

PTI/IANA Update

Lise Fuhr

Wei Wang

Kim Davies

David Conrad

ICANN 63: Barcelona, Spain

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PTI | An ICANN Affiliate

What are IANA and PTI?

- The Internet Assigned Numbers Authority (IANA) functions involve maintaining the definitive records for assignment of unique identifiers, typically divided into three areas:
 - Names — management of the DNS root zone (TLD assignment) and other key domains
 - Numbers — managing the global IP address and AS number spaces
 - Protocol parameters — managing unique assignment of codes and parameters used by around 3,000 different Internet technologies
- Public Technical Identifiers (PTI) is a not-for-profit organization that performs the IANA functions
 - Created in 2016
 - Affiliated with ICANN; Fully funded by ICANN
 - Created as one of the measures designed in the IANA stewardship transition process, previously IANA functions performed directly by ICANN

<https://iana.org/>

<http://pti.icann.org>

PTI Board



Lise Fuhr
CHAIR



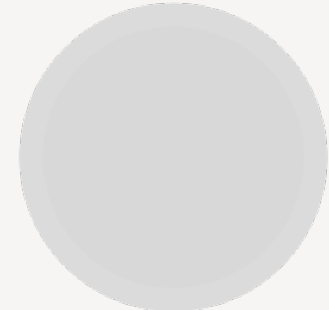
Wei Wang
DIRECTOR



Kim Davies
PRESIDENT



David Conrad
DIRECTOR



TBD
DIRECTOR

Nomcom Appointed

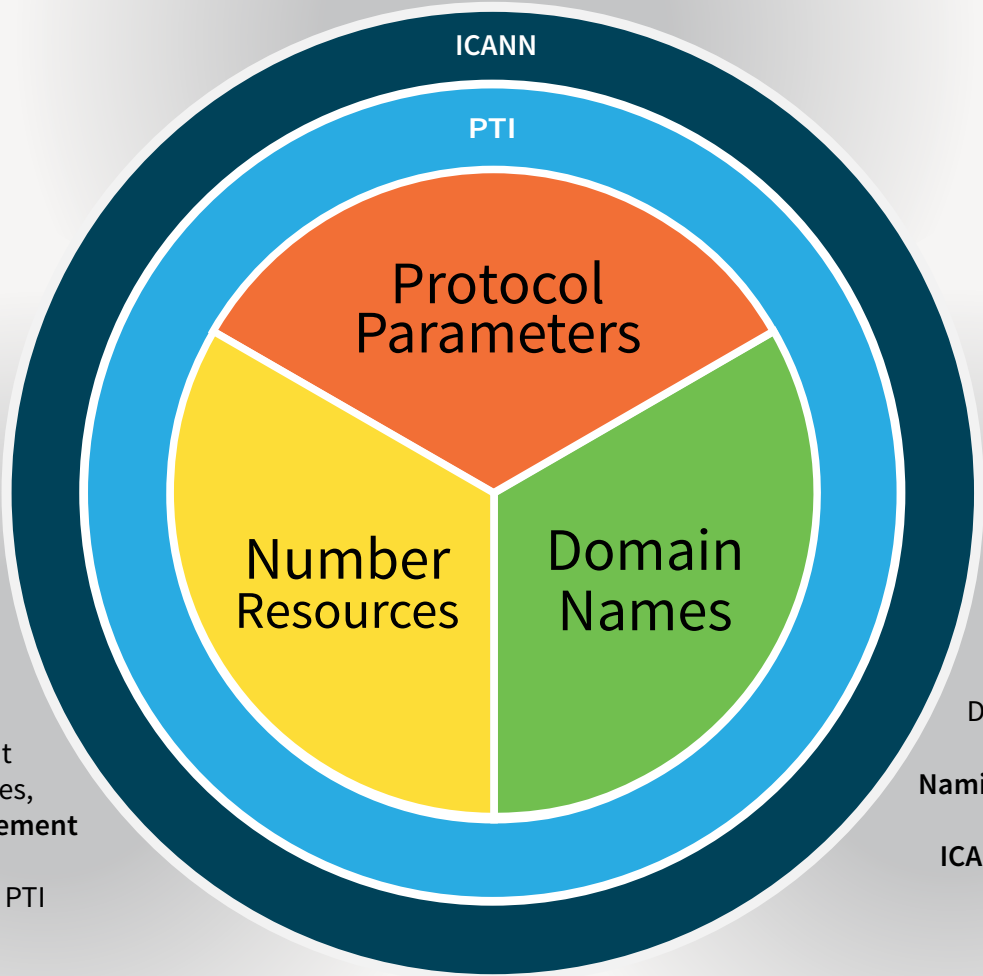
ICANN Appointed

- Five member board, with two Nomcom appointed members, three ICANN appointed members (including President ex-officio).
- Additional officers: Samantha Eisner (Company Secretary), Becky Nash (Company Treasurer)
- Board Audit Committee: Gary Rolfes (Chair, non-director member), David Conrad

<https://pti.icann.org/pti-board-of-directors>

Community oversight

Protocol Parameter oversight
through **Memorandum of Understanding**
between IETF and ICANN,
subcontracted from ICANN to PTI



Number resource oversight
by Regional Internet Registries,
governed by **Service Level Agreement**
between ICANN and RIRs,
subcontracted from ICANN to PTI

Domain Name oversight by ICANN;
governed by
Naming Contract between ICANN and PTI;
performance oversight by
ICANN Customer Standing Committee

Board priorities

- Finances and Budgeting
 - Note: FY20 budget out for public consultation until 12 November.
- Strategic planning
- Reviewing operational performance and key projects
- Defining organization
 - Roles and Responsibilities
 - Tracking not-for-profit classification

Staff team



Alan Akahoshi
PRODUCT MGMT



Shaunte Anderson
AUDIT



Amanda Baber
REQUEST SPECIALIST

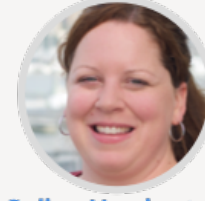


Michelle Cotton
IETF RELATIONS



Kim Davies
PRESIDENT

At ICANN 63



Selina Harrington
REQUEST SPECIALIST



Marilia Hirano
EXCELLENCE & AUDIT

At ICANN 63



Jennifer Johnson
EXECUTIVE ASSISTANT



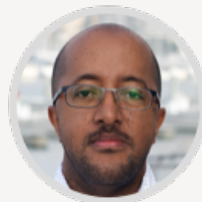
Ali Mohammadi
SOFTWARE



Andres Pavez
CRYPTO



David Prangnell
TECH SERVICES



Seman Said
SOFTWARE



Naela Sarras
SERVICE DELIVERY

At ICANN 63



Sabrina Tanamal
REQUEST SPECIALIST

- 14 team members based in Los Angeles
- Performs the core IANA functions:
 - Request processing and customer service delivery
 - Implementation of dedicated systems and processes
 - Manage third parties including audit and continuous improvement programs
- Support by dedicated and shared resources from the broader ICANN org

KSK Rollover

- Multi-year process to replace the trust anchor for the DNS for the first time
- Considered sensitive as how software copes with updating the anchor had been untested in the real world.
- Cut-over was originally planned for 11 October 2017 but was delayed to study late-breaking telemetry data.
- Cut-over was conducted on **11 October 2018**.
- Preliminary data suggests there was minimal impact from the change and it went better than most expected.
- Still remains to revoke the old key, and then safely destroy the old key. Will take lessons learned and plan for future rollovers.



<https://iana.org/dnssec>

Thank you!

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