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.