

Statement of Interest

Name

Geoff Huston

Affiliation and Current Position

Chief Scientist, APNIC

Relevant Qualifications

Academic Qualifications: B.Sc (Hons), ANU, (1978) M.Sc, ANU (1981)

Professional Positions:

- Network Technical Manager, Australian Academic and Research Network
1989 – 1995
- Chief Internet Architect, Telstra
1994 – 2004
- Chief Scientist, APNIC
2004 – present

Member: Security and Stability Committee (SSAC) ICANN

2015 – present

Member: Internet Architecture Board

1999 – 2005

I have also chaired a number of IETF Working Groups, including GROW (concerning BGP operations), SIDR (BGP security), and SHIM6 (IPv6 multihoming), and authored and co-authored a number of RFCs on various topics.

I was also a member of ICANN's KSK Roll Design team over 2016.

Motivation for Membership in the Caucus

As the head of a small research team at APNIC I have been responsible for a number of studies of the behaviour of the DNS and the root server system in particular. My interest in this area has been prompted by considerations of the overall task of securing the numbering and naming infrastructure, and the more specific questions concerning the current process of rolling the KSK.

My group's work over the past 24 months has been primarily concerned with measuring the extent of use of resolvers that perform DNSSEC validation, the algorithms they support as validating resolvers, and the performance of validation. This has been used as part of the material used on more recent studies in estimating the impact of the KSK roll on resolvers.

Indication of Availability

Given the high profile of DNS work in my current research activities I can make time available for RSSAC Caucus activities.

Links where appropriate

- Web site for APNIC: www.apnic.net
- Web site of my research activities, data collections and presentations: www.potaroo.net