



*ccTLD Security and Stability Together*

A light gray, dotted world map serves as a background for the central text.

# TLD-OPS Update ccNSO Meeting

March 12, 2018  
ICANN64, Kobe

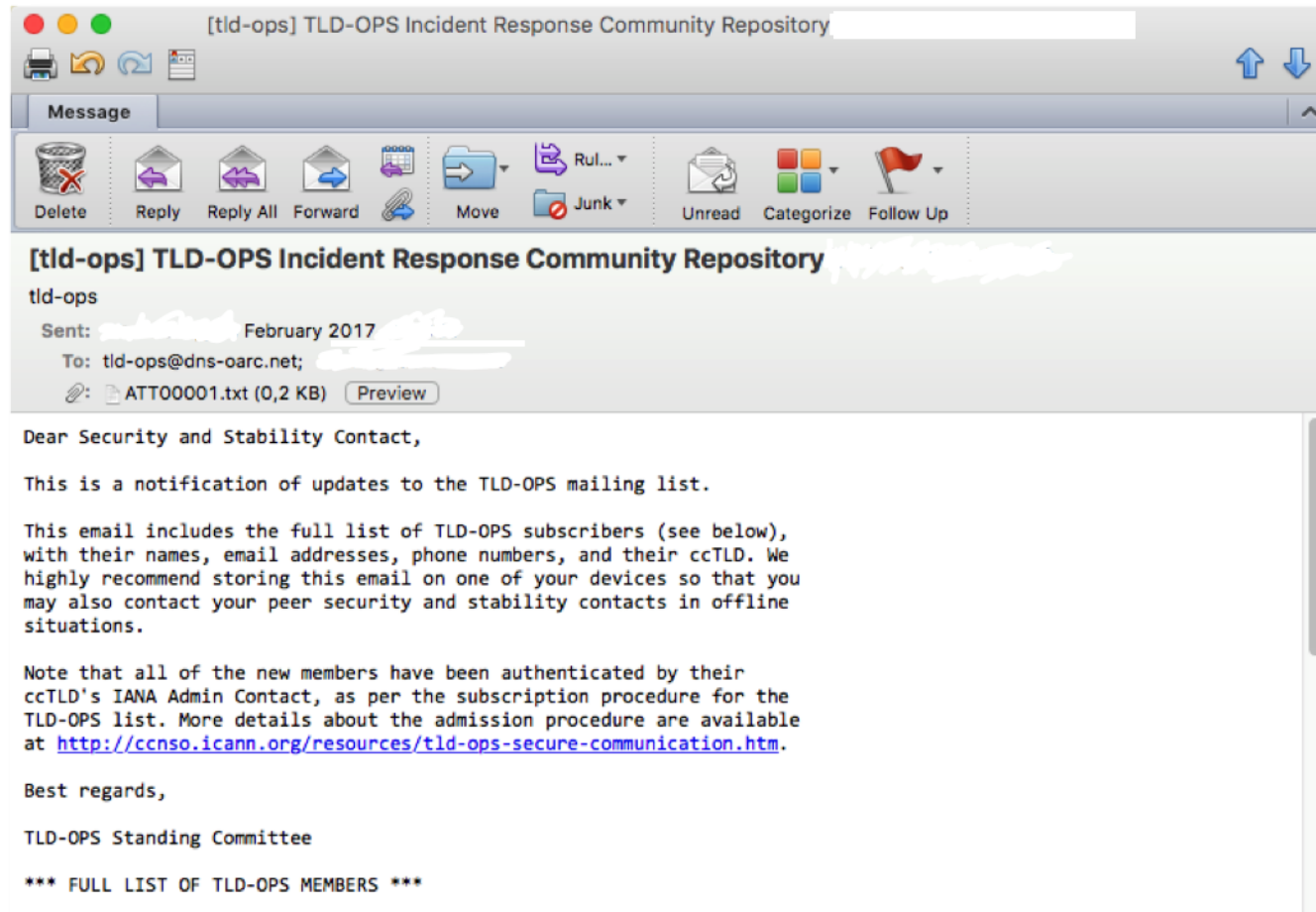
Jacques Latour, .ca (Chair)  
Régis Massé, .fr (Vice Chair)

ccNSO

# TLD-OPS introduction

- Global technical incident response community *for and by* ccTLDs, open to *all* ccTLDs (ASCII and IDN)
- Brings together 380+ people who are responsible for the operational security and stability of 200+ different ccTLDs
- Goal: enable ccTLD operators to collaboratively detect and mitigate incidents that may affect the operational security and stability of ccTLD services and of the wider Internet
- Further *extends* members' existing incident response structures, processes, and tools and *does not* replace them
- Guidance by TLD-OPS Standing Committee
  - ccTLD reps and Liaisons (SSAC, IANA, ICANN's security team)

# Contact Repository Email



“John Doe, #1, .nl, +31 123456789” [john.doe@nic.nl](mailto:john.doe@nic.nl), john@oarc.net  
“Jane Doe, #1, .vn, +84 123456789” [jane.doe@nic.vn](mailto:jane.doe@nic.vn), jane@oarc.net

# Security Alerts and Workshops

Description (a few example)	Month
Malicious Activity Targeting the DNS	Feb-19
Vulnerability in DNS software	Oct-18
Alert: Malware use DNS to steal personal info	Feb-18
Two DDoS attacks on a registry's name servers	Mar-17
Registry front-end compromise due to 0-day vulnerability	Mar-17
Queries on latency problems with DNS anycast operator	Dec-16
Security warning regarding large volumes of Cutwail Traffic	Nov-16
Alert: several members reporting large DNS traffic spikes	Nov-16
Security warning for a ccTLD that was hacked	Aug-16
...	

- Disaster Recovery / BCP Workshop @ ICANN63 Barcelona
- DDoS Mitigation Workshop @ICANN58 Copenhagen

# TLD-OPS Operations Since ICANN64

- Security alerts
  - Two notifications
- Membership updates - Kim
  - Joined: 1 new
    - .SX added
  - Contact updates: 8 updates

# TLD-OPS all over the world

ASCII 173 (+1 / 71%) & IDN: 29 (63%)

5 (100%)

65 (100%)

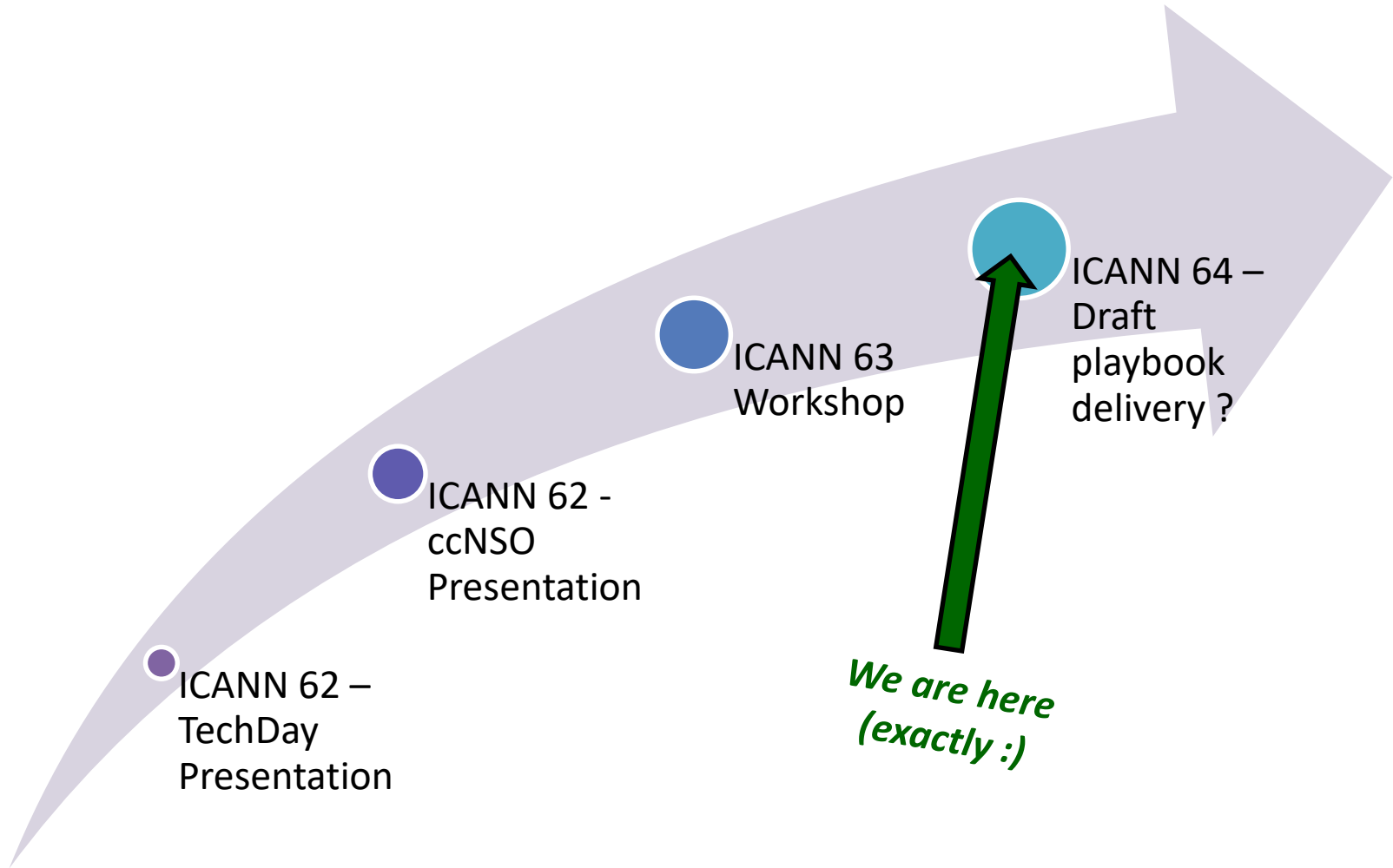
51 (62%)

27 (53%)

25 (+1 / 60%)

Total: 202 (+1 / 69%)

# Disaster Recovery Workshop Update



# DR/BCP - Drafting Team Status Report

- TLD Ops Document Drafting Face to face meeting on Sunday
- Agreed on Playbook Goals
  - How to bring DR, BCP, BIA discipline to a 1 or 2 person ccTLD
  - Focus only on ccTLD relevant activities
  - Simple templates for top 5 major DR/BCP scenarios
  - Simple event/initiation process
- The TLD-OPS Standing Committee assessment is we're making good progress and have a good level of collaboration 😊
- Need to define leads (volunteers / TLD-OPS) to ensure momentum
  - Dirk Jumpertz, EU, unanimously approved as our fearless leader ;-)



# Objectives for ICANN64 / ICANN65

- **Objectives for ICANN64**

- Develop sufficient content for the Drafting team workshop
- DR/BCP Drafting Team Workshop at Kobe – Block 5
- Increase membership by 3 to 203 (not achieved, added 1)

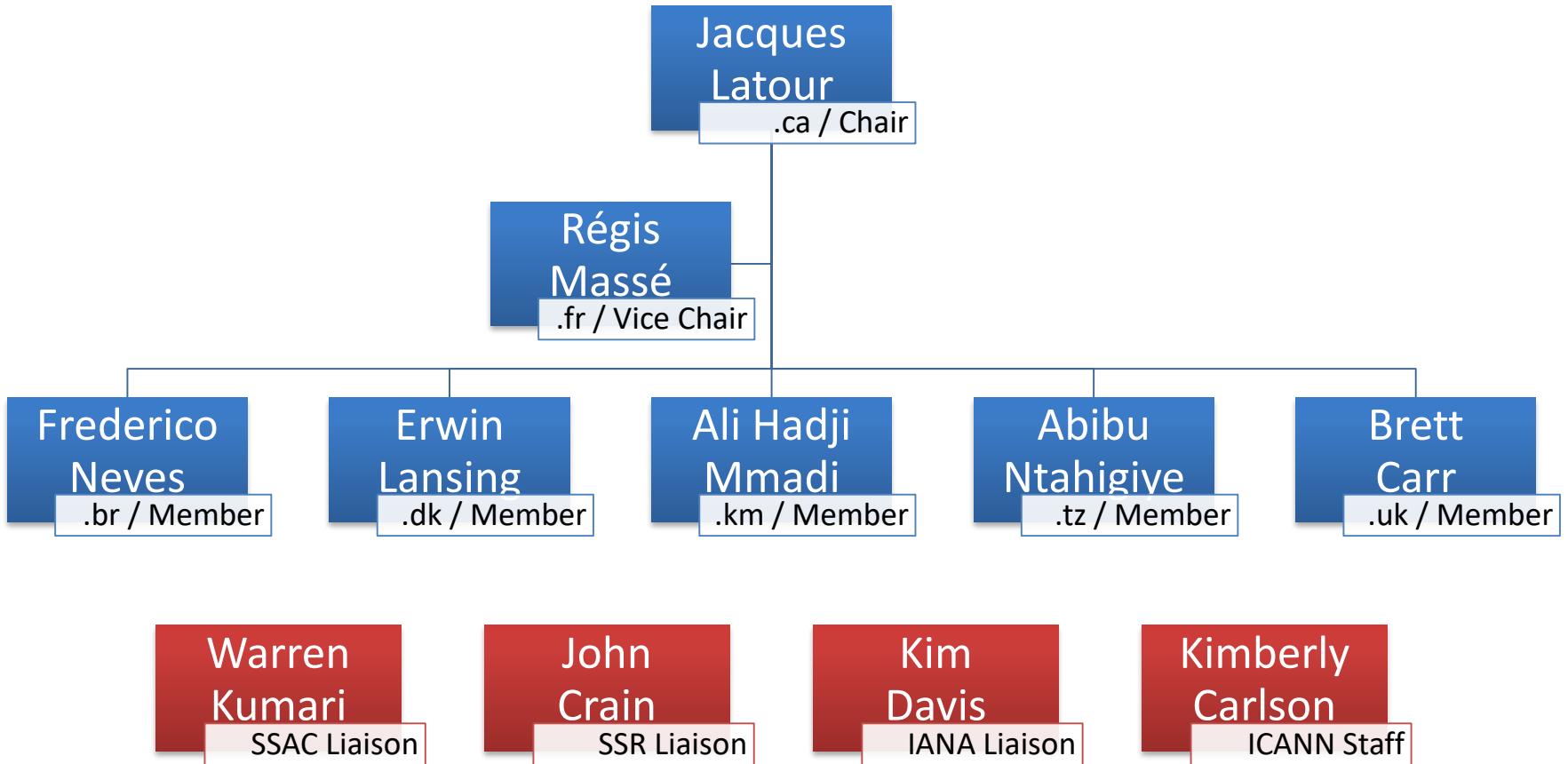
- **Objectives for ICANN65**

- Ensure coherence between web site and contact repository
- First Draft of DR/BCP Playbook
- Increase membership by 3 to 204

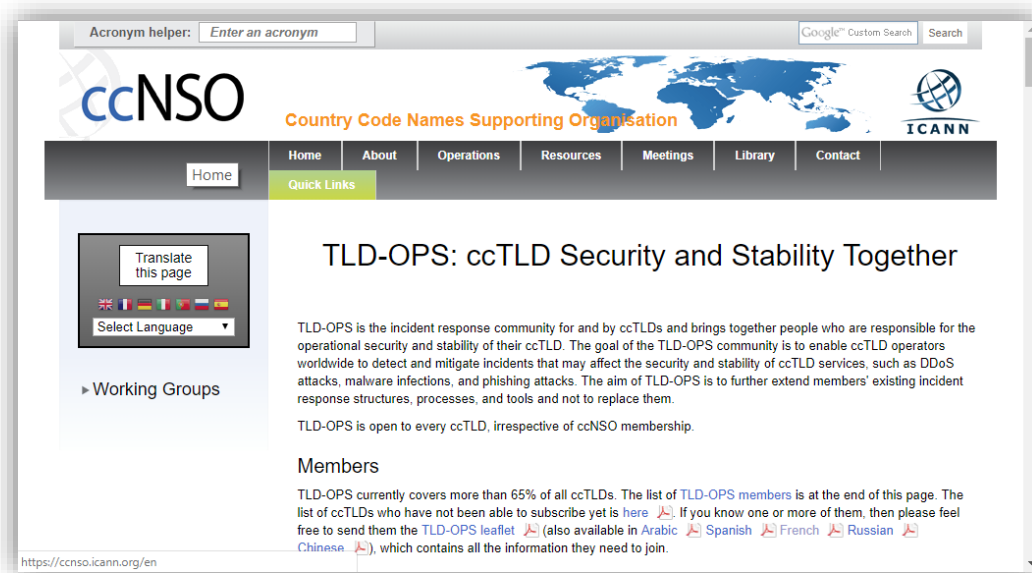
# It's time to join the TLD-OPS community



# TLD-OPS Standing Committee



# Ressources & Contacts



<http://ccnso.icann.org/resources/tld-ops-secure-communication.htm>

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TLD-OPS Standing Committee





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**Thank you!**

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