Root Server System Governance Working Group

Teleconference #2 19 March 2020 | 22:00 UTC



Agenda

- 1. Call to Order and Attendance
- 2. Administration
 - a. Approval of Minutes from Teleconference #1
 - b. Review of RSS GWG Chair Selection Process
- 3. Review of RSSAC037 and RSSAC038
- 4. Any Other Business
 - a. Review of Action Items
 - b. Next Teleconference
- 5. Adjournment

1. Call to Order and Attendance

Luis Diego Espinoza Sanchez	ccTLD registries (via Country Code Names Supporting Organization)	Representative
Peter Janssen	ccTLD registries (via Country Code Names Supporting Organization)	Representative
Kurt Pritz	gTLD registries (via Registries Stakeholder Group)	Representative
Hanyu Yang	gTLD registries (via Registries Stakeholder Group)	Representative
Ted Hardie	Internet Architecture Board	Representative
Geoff Huston	Internet Architecture Board	Representative
Hiro Hotta	Root Server Operators	Representative
Lars-Johan Liman	Root Server Operators	Representative
Brad Verd	Root Server Operators	Representative
Joe Abley	Security and Stability Advisory Committee	Representative
Tripti Sinha	ICANN Board	Liaison
Lito Ibarra	ICANN Board	Liaison (Alternate)
Naela Sarras	IANA	Liaison
Duane Wessels	Root Zone Maintainer	Liaison

a. Approval of Minutes from Teleconference #1

b. Review of RSS GWG Chair Selection Process

Two-week Nomination Period Opened: Tuesday, 3 March 2020

 Nomination via the mailing list. Candidates may provide statements via the mailing list during this timeframe. Self-nomination is possible.

Two-week Nomination Period Closed: Tuesday, 17 March 2020

- \circ $\,$ Support staff confirm final slate of candidates on the mailing list
 - Ted Hardie and Brad Verd

Election: Tuesday, 23 March 2020

Support staff distribute secret electronic ballot to RSS GWG representatives for a vote.

3. Review of RSSAC037 and RSSAC038

A Proposed Governance Model for the DNS Root Server System



Setting the Context and Expectations





Workshop Timeline and What Happened



Global DNS Root Service



1000+ DNS root server instances in the global DNS root cloud

- 1. Cogent Communications
- 2. ICANN
- 3. Internet Systems Consortium
- 4. NASA Ames Research Center
- 5. Netnod
- 6. Réseaux IP Européens Network Coordination Centre
- 7. University of Maryland
- 8. University of Southern California, Information Sciences Institute
- 9. U.S. Department of Defense Network Information Center
- 10.U.S. Army Research Laboratory
- 11.Verisign, Inc.
- 12.WIDE Project and Japan Registry Services





Distribution servers Anycast sites



Model Design Principles







Governance: An Interplay of Three Constructs Operating in Parallel





Governance: A Balance and Interplay of Separate Functions

Secretariat Function (SF)

Strategy Architecture and Policy Function (SAPF)

Designation and Removal Function (DRF)

Performance Monitoring and Measurements Function (PMMF)

A sample of what could be measured and monitored

Financial Function (FF)

Funding should be sourced from stakeholders and related parties.

Funding should support RSS operations, RSS emergencies, R&D and model implementation.

Financial Function (FF)

Introducing BPQ – A Proposed RSS Capacity Indicator

Determining the Cost for the Value of BPQ

Costed using industry standard cost determination methodologies

Manifesting the Model: A Set of Three Recommendations

ICANN

RSSAC038 Recommendations

 The RSSAC recommends that the ICANN Board initiate a community process to produce a final version of the Model for implementation.
 Use the provided methodology (or a similar one) to cost out the implementation and operations of the Model.
 Implement the Model based upon the principles of accountability, transparency, sustainability, and service integrity.

Scenarios – Testing the Model

- 1. Designation
- 2. Voluntary Resignation
- 3. Poor Performance
- 4. Catastrophic Shutdown
- 5. Rogue Operator

1. Designation

2. Voluntary Resignation

3. Poor Performance

4. Catastrophic Shutdown

5. Rogue Operator

Thank you.

Questions?

- a. Review of Action Items
- b. Next Teleconference: Thursday, 2 April 2020, 22:00 UTC

Adjournment

RSS GWG workspace: https://go.icann.org/rssgwgworkspace