A BCOP document: Implementing MANRS

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HAVE YOU HEARD OF MANRS?
Mutually Agreed Norms for Routing Security (MANRS)

• MANRS builds a visible community of security-minded operators
  – Promotes culture of collaborative responsibility

• Defines four concrete actions that network operators should implement
  – Technology-neutral baseline for global adoption
Good MANRS

2. Anti-spoofing – Prevent traffic with spoofed source IP addresses.
3. Coordination – Facilitate global operational communication and coordination between network operators.
WHAT IS THE PROBLEM?
Description is succinct

• Lack of implementation guidance
  – Surprise: Still a high threshold for the implementation

• Precise requirements are sometimes not clear
  – Leading to potential non-compliance with the norms
MANRS BCOP?
The Simplest Case
Answers how to

• Ensure correctness of ISP’s own announcements and announcements from their customers to adjacent networks with prefix and AS-path granularity
• Enable source address validation for at least single-homed stub customer networks, ISP’s own end-users and infrastructure.
• Maintain globally accessible up-to-date contact information
• Publicly document routing policy, ASNs and prefixes that are intended to be advertised to external parties.
Promote good practices in the spirit of MANRS

• Already sent to this TF and NANOG BCOP
• Form a more compact group of volunteers?
DOES THIS SOUND LIKE SOMETHING YOU CAN CONTRIBUTE TO?

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