

Subject: [Ext] Re: DNSSEC Signing of root-servers.net Consultation
Date: Wednesday, April 23, 2025 at 11:46:36 AM Eastern Daylight Time
From: Wessels, Duane
To: Geoff Huston
CC: Daniel Gluck, Andrew McConachie

Dear Geoff,

Thank you for reaching out on behalf of RZERC regarding adding DNSSEC signatures to the root-servers.net zone. After closely reviewing the follow-up studies by NLNet Labs and SIDN performed for RZERC and RSSAC, Verisign remains in favor of signing the root-servers.net zone as we originally proposed in May 2020.

We agree that risks to adding DNSSEC signatures are low and believe signing root-servers.net to be the least disruptive approach. As shown by the previously mentioned studies, signing root-servers.net will not alter the characteristics of priming responses. That is, priming responses will not increase in size, nor become truncated, since the signatures will be present only in the root-servers.net zone, and not the root zone. Furthermore, only resolvers that are written or configured to perform validation will make separate queries for the signed address records.

We are not necessarily opposed to alternative naming schemes as envisioned in RSSAC028. However, there are several aspects to those schemes that will probably require further consideration, study and debate. Signing the root-servers.net zone today does not prevent RSSAC from pursuing alternative naming approaches should it choose to do so.

Duane Wessels
RZM representative to RZERC