



NETBEACON

Simplifying DNS Abuse Reporting

DNS Abuse Institute (DNSAI)

- Created and funded by PIR in service of their not-for-profit mission
- Abuse is complicated, global problem, requires coordination across actors
- Education, collaboration, innovation
- Identify areas of friction and complexity, and move those into the DNSAI



Community Basis for NetBeacon

- **SSR2 Recommendation 13.1** – Calls for the creation of “a central DNS abuse complaint portal that automatically directs all abuse reports to relevant parties.” NetBeacon is directly responsive to this recommendation
- **SSAC – SAC15** – Calls for the creation of a “Centralized Abuse Reporting Facilitator.” NetBeacon is directly responsive to this call
- **CCTRT – Final Report, Recommendation 20** – Focuses on improved abuse reporting. NetBeacon is consistent with this recommendation



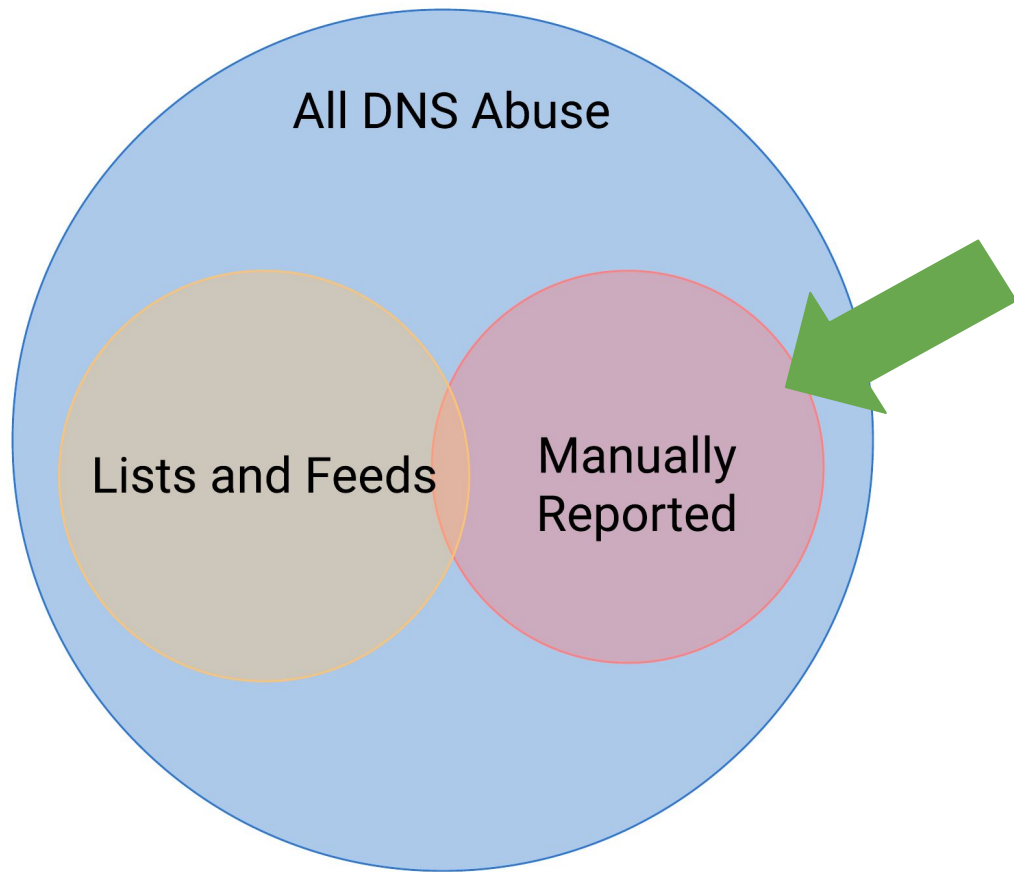
NetBeacon is designed to address two problems

- **Reporting abuse is hard:** technical knowledge, no standards for evidence, no consistent implementation
- **Reports of abuse are brutal:** Duplicative, unevidenced, not your domains/ip/infrastructure, unactionable



A **free** and easy to use site to report abuse, that improves the quality of reports, and reduces barriers to action. It is a centralized abuse reporting tool that:

- Accepts reports of phishing, malware, botnets, and spam
- Standardizes requirements and format
- Enriches reports
- Distributes automatically



Submit a New Phishing Abuse Report

For icann.org

Definitions for fields in step 3:

Company

the company or institution being targeted
by this web site

1 Date of Incident
Provide the date you visited the web site.

2 Geographic Location
Provide your location at the time of the incident.

3 Targeted Institution
Provide the company or institution being targeted by this web site.

Provide the company or institution being targeted by this web site.

Company*

CONTINUE (INCOMPLETE)

BACK

SAVE

4 Email Address
Provide the email address that sent the message directing you to this site (if an email was received).

5 Message Headers and Body
Provide the email headers and message body (if an email was received).

Other Features

- API for report submission
- API for report consumption
- Embeddable forms



What NetBeacon Isn't

- Not an abuse management tool
- Does not make determinations
- Does not permanently store reports
- Does not provide access to customer/registrar information



To Dos

- Integrate hosting, CDNs, email service providers, and ccTLDs
- Other Harms
 - Define report requirements
 - Escalation paths
- Reporter Reputation
 - Successful reports
 - Reputational flags



FAQ

- Is it easy for end users?
 - Pretty easy, but more work on UX to come
- Will you publish data?
 - Potentially, but never in a way to discourage adoption
- Closure & Notifications
 - Still up to Registrar/Registry, room for work



Why DNSAI?

- Development of requirements reveals that the necessary processes move quickly beyond ICANN's remit
- Reporting abuse effectively requires working across Registrars, Registries, ccTLDs, hosts, email providers, and content distribution networks
- Most Registrars accept reports for abuse beyond contractual requirements, bifurcating abuse reporting creates confusion
- DNSAI is well supported, agile, and a respected member of the community

Supporting the Work



Clean-DNS



ASK

- Visit netbeacon.org, create an account at app.netbeacon.org
- Email graeme@dnsabuseinstitute.org for more information
- Connections with organizations that disrupt DNS Abuse

