Root Server System Advisory Committee

Update

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Committee Status

- RSSAC is one of the original ICANN Advisory Committees, advises the Board on issues pertaining to operation of the root nameservers.

- Content of root zone is out of scope except for operational impact such as changes to software required to serve it. We publish what we're given.

- Members are root nameserver operators and other liaisons and observers. Next meeting: IETF San Diego, 1-August

Brief technical updates

- Anycast deployment continues. This effort began over a year ago to increase overall system resilience against attack. F-root, I-root, K-root, and M-root have announced new sites since ICANN-Rome.

- Interest in IDN is good news for the Internet but requires no action by root server operators.

IPv6 AAAA addresses

- Per RSSAC recommendation, as reviewed by SSAC and ICANN Board, IANA has begun adding AAAA glue to the root zone.
- Next work item: advice on AAAA glue in the root-servers.net zone for the root servers themselves.
- Technical subtleties about this: legacy software and backwards compatibility.
- Engineering conservatism!

DNS Security (DNSSEC)

- Extension to DNS standards allowing for signed data, provides assurance that critical DNS data has not been tampered with.

- DNSSEC standard is advancing within the IETF. RSSAC members are active in implementation, testing, and deployment activities.

- RSSAC expects to work with IANA and advise as needed on the administrative and operational issues around DNSSEC for the root zone.

Where to find us

- Formal and informal participation in GAC and other ICANN meetings

- www.root-servers.org for public information on root server operations.

- www.icann.org/committees/dns-root for RSSAC information

- rssac-comments@icann.org for questions and comments.