

## **Statement of Interest for RSSAC Caucus**

Name: **Shumon Huque**

Affiliation: **Principal Research Scientist, Verisign Labs**

### **Relevant Qualifications:**

I currently hold the position of Principal Research Scientist at Verisign Labs, the applied research division of Verisign. In this role, I conduct research into Internet protocols, systems, and architectures including a specific focus on DNS and DNSSEC. I have in-depth technical knowledge of the DNS protocol and extensive engineering & operational experience with the DNS. Prior to Verisign, I spent 20 years at the University of Pennsylvania in a variety of technical roles (from programmer, network engineer, to engineering director). These roles involved designing and operating many critical systems including DNS, authentication and security, routing, etc. I was an early adopter of DNSSEC, first deploying it in production systems at Penn back in 2006, and played a prominent role in promoting DNSSEC at Internet2 and the US Research & Education community. I co-chaired the Internet2 DNSSEC Special Interest Group among other activities.

### **Motivation for membership in the Caucus:**

I have a strong interest in all aspects of the DNS ecosystem, from design & operation of DNS infrastructure, to protocol and implementation details, and future evolution of the DNS. I welcome the opportunity to participate more widely in matters related to the operation and integrity of the DNS root server system. From Verisign, I'll be able to bring knowledge of aspects of root server operation. I am equally at home discussing technical matters with engineers and programmers as I am with managers and directors. I have experience working effectively in committees, and writing clear and compelling technical reports.

### **Indication of availability:**

I expect to have the requisite amount of time to devote to RSSAC caucus activities, and have the approval of my management to do so. Executing the RSSAC caucus member role would be considered within my job responsibilities, and Verisign will fund my in-person attendance at ICANN & IETF meetings and other relevant venues.

### **Formal roles and interests in the work of the RSSAC:**

Employed as a Research Scientist by Verisign Inc, operator of the A and J root DNS servers and the root zone function manager.

### **Links where appropriate:**

[https://www.verisigninc.com/en\\_US/innovation/verisign-labs/innovators/shumon-huque/index.xhtml](https://www.verisigninc.com/en_US/innovation/verisign-labs/innovators/shumon-huque/index.xhtml)