

## Week 7 Readings

BGP security is an ongoing problem. The U.S. Federal Communications Commission (FCC) launched a Notice of Inquiry (NOI) to ascertain whether there was a role for government intervention to improve routing security.

Original FCC NOI: In the Matter of Secure Internet Routing PS Docket No. 22-90 NOTICE OF INQUIRY BGP NOI 28 Feb 2022: <https://www.fcc.gov/ecfs/document/1022806680214/1>

1-2 responses each from various stakeholders:

1. **[Router vendor] Juniper:** <https://www.fcc.gov/ecfs/document/1040158634495/1>
2. [U.S. RIR] ARIN <https://www.fcc.gov/ecfs/document/1040889310597/1>
3. [MANRS org] Internet Society's: <https://www.fcc.gov/ecfs/document/104111747619473/1>
4. [CDN] Cloudflare: <https://www.fcc.gov/ecfs/document/10412234101460/1>
5. [R&E network] Internet2: <https://www.fcc.gov/ecfs/document/10413690321617/1>
6. **[Academic] Clark, Claffy, Testart:**  
<https://www.fcc.gov/ecfs/document/1041298777618/1>
7. [U.S. RIR] ARIN *reply*: May <https://www.fcc.gov/ecfs/document/10510016967964/1>
8. [U.S. government agencies] present conflicting perspectives:  
U.S. DoD and DOJ: <https://www.fcc.gov/ecfs/document/1091496862125/1>  
U.S. NTIA: <https://www.fcc.gov/ecfs/document/1051046709420/1>
9. U.S. DHS (CISA): <https://www.fcc.gov/ecfs/document/10707962804139/2>
10. **[Academic]: Clark/kc (#2):** <https://www.fcc.gov/ecfs/document/1012497974837/1>
11. [Transit ISPs (AT&T,Vz,Lumen): <https://www.fcc.gov/ecfs/document/10215731622834/1>

All responses:

[https://www.fcc.gov/ecfs/search/search-filings/results?q=\(proceedings.name:\(%2222-90%22\)\)](https://www.fcc.gov/ecfs/search/search-filings/results?q=(proceedings.name:(%2222-90%22)))

Answer the following questions:

1. Who are the “stakeholders” that responded to the FCC NOI? What types of organizations are there?
2. On what do stakeholders disagree? What conflicts of interest might exist between different stakeholders?
3. What questions do we need data science to answer about routing security, according to the commenters?
4. What are the limitations of current data sources in pursuing the recommended research?
5. What comments would you provide to the FCC?