ccTLD Security and Stability Together

TLD-OPS Update
ccNSO Meeting

June 25, 2019

ICANN65, Marrakech

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

ccNSO

Ahhh!! Not another boring TLD-OPS update!

- What can I do:
  A. Run away
  B. Sleep
  C. Daydream
  D. Play solitaire

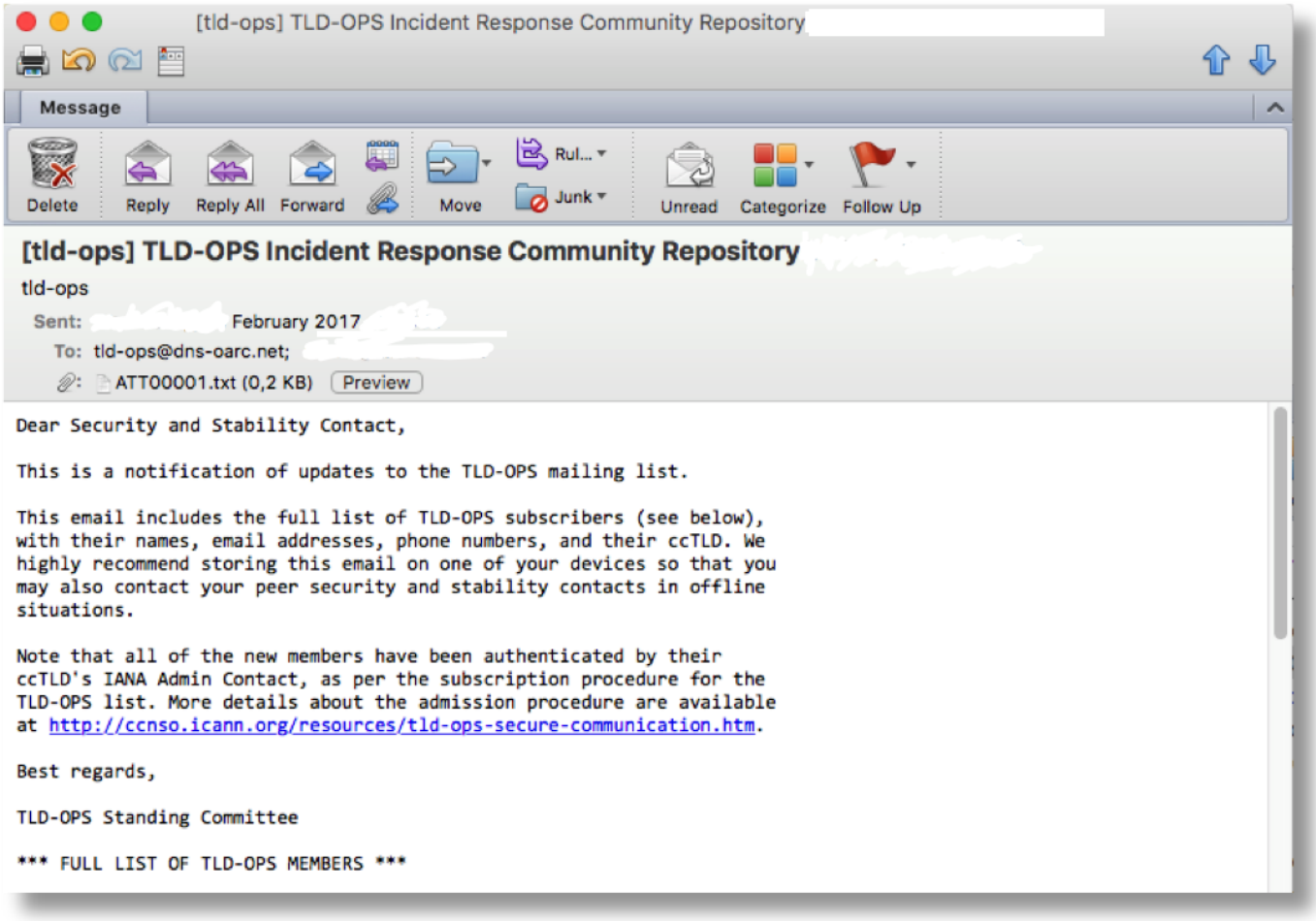
E. Read emails

TLD-OPS introduction

Raise your hand if you don't know what TLD-OPS is!

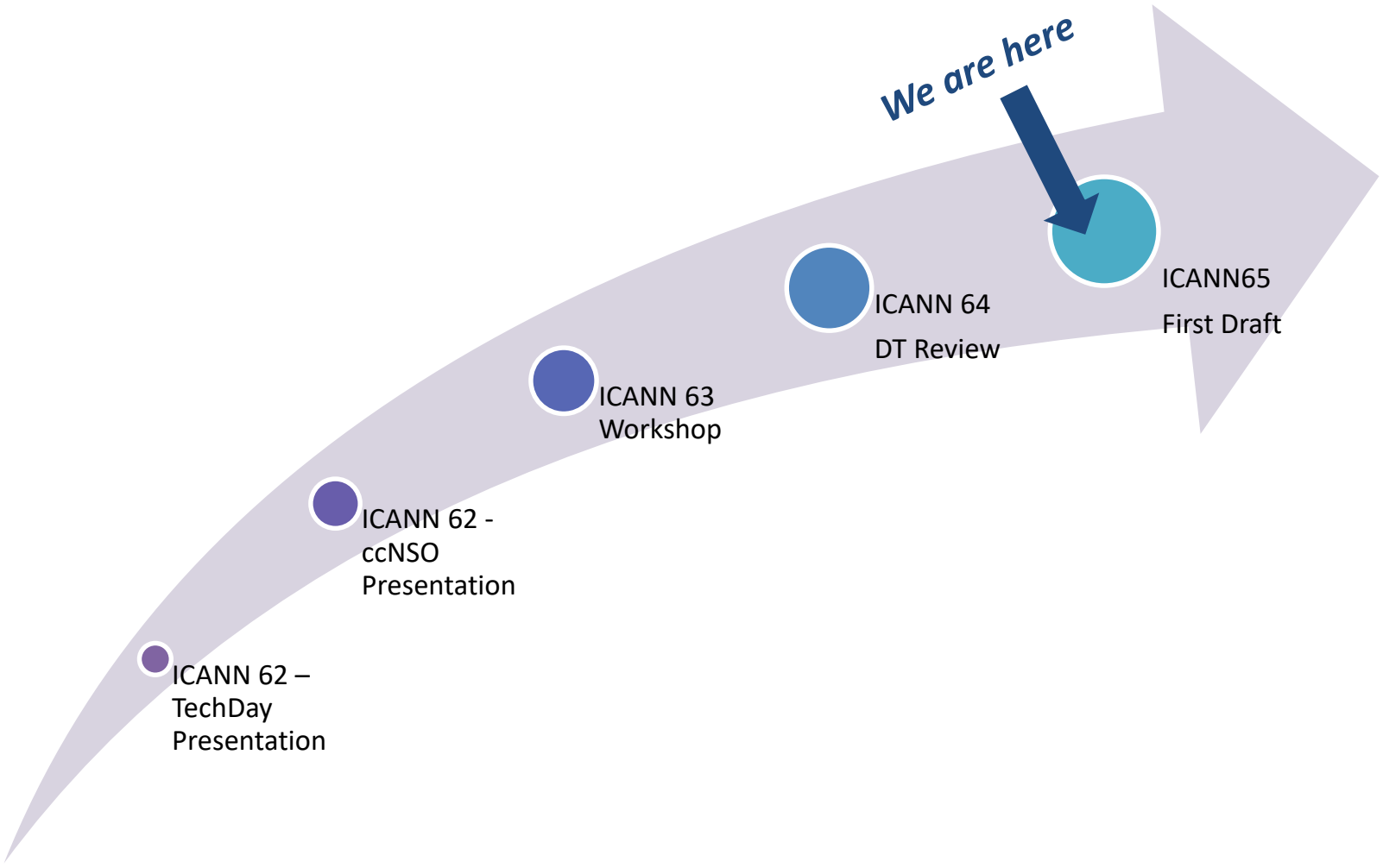
- Global technical incident response **community** *for and by ccTLDs*, open to *all* ccTLDs (ASCII and IDN)
- Brings together **380+ people** who are responsible for the operational security and stability of 200+ different ccTLDs
- Enable ccTLD operators to **collaboratively** detect and mitigate incidents that may affect the operational security and stability of ccTLD services and of the wider Internet
- All TLD-OPS Playbook will be **publicly available** on TLD-OPS website
- **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, john@oarc.net
"Jane Doe, #1, .vn, +84 123456789" jane.doe@nic.vn, jane@oarc.net

Disaster Recovery Workshop Update



DR/BCP - Drafting Team Status Report

- Dirk Jumpertz, .EU, unanimously approved as DR/BCP Drafting Team fearless leader :-)
- TLD-OPS SC and DT meeting this Thursday to review first draft
- Agreed on Playbook Goals
  - How to bring DR, BCP, BIA discipline to a small ccTLD
  - Focus only on ccTLD relevant activities
  - Simple templates for top 5 major DR/BCP scenarios
  - Template usable as is for a table top exercise
- The TLD-OPS Standing Committee assessment is we're making really good progress ☺

Next Steps: Thinking of having a DR/BCP Table Top / Simulation Workshop @ ICANN66 Montreal

- Simulate a registry compromise
- Test the DR/BCP Playbook against the scenario
- Update the DR/BCP Playbook against the gaps, observations and lessons learned
- **Closed to TLD-OPS Members only?**

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

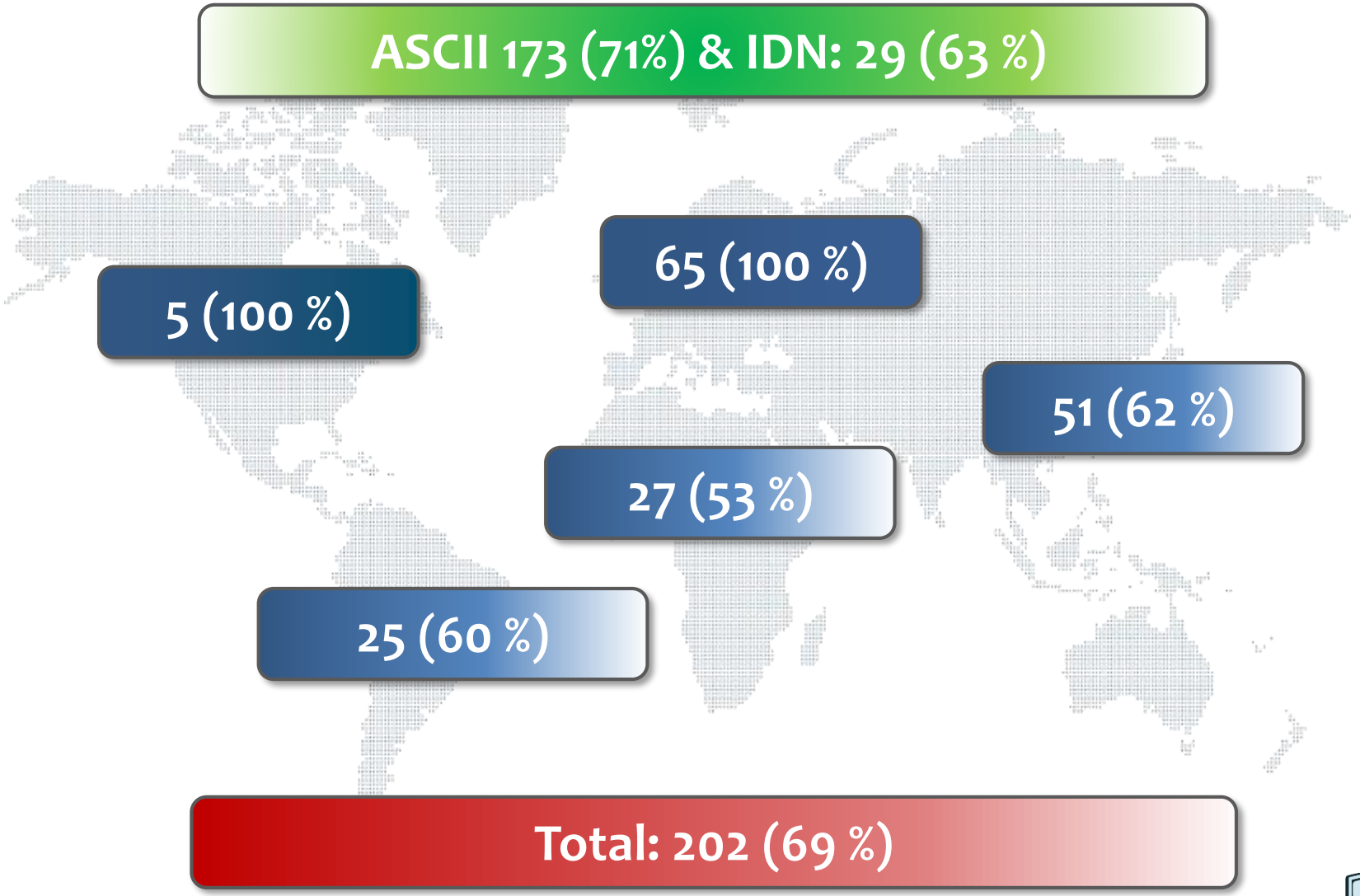
- Security alerts
  - none

- Membership updates
  - ccTLD Added: none
  - Contact updates: 5 updates

Objectives for ICANN65 / ICANN66

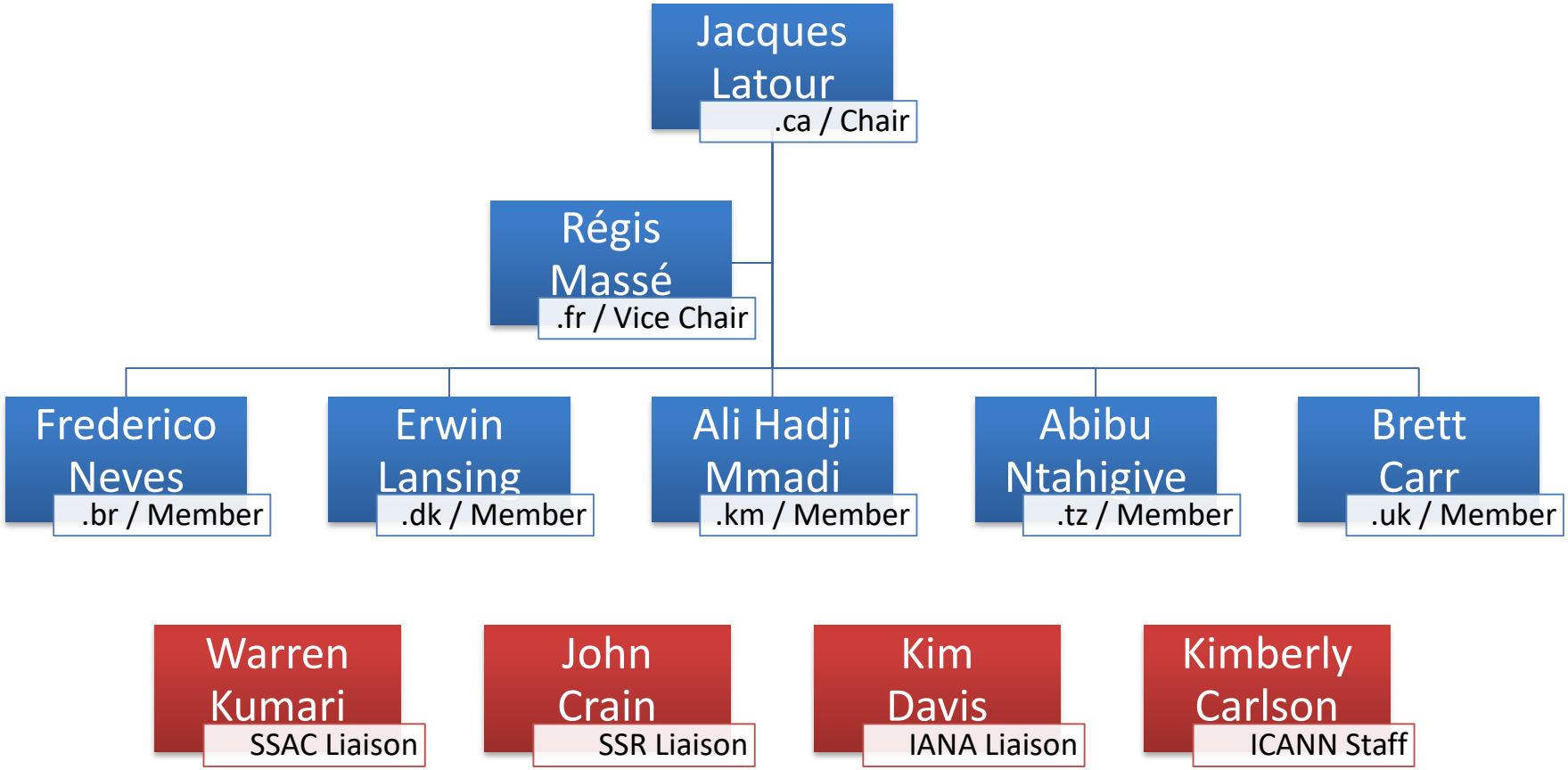
- **Objectives for ICANN65**
  - Ensure coherence between web site and contact repository
  - First Draft of DR/BCP Playbook
- **Objectives for ICANN66**
  - TLD-OPS Workshop: DR/BCP Tabletop simulation exercise (Registry compromise)

TLD-OPS all over the world

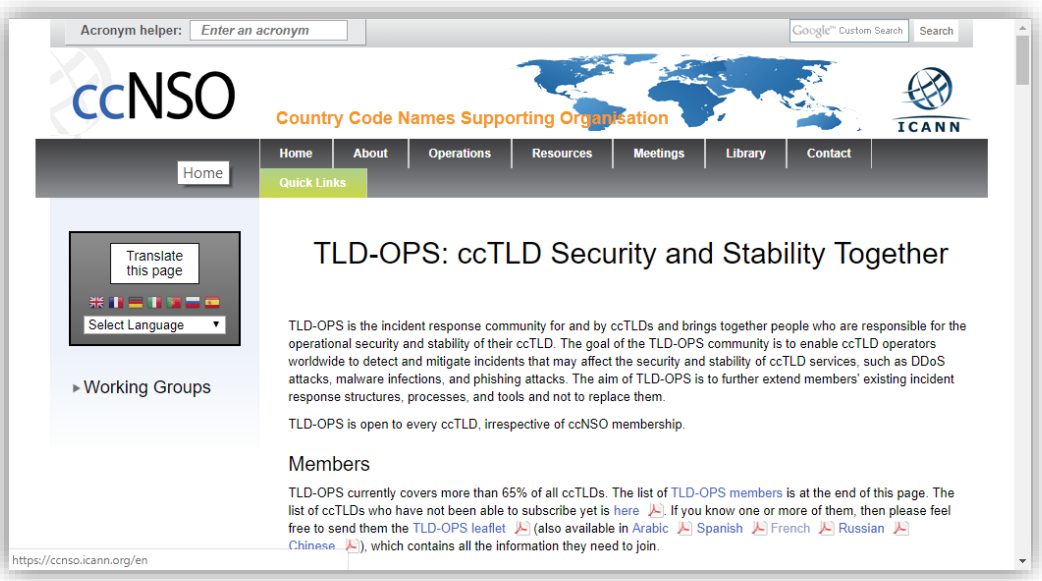


It's time to join the TLD-OPS community

TLD-OPS Standing Committee



Ressources & Contacts



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

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ccTLD Security and Stability Togheter

TLD-OPS Standing Committee

Thank you!