

ICANN and the Security & Stability of the Internet

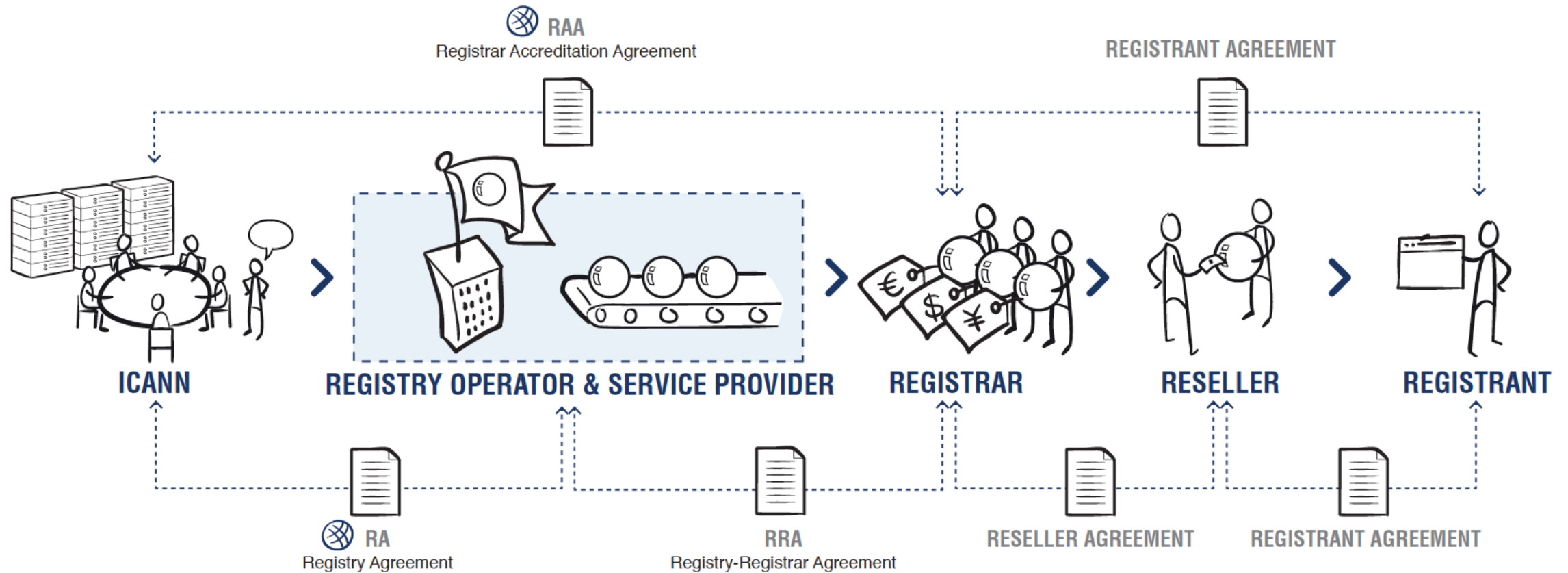
Regulatory Forum 2025 – Ulaanbaatar, Mongolia.

25 September 2025

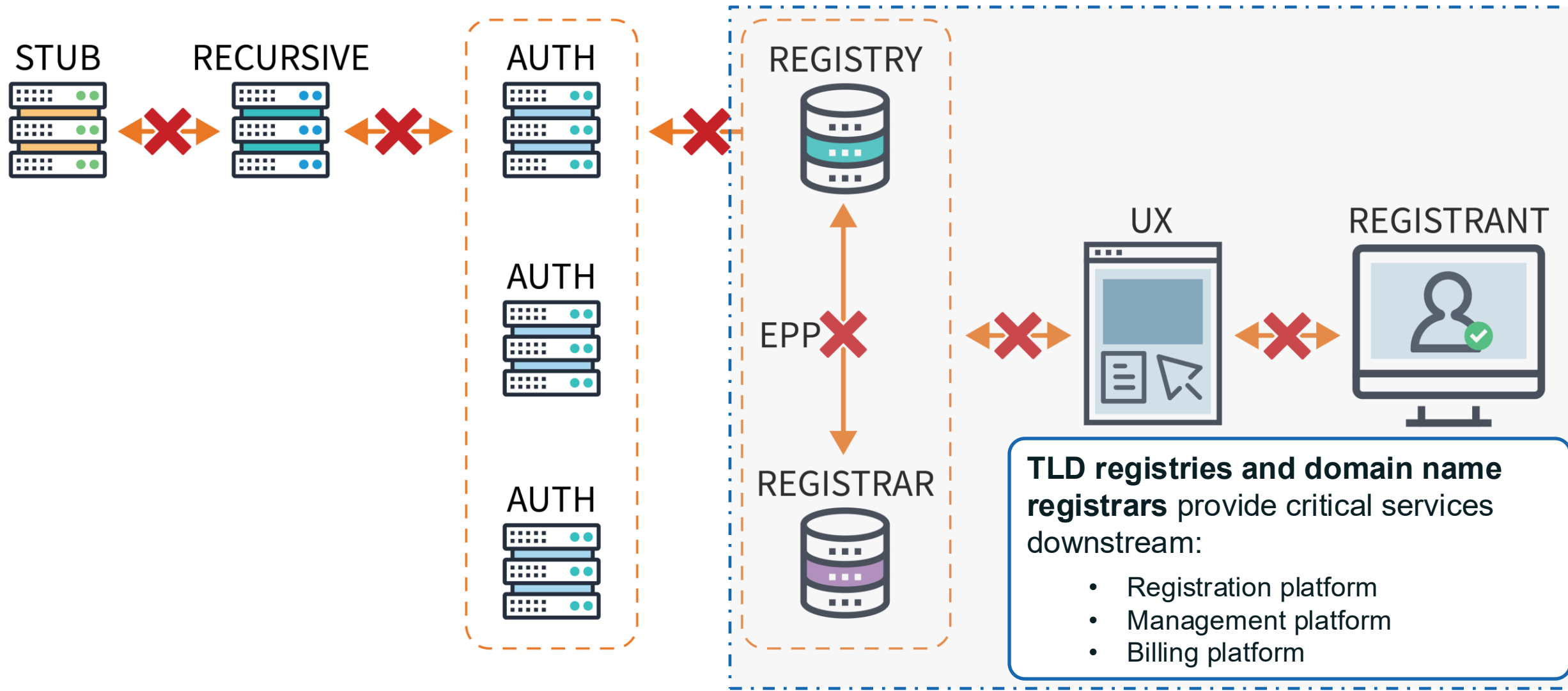


Champika Wijayatunga
Technical Engagement Director (APAC)

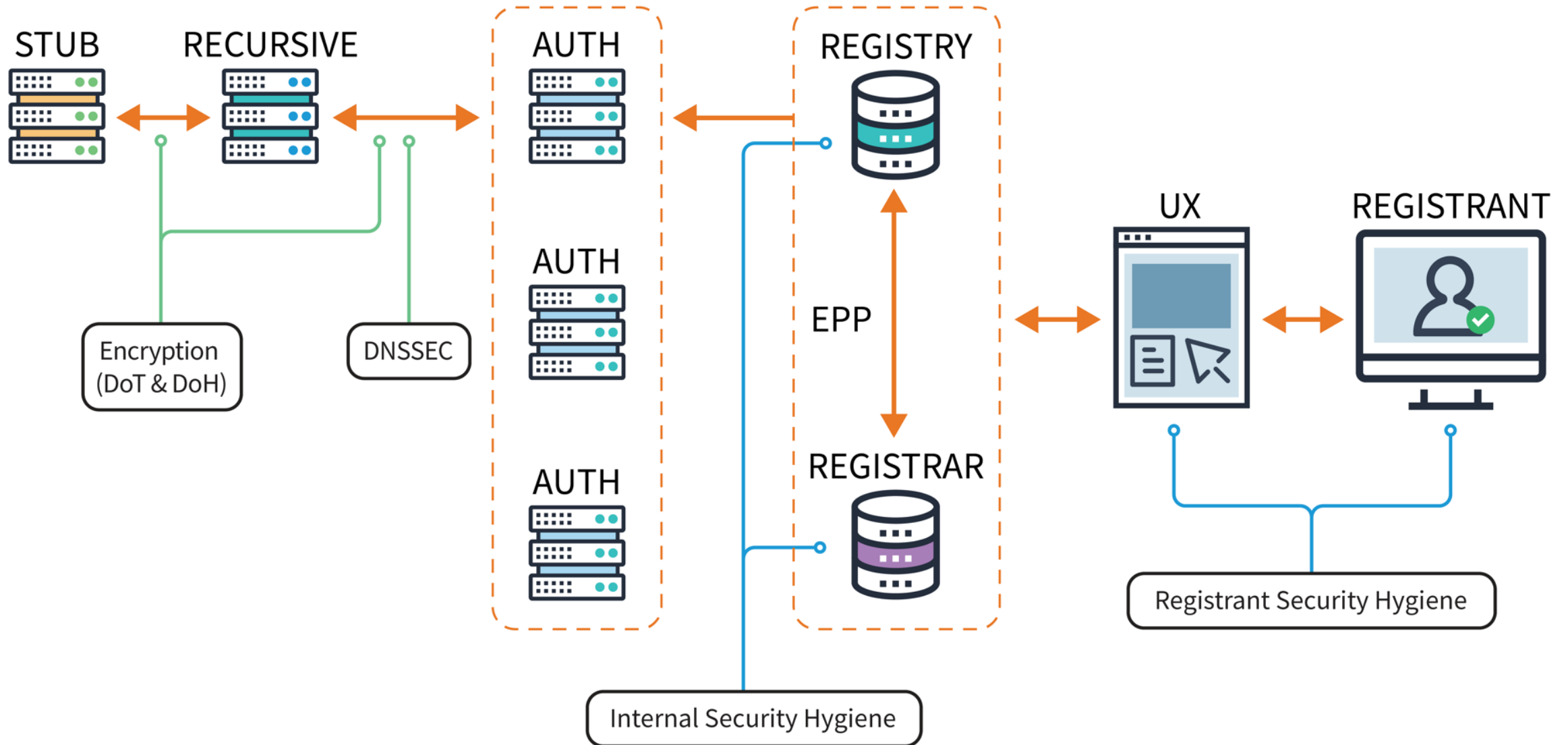
Contractual Relations – For a Secure and Stable DNS Ecosystem



Potential Target Points of the DNS Infrastructure

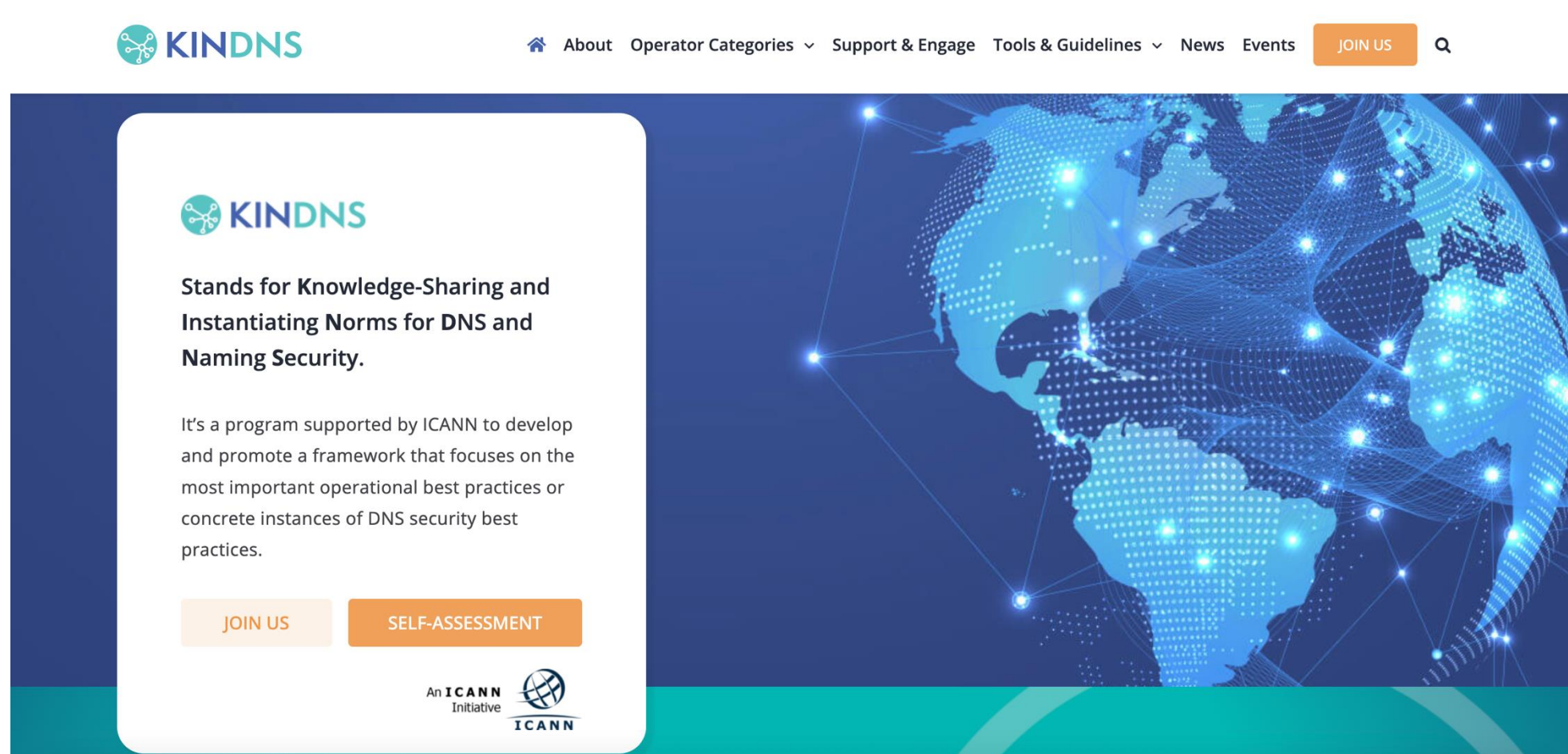


A More Secure DNS Infrastructure



KINDNS Framework / Platform

<https://www.kindns.org>



The screenshot shows the homepage of the KINDNS website. The header features the KINDNS logo on the left and a navigation menu on the right with links for 'About', 'Operator Categories', 'Support & Engage', 'Tools & Guidelines', 'News', and 'Events'. A prominent orange 'JOIN US' button and a search icon are also in the header. The main content area has a dark blue background with a glowing globe graphic on the right. On the left, a white box contains the KINDNS logo, the text 'Stands for Knowledge-Sharing and Instantiating Norms for DNS and Naming Security.', a paragraph describing the program as an ICANN-supported framework for DNS security best practices, and two orange buttons labeled 'JOIN US' and 'SELF-ASSESSMENT'. At the bottom of this white box is the 'An ICANN Initiative' logo.

KINDNS

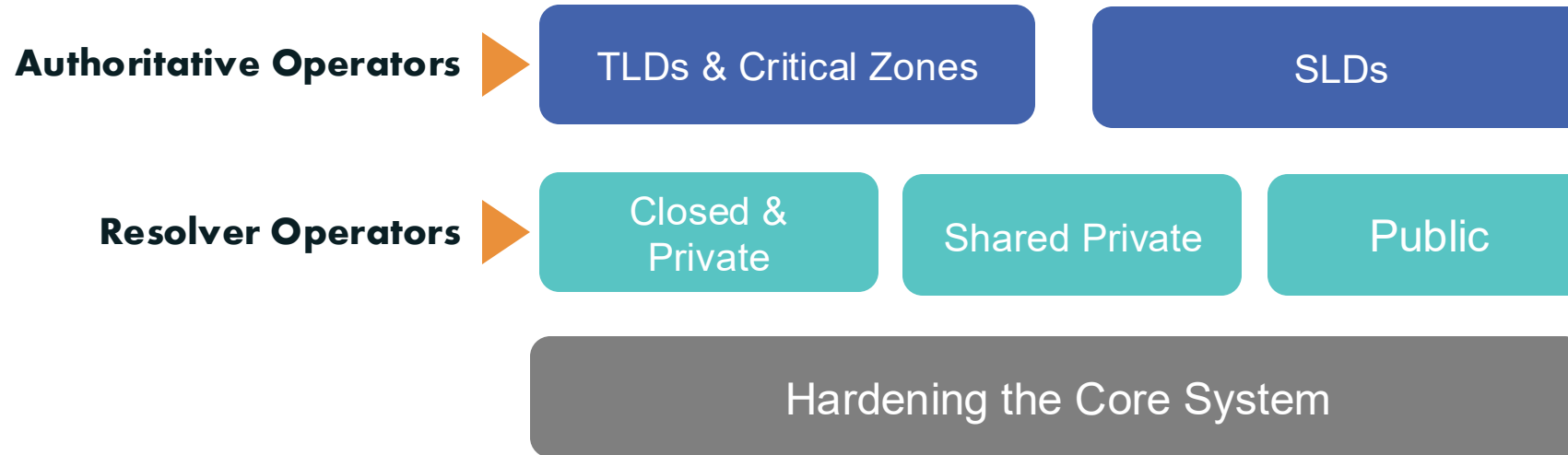
Stands for Knowledge-Sharing and Instantiating Norms for DNS and Naming Security.

It's a program supported by ICANN to develop and promote a framework that focuses on the most important operational best practices or concrete instances of DNS security best practices.

[JOIN US](#) [SELF-ASSESSMENT](#)

An ICANN Initiative

Why KINDNS?



By joining the KINDNS initiative, DNS Operators are voluntarily committing to adhere to the identified practices and act as “goodwill ambassadors” within the community.

ICANN Domain Metrica

domainmetrica.icann.org



Welcome to Domain Metrica

ICANN Domain Metrica serves as a comprehensive measurement platform, aggregating diverse datasets into a unified interface. Our mission is to furnish insightful statistics regarding Internet Identifiers, with a particular focus on domain names. Through the consolidation of disparate datasets, ICANN Domain Metrica unveils patterns and trends that aim to better observations than when examining individual data sets in isolation.

Currently, our platform provides valuable information pertaining to DNS abuse volumes, types, and distributions. Moreover, we are committed to continuous enhancement, with forthcoming updates set to incorporate data derived from ongoing ICANN research projects. This commitment ensures a dynamic and evolving dataset, offering an increasingly comprehensive understanding of Internet Identifiers.

Have an Account?

[Sign In](#)

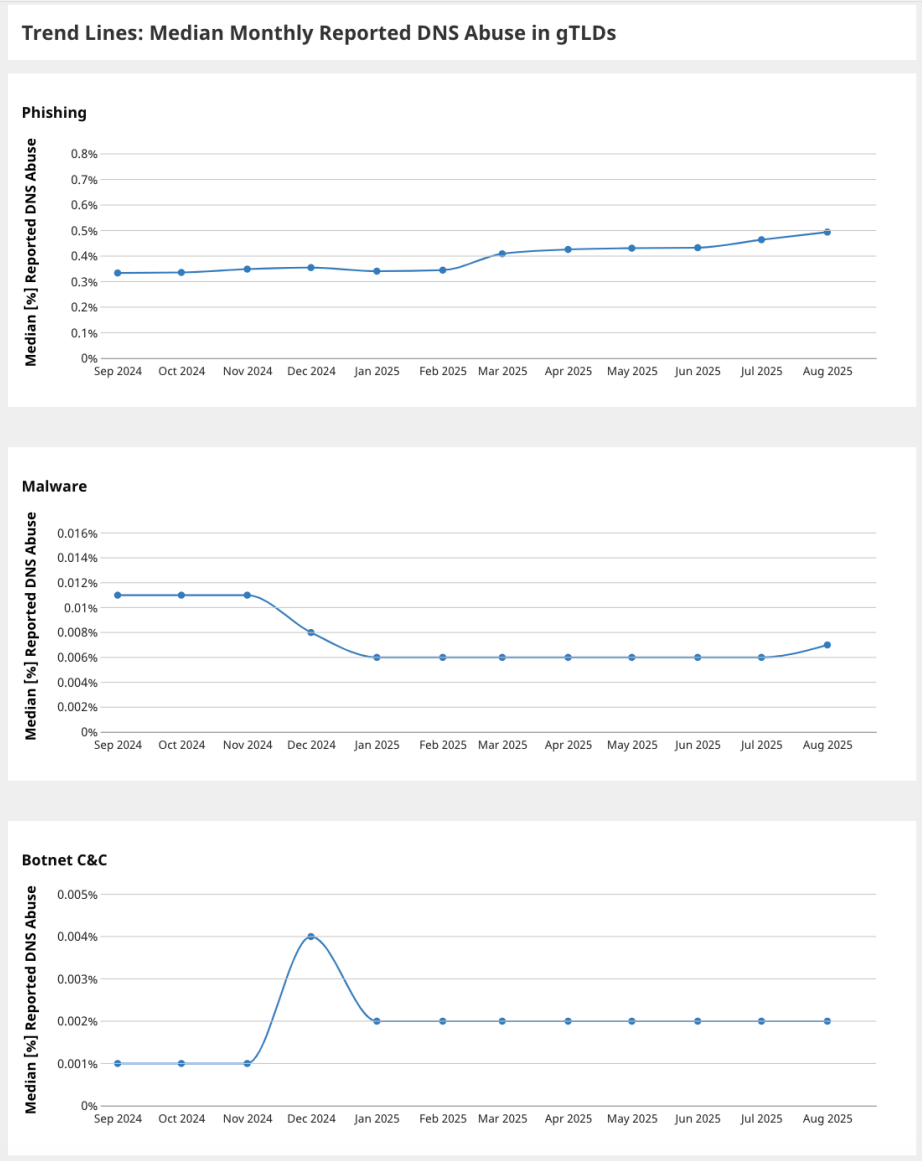
Need Access to Domain Metrica?

[Create a New Account](#)

Are you a Registrar or Registry?

[Registrar and Registry Sign In](#)

ICANN Domain Metrics – Understanding Abuse Trends



ICANN Lookup Tool

Internet users may continue to access public registration data through the ICANN Lookup Tool available at:



The Lookup Tool uses the improved and more secure RDAP protocol.

This next-generation protocol delivers registration data like WHOIS does, but with improved standardized query and response formats.

RDAP has several other advantages including support for internationalization, secure access to data, and the ability to provide differentiated access to registration data.



To learn more and how to incorporate RDAP into your services, click to visit

<https://www.icann.org/rdap>



RDRS for gTLD Nonpublic Registration Data

← → ↺ 🏠 🌐 rdrs.icann.org ⭐

ICANN

LOG IN

RDRSRegistration Data Request Service

RequestsTemplatesHelp

Welcome to the Registration Data Request Service (RDRS)!

Before using RDRS to request access to nonpublic gTLD registration information, please take the following steps:

STEP 1: Check ICANN's Lookup Tool available at <https://lookup.icann.org> to confirm whether the domain registration data you are seeking is already publicly available.

STEP 2: Proceed with step 3 if the information you are seeking is not available in the ICANN Lookup Tool.

STEP 3: Review the short videos on how to use the system and template feature if you have never used RDRS before.

Video: [How to use the system for requestors](#)

Video: [How to use the template feature for requestors](#)

STEP 4: Review the [Minimum Required Information for Whois Data Requests](#) to ensure you understand what information you'll need to provide in the RDRS form for registrar review.

STEP 5: Refer to the following resources, if you have additional general questions about

Login with ICANN Account

or

Create an ICANN Account

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Cookies PolicyRDRS Privacy PolicyRDRS Terms & ConditionsRDRS Terms of Service

Get Involved and Informed



Attend an ICANN Public Meeting. Three times a year, ICANN holds free and open public meetings in different regions around the world. Visit meetings.icann.org to learn more.



Visit go.icann.org/journey to learn how you can attend an ICANN Public Meeting as part of the NextGen@ICANN or ICANN Fellowship programs.



Take a free online course at learn.icann.org.



Attend events in your region.



Find and participate in an ICANN community group by visiting icann.org/community.



Sign up for ICANN news alerts and regional newsletters.

Engage with ICANN – Thank You and Questions



One World, One Internet

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