept current
 - Presentations are all over the place and hard to search
 - PPTs often missing supporting text
 - Presentations are not vetted / validated / are opinions
- IETF has a BCP process limited scope and too slow for ops

Problem cont.

- Several regional individuals / projects duplicating efforts
- Availability of resources pushing for solution
- Really needs an Executive Director to lead it
- No funds
- Distributed demand for solution
- SMEs need to be driven to write

Solution

- Effort consolidation
- Generic BCOP Development Process (Globally)
- Open / Transparent / Bottoms Up ORG
- Searchable Repository
- Regional meetings feed into the same BCOP-PD and repository (BoFs / Tracks)

Long Term Result

- Things get better...
 - Operational Practices get better
 - Less first time errors
 - Use of real world information not text book
 - Examples: Filters, subnetting, security, interface standards, peering exchanges, IRR data, anti-spoof

What's happening today

- BCOP-PD DRAFT exists
 - *This document/draft has been modeled after previously authored policy development efforts such as ARIN's PDP (<https://www.arin.net/policy/pdp.html>) & IETF's RFC 2026 sec 1.2 (<http://www.ietf.org/about/standards-process.html>) & Wikipedia itself.*
- Documents have been written and run through BCOP-PD
- Community is reading them and find them useful!
- BCOP tracks at NANOGs
- RIPE Working Groups

Documents written to date

- BCOP Development Process
- IPv6 Subnetting
- Public Peering Exchange Interface Standards
- IPv6 Peering and Transit
- IPv6 Peering

Next Steps

- Handoff to ISOC – Deploy360 program
- Identify Stakeholders
- Promote attendance and participation in regional meetings
- Grow document base
- Use the process to refine the BCOP-PD as needed
- Move mailing list
- Present completed BCOPs at operator forums for promotion

Questions?

- A Special Thanks to Lee Howard, Jason Schiller, Igor Gashinsky, Chris Grundemann, Pete Sclafani, Richard Jimmerson, Dan York, and Richard Donaldson for helping to kick this off
- Aaron Hughes, President & CTO 6connect
 - aaron@6connect.com
- BCOP info:
 - <http://ipbcop.org/>