Root Server System Governance Working Group

Teleconference #3

2 April 2020 | 22:00 UTC

Agenda

1. Call to Order (Ted Hardie) and Attendance (Carlos Reyes)
2. Review/Adopt Agenda (Ted Hardie)
3. Administration
   a. Approval of Minutes from Teleconference #2 (Carlos Reyes)
   b. Private Workspace (Carlos Reyes)
   c. Communications with RSSAC (Ted Hardie)
4. Accepting Source Documents (Ted Hardie)
5. RSSAC037 Scenarios (Brad Verd)
6. RSS GWG Workplan and Iterative Consultations (Ted Hardie)
7. RSS GWG Editor (Ted Hardie)
8. Any Other Business
   a. Review of Action Items (Carlos Reyes)
   b. Next Teleconference (Carlos Reyes)
9. Adjournment (Ted Hardie)

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

3. Administration

a. Attendance (Carlos Reyes)

b. Approval of Minutes from Teleconference #2 (Carlos Reyes)

c. Private Workspace (Carlos Reyes)

d. Communications with RSSAC (Ted Hardie)

4. Accepting Source Documents (Ted Hardie)

a. RSSAC037

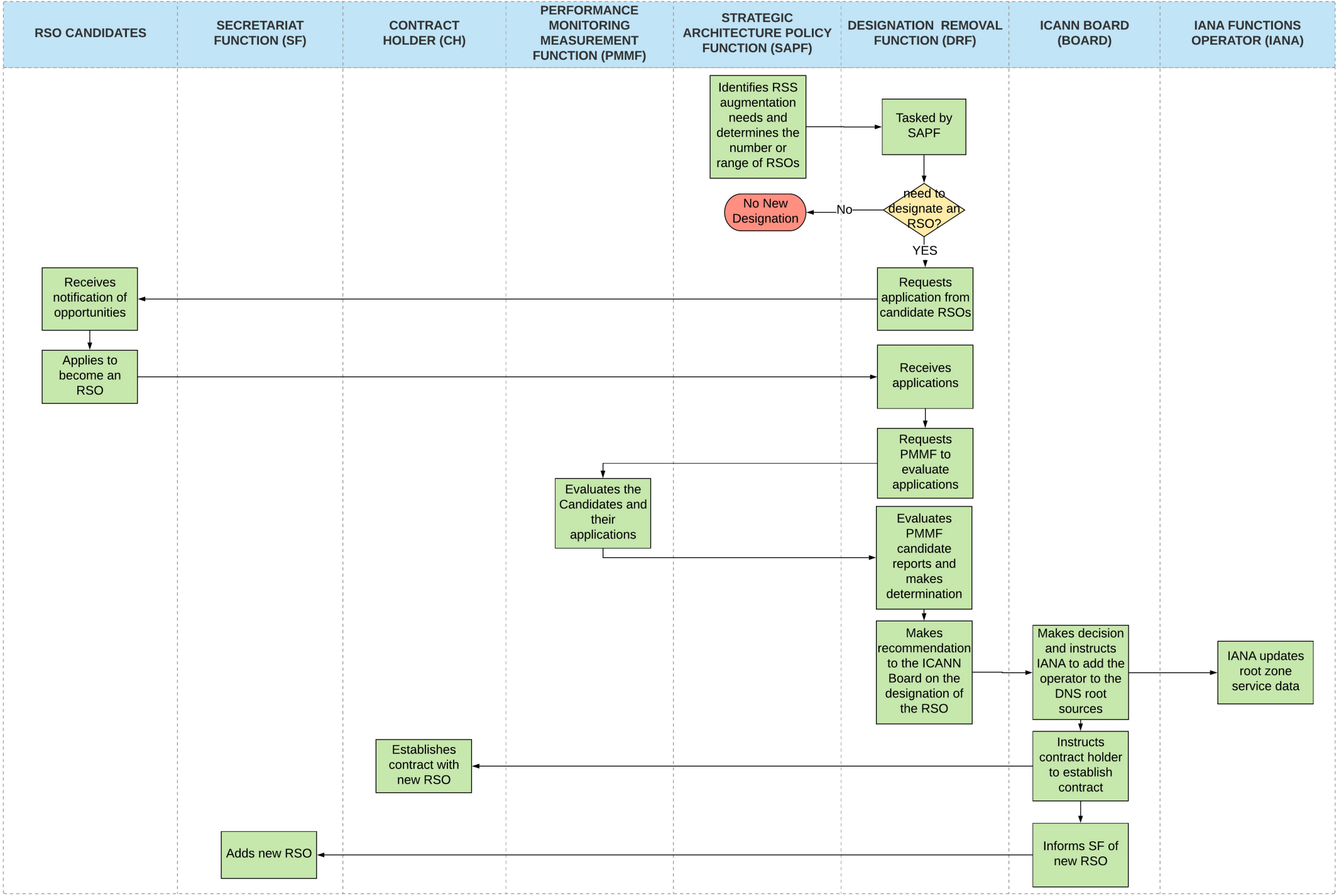
b. RSSAC038

c. Concept Paper

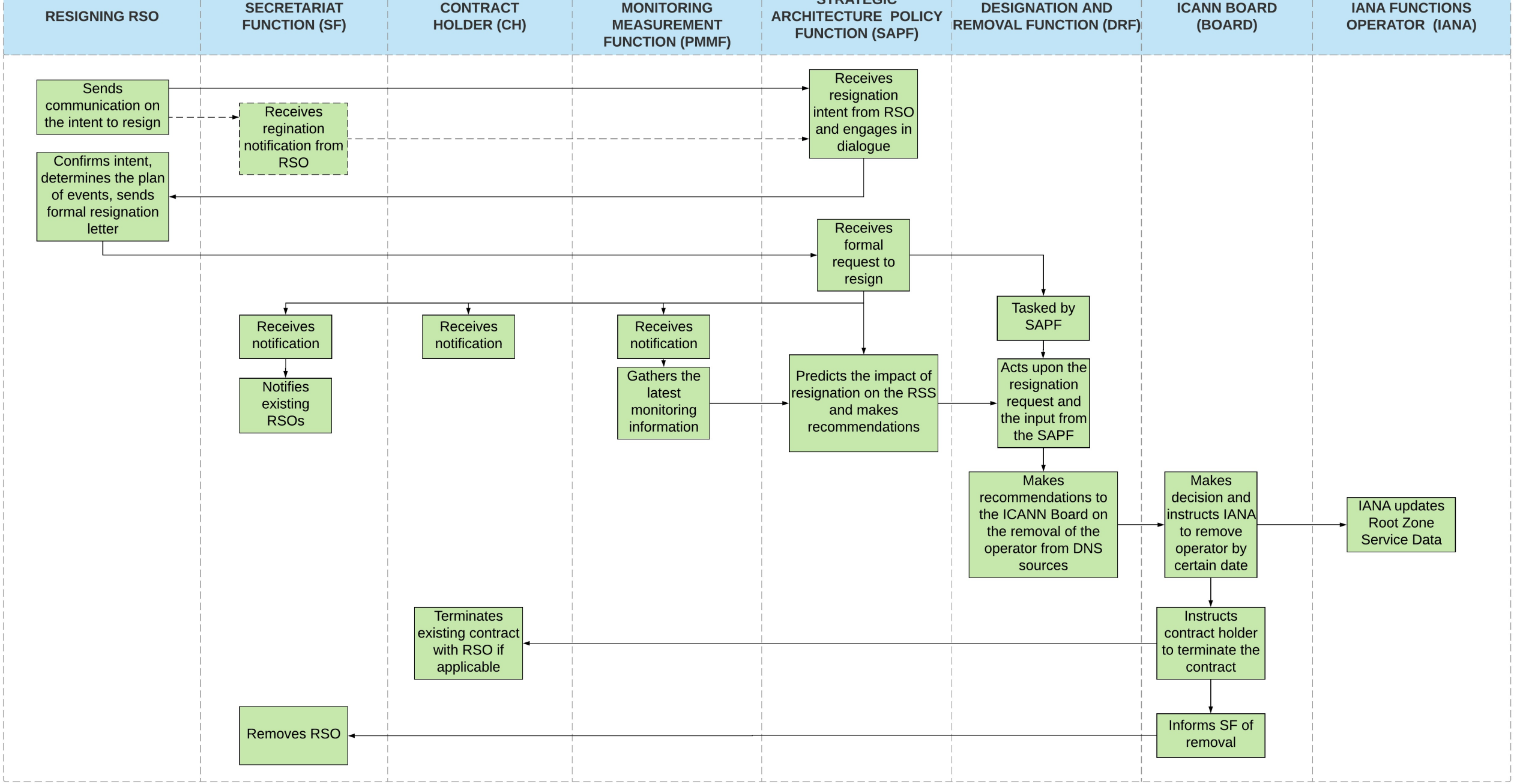
5. RSSAC037 Scenarios (Brad Verd)

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

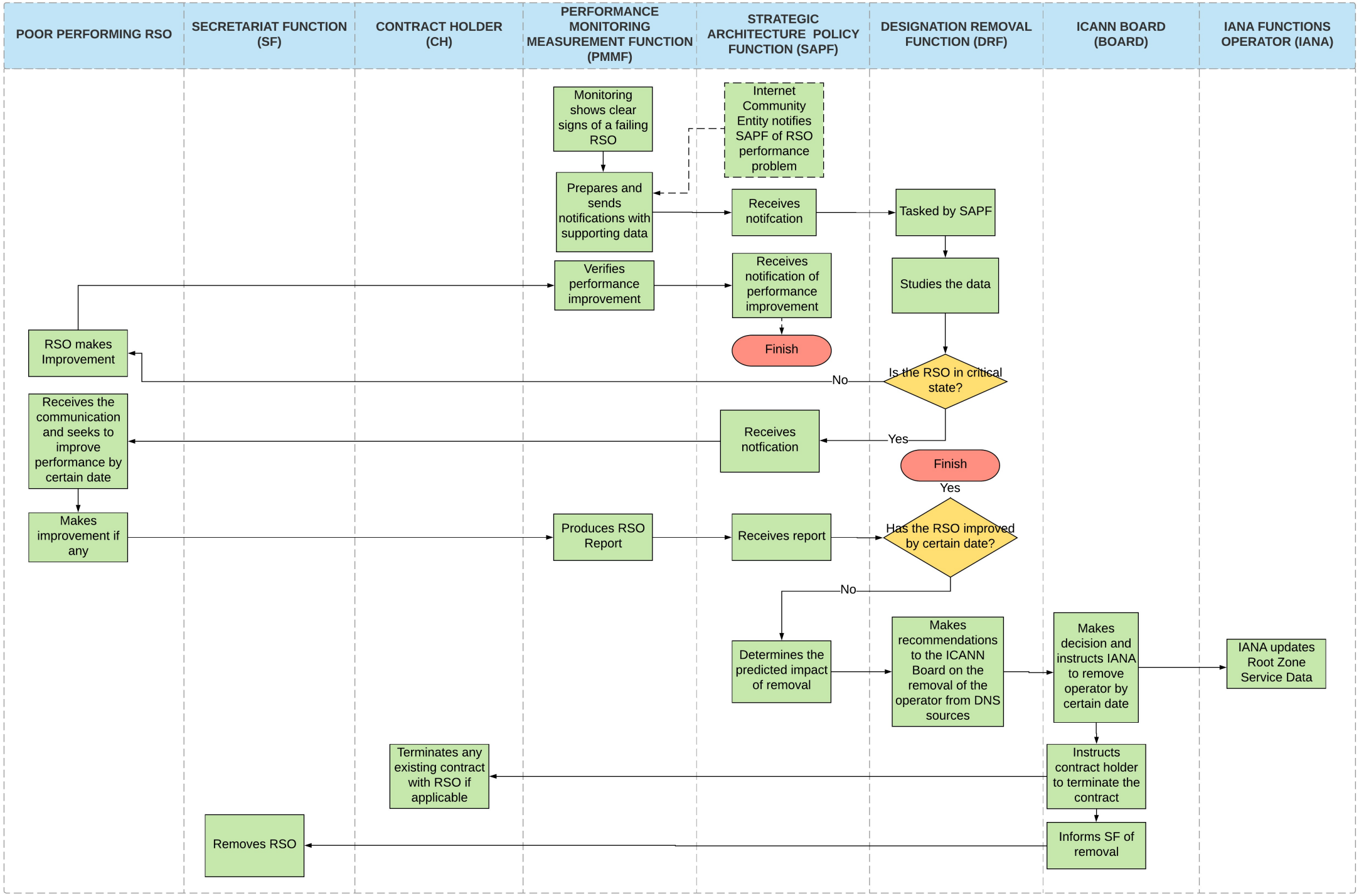
1. Designation


RSO CANDIDATES
SECRETARIAT FUNCTION (SF)
CONTRACT HOLDER (CH)
PERFORMANCE MONITORING MEASUREMENT FUNCTION (PMMF)
STRATEGIC ARCHITECTURE POLICY FUNCTION (SAPF)
DESIGNATION REMOVAL FUNCTION (DRF)
ICANN BOARD (BOARD)
IANA FUNCTIONS OPERATOR (IANA)
Identifies RSS augmentation needs and determines the number or range of RSOs
Tasked by SAPF
need to designate an RSO?
No
No New Designation
YES
Receives notification of opportunities
Requests application from candidate RSOs
Applies to become an RSO
Receives applications
Requests PMMF to evaluate applications
Evaluates the Candidates and their applications
Evaluates PMMF candidate reports and makes determination
Makes recommendation to the ICANN Board on the designation of the RSO
Makes decision and instructs IANA to add the operator to the DNS root sources
IANA updates root zone service data
Instructs contract holder to establish contract
Establishes contract with new RSO
Informs SF of new RSO
Adds new RSO

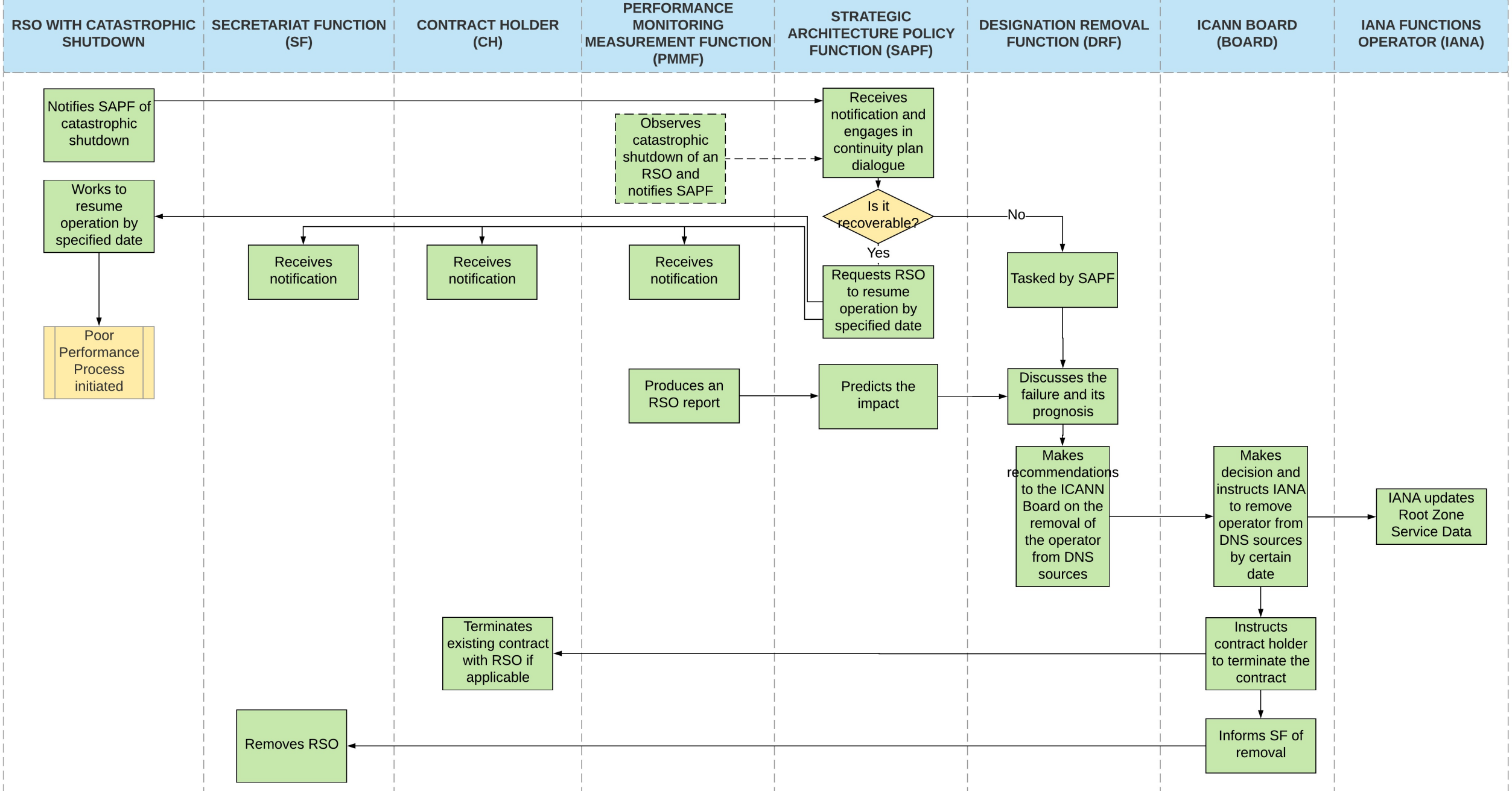
2. Voluntary Resignation


RESIGNING RSO
SECRETARIAT FUNCTION (SF)
CONTRACT HOLDER (CH)
MONITORING MEASUREMENT FUNCTION (PMMF)
STRATEGIC ARCHITECTURE POLICY FUNCTION (SAPF)
DESIGNATION AND REMOVAL FUNCTION (DRF)
ICANN BOARD (BOARD)
IANA FUNCTIONS OPERATOR (IANA)
Sends communication on the intent to resign
Receives regination notification from RSO
Receives resignation intent from RSO and engages in dialogue
Confirms intent, determines the plan of events, sends formal resignation letter
Receives formal request to resign
Receives notification
Notifies existing RSOs
Receives notification
Receives notification
Gathers the latest monitoring information
Predicts the impact of resignation on the RSS and makes recommendations
Tasked by SAPF
Acts upon the resignation request and the input from the SAPF
Makes recommendations to the ICANN Board on the removal of the operator from DNS sources
Makes decision and instructs IANA to remove operator by certain date
IANA updates Root Zone Service Data
Terminates existing contract with RSO if applicable
Instructs contract holder to terminate the contract
Removes RSO
Informs SF of removal

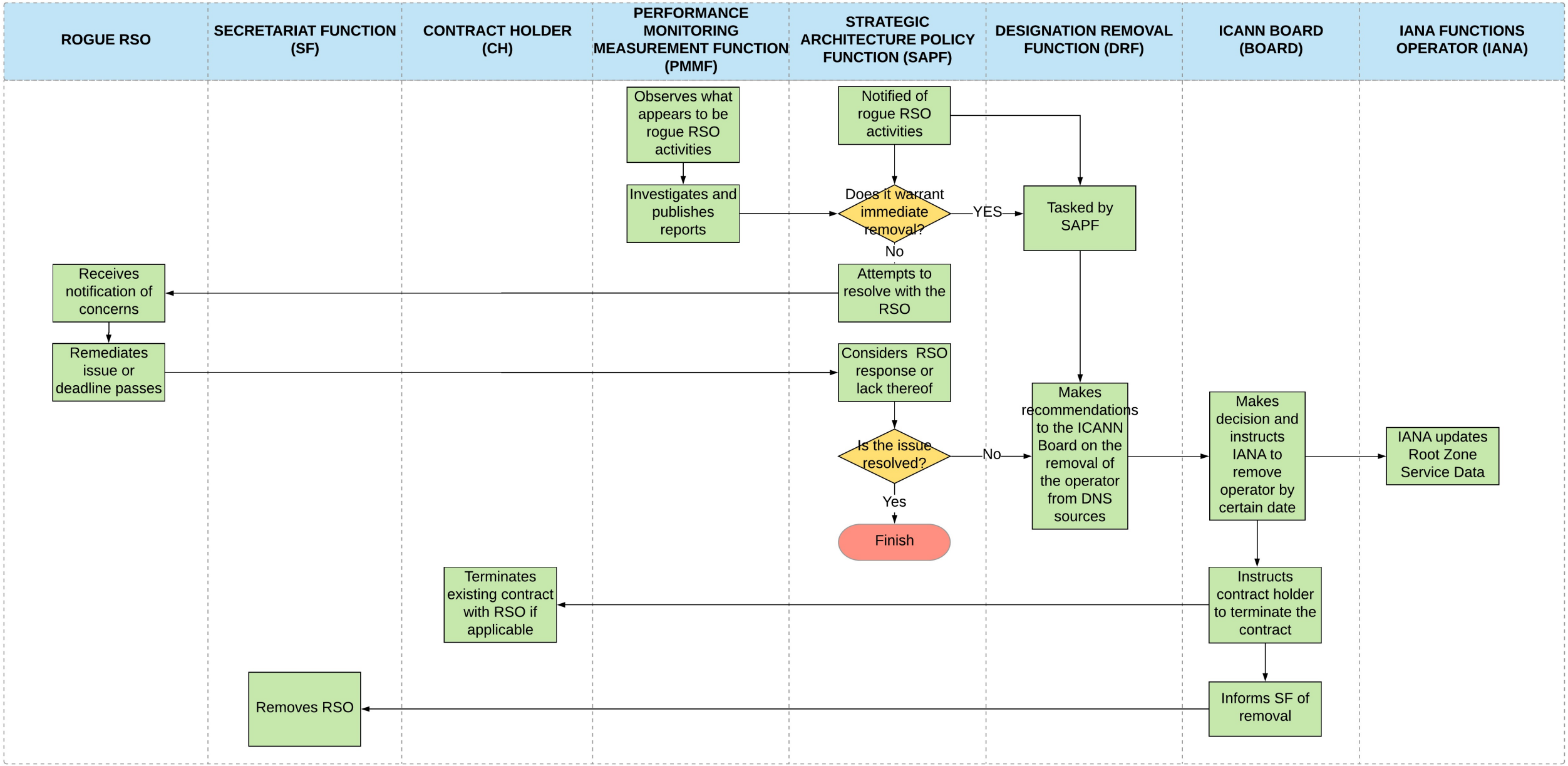
3. Poor Performance


POOR PERFORMING RSO
SECRETARIAT FUNCTION (SF)
CONTRACT HOLDER (CH)
PERFORMANCE MONITORING MEASUREMENT FUNCTION (PMMF)
STRATEGIC ARCHITECTURE POLICY FUNCTION (SAPF)
DESIGNATION REMOVAL FUNCTION (DRF)
ICANN BOARD (BOARD)
IANA FUNCTIONS OPERATOR (IANA)
Monitoring shows clear signs of a failing RSO
Internet Community Entity notifies SAPF of RSO performance problem
Prepares and sends notifications with supporting data
Receives notifcation
Tasked by SAPF
Verifies performance improvement
Receives notification of performance improvement
Studies the data
Finish
RSO makes Improvement
Is the RSO in critical state?
No
Receives the communication and seeks to improve performance by certain date
Receives notfication
Yes
Finish
Yes
Makes improvement if any
Produces RSO Report
Receives report
Has the RSO improved by certain date?
No
Determines the predicted impact of removal
Makes recommendations to the ICANN Board on the removal of the operator from DNS sources
Makes decision and instructs IANA to remove operator by certain date
IANA updates Root Zone Service Data
Terminates any existing contract with RSO if applicable
Instructs contract holder to terminate the contract
Removes RSO
Informs SF of removal

4. Catastrophic Shutdown


RSO WITH CATASTROPHIC SHUTDOWN
SECRETARIAT FUNCTION (SF)
CONTRACT HOLDER (CH)
PERFORMANCE MONITORING MEASUREMENT FUNCTION (PMMF)
STRATEGIC ARCHITECTURE POLICY FUNCTION (SAPF)
DESIGNATION REMOVAL FUNCTION (DRF)
ICANN BOARD (BOARD)
IANA FUNCTIONS OPERATOR (IANA)
Notifies SAPF of catastrophic shutdown
Observes catastrophic shutdown of an RSO and notifies SAPF
Receives notification and engages in continuity plan dialogue
Is it recoverable?
No
Yes
Works to resume operation by specified date
Receives notification
Receives notification
Receives notification
Requests RSO to resume operation by specified date
Tasked by SAPF
Poor Performance Process initiated
Produces an RSO report
Predicts the impact
Discusses the failure and its prognosis
Makes recommendations to the ICANN Board on the removal of the operator from DNS sources
Makes decision and instructs IANA to remove operator from DNS sources by certain date
IANA updates Root Zone Service Data
Terminates existing contract with RSO if applicable
Instructs contract holder to terminate the contract
Removes RSO
Informs SF of removal

5. Rogue Operator


ROGUE RSO
SECRETARIAT FUNCTION (SF)
CONTRACT HOLDER (CH)
PERFORMANCE MONITORING MEASUREMENT FUNCTION (PMMF)
STRATEGIC ARCHITECTURE POLICY FUNCTION (SAPF)
DESIGNATION REMOVAL FUNCTION (DRF)
ICANN BOARD (BOARD)
IANA FUNCTIONS OPERATOR (IANA)
Observes what appears to be rogue RSO activities
Investigates and publishes reports
Notified of rogue RSO activities
Does it warrant immediate removal?
YES
No
Tasked by SAPF
Receives notification of concerns
Attempts to resolve with the RSO
Remediates issue or deadline passes
Considers RSO response or lack thereof
Is the issue resolved?
No
Yes
Finish
Makes recommendations to the ICANN Board on the removal of the operator from DNS sources
Makes decision and instructs IANA to remove operator by certain date
IANA updates Root Zone Service Data
Terminates existing contract with RSO if applicable
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6. RSS GWG Workplan and Iterative Consultations (Ted Hardie)

7. RSS GWG Editor (Ted Hardie)

8. Any Other Business (Carlos Reyes)

a. Review Action Items
b. Next Teleconference: Thursday, 16 April 2020 | 22:00 UTC

9. Adjournment (Ted Hardie)

Adjournment

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