Statement of Interest

Name
Willem Toorop

Affiliation and current position
NLnet Labs, Senior Developer

Relevant qualifications

* I have worked on NLnet Labs DNS software
  (getdns, ldns, Net::DNS, NSD and Unbound)

* I have supervised DNS measurements, such as:
  - "Discovering Path MTU Black Holes on the Internet Using the RIPE Atlas", Maikel de Boer and Jeffrey Bosma, University of Amsterdam, July 2012
  - "Making do with what we've got: Using PMTUD for a higher DNS responsiveness", Hanieh Bagheri and Victor Boteanu, University of Amsterdam, February 2013
  - "Measuring the Deployment of DNSSEC over the Internet", Nicolas Canceill, University of Amsterdam, July 2014
  - "Analysis of DNS Resolver Performance Measurements" Hamza Boulakhrif, University of Amsterdam, July 2015
  - "Discovery method for a DNSSEC validating stub resolver" Xavier Torrent Gorjón, University of Amsterdam, July 2015

* I have participated and presented on DNS measurements, such as:

  - "The Root Canary – measuring and monitoring the impact of the KSK rollover", Willem Toorop, IEPG @ IETF99, July 2017
  - "The impact of NTP security weaknesses on DNSS(SEC)", Willem Toorop, RoN++, December 2017
  - "DNSThought - Everything you ever wanted to know about caching resolvers but were afraid to ask", Willem Toorop, DNS-OARC29, Amsterdam, the Netherlands, October 2018
  - "Measuring CNAME + DNAME", Willem Toorop, DNSOP WG at IETF103, Bangkok, Thailand, November 2018
  - "A First Look at QNAME Minimization in the Domain Name System", Wouter B. de Vries, Quiring Scheitle, Moritz Müller, Roland van Rijswijk-Deij, Willem Toorop, Ralph Dolmans, PAM 2019, Puerto Varas, Chili, March 2019 (Best Dataset Award)

* I am currently performing measurements on the effects of the root KSK rollover and the fall of EDNS0 work-arrounds after DNS Flagday.

Motivation for membership in the RSSAC Caucus
I attended last meeting in Prague, and would like to help out and provide feedback for the resolver measurements study.

Indication of availability
1 day a month.