



TLD-OPS

ccTLD Security and Stability Together

TechDay – ICANN 62

June 25, 2018

TLD-OPS, what is it ?

- Global technical incident response community *for and by* ccTLDs, open to *all* ccTLDs.
- Brings together 345+ people who are responsible for the operational security and stability of 193 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)

Together, we are stronger

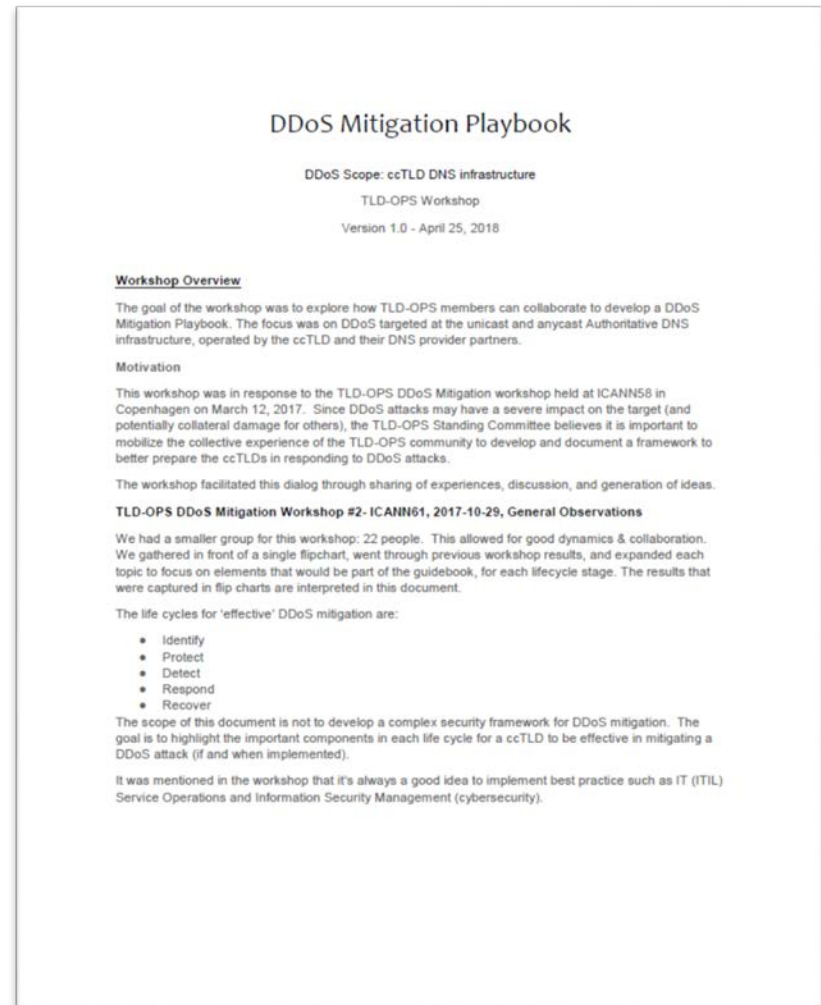
- Open and global incident response community for and by ccTLDs
- Builds on standard mailing list (192 ccTLDs, 345+ subscribers, 99 ccTLDs missing)
- Enhances local incident response facilities, not a replacement
- Increases everyone's reachability and security awareness
 - Everyone has everyone else's contact info in their inbox, even offline
 - Exchange security alerts and queries (DDoS attacks, phishing, etc.)
 - Learn from each other
- Easy to join (through IANA Admin Contact)

Together, we create value for the community



A first delivery : the DDoS Mitigation Playbook

- The goal of the first workshop was to explore how TLD-OPS members can collaborate to detect and mitigate DDOS attack
- Two sessions took place during ICANN Meetings 58 and 60 to share experiences, discussions and generation of ideas.
- The topic has approached from multiple perspectives, such as technical, operational, compliance and strategic.



What's next?

Natural Disasters – DR/BCP Readiness

- Expand to general Disaster Recovery and Business Continuity Planning
 - Request from community following natural disasters
 - BCP is many things to many people
 - Where to start?
 - Where to focus?
 - Past Experience?
- Technical continuity plans for the DNS, Registry and corporate systems
- The Business part focuses on plans, initiation, testing, critical even, communications, simulation

Focus for the TLD-OPS community

DNS resolution
infrastructure

Registry system
(SRS, RDDS,
Data Escrow ...)

IT
infrastructure:
network,
storage,
servers,
softwares

Emergency
communication
tools

Feedback from the community

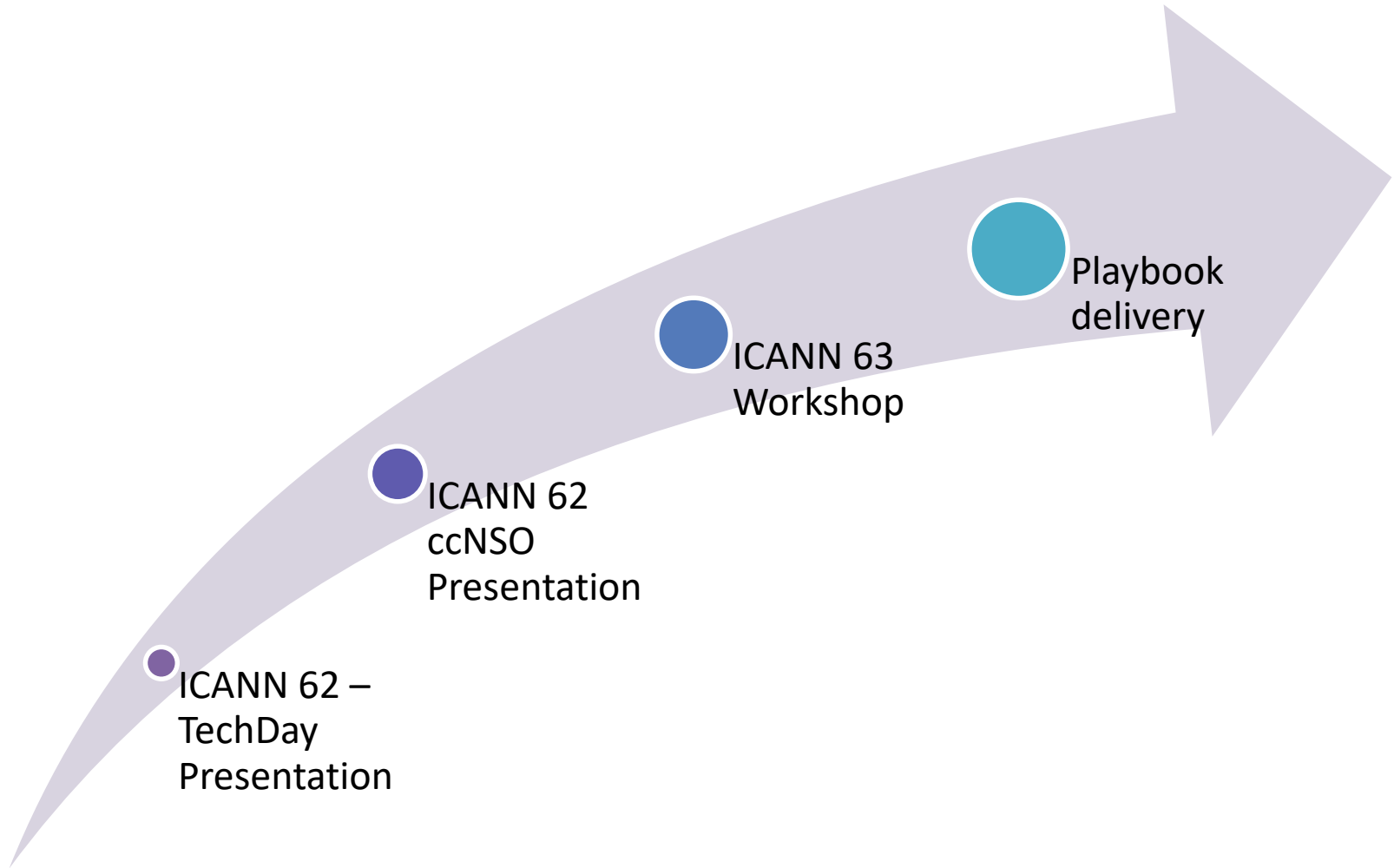
What does the community needs ? A playbook with advises, a synthesis of feedbacks ...

Past experience from the ccTLDs

Different type of actions depending on the geographical area

Presentation of different types of technical continuity plans

Tentative action plan



Q&A

TLD-OPS Standing Committee

Frederico Neves, .br

Jacques Latour, .ca (chair)

Erwin Lansing, .dk

Régis Massé, .fr

Ali Hadji Mmadi, .km

Abibu Ntahigiye, .tz

Brett Carr, .uk

Warren Kumari (SSAC contact)

John Crain (ICANN's security team contact)

Kim Davies (IANA contact)

ICANN Staff

Kim Carlson

TLD-OPS Home

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

TLD-OPS Leaflet

<https://ccnso.icann.org/en/workinggroups/tld-ops-enhanced-incident-response-capabilities-cctlds-27nov17-en.pdf>

Arabic, Chinese, French, Russian, Spanish

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