

ROUTING SECURITY AND REGULATORY INTEREST

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2014: MANRS

- Mutually Agreed Norms for Routing Security
- Launched a decade ago, to stimulate the collective action and build a new norm for routing operations
- Two foundational pillars:
 - An undisputed minimum security baseline– the norm; defined through the **MANRS Actions**
 - Demonstrated commitment by the participants; measured and published by the **MANRS Observatory**

www



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2024: US GOVERNMENT, INTERESTED IN ROUTING SECURITY

- The **US Office of the National Cybersecurity Director (ONCD)** has published a [roadmap for routing security](#):
 - Urges increased action
 - Enumerates best practices
 - Recommends actions
- The **US Department of Commerce** has cleared roadblocks to USG networks implementing routing security actions [WWW](#)
- The **US Federal Communications Commission (FCC)** is exploring possible rules to foster adoption of routing security measures among US-based networks [WWW](#)

THE US FCC NPRM

- The **nine largest US ISPs** would submit an initial **BGP Plan** and update annually:
- Reporting **ROA coverage** of prefixes originated under the ISP's control as well as deployment of origin validation
- Once 90% coverage is achieved, reporting ROA coverage is optional
- More detail in Nimrod Levy's presentation at NANOG 91



CONCERNS WITHIN THE UNITED STATES

- Reporting doesn't seem like a big lift, but it indicates where US FCC attention is:
- Is it reasonable to expect further rules, if the reporting trends don't align with FCC expectations?
- Some are concerned that this rule-making process might put a chill on adoption:
 - Awaiting actual rule making
 - Waiting for the shoe to drop
- **GCA and the Internet Society** provided some input



(OUR) GLOBAL CONCERNS

- The US government is hardly alone in its concerns about routing security and desire to take action within its jurisdiction
- We remain concerned that any of these efforts:
 - **Might codify requirements that are going to change**
 - *There is no silver bullet and security is a process. Technologies and requirements change more quickly than regulations.*
 - **Might not well align with best practices and community efforts (like MANRS)**
 - *Instead of reinforcing these long-term industry efforts.*
 - **Might get ahead of industry's legitimate capabilities**
 - **Might see inconsistent requirements across the globe**
 - *Which would undermine routing infrastructure.*

WHAT TO DO ABOUT IT?

- Continue to **raise awareness** of the progress that has been made
- **Educate rulemakers** on the need to not get ahead of industry capabilities
- Promote **industry-driven efforts** based on best practices and norms



A wide-angle photograph of the London skyline, featuring prominent skyscrapers like the Gherkin and the Walkie-Talkie. The image is dimmed, and the text 'ANY QUESTIONS?' is overlaid in a bright red, sans-serif font in the center. In the foreground, a river with a 'citycruises' boat is visible.

ANY QUESTIONS?

THANK YOU!

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