SECIR WG: Status Update
Secure Email Communication for ccTLD Incident Response

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ccNSO meeting @ ICANN51

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WG Objectives

• Implement version 1.0 of the SECIR services: contact repository and secure messaging service

• Email as main communications channel to keep development and operational costs near zero (as per the survey of the CRI WG, Dec 2013)

• SECIR services must be able to interwork with (future) similar services of regional organizations, such as CENTR and LACTLD

• Work is part of the ccNSO, but the two SECIR services explicitly target the wider ccTLD community, including non-ccNSO members
SECIR Overall Concept

SECIR Contact Repository Service

- Validators (trusted ccTLD members)
- ccTLD Manager (or delegate)
- Global Contact Repository
- add(ScCs)
- authenticate

SECIR Secure Messaging Service

- “all ccTLDs” session (static)
- Hierarchical, peer-to-peer, semi-open, etc.
- Local or remote incident
- Sender
- create

- Security and Stability Contact (SSC)
- Session subscription policy

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Interaction with Regional Organizations

SECIR Global Contact Repository

Regional Contact Repository

Incident info (SSC-B)

Incident

no synch

SSC-A

add (SSCs)

Synch by ccTLD Manager (or delegate)

add (SSCs)

SECIR Global Messaging Service

Regional Messaging Service

Message G

Message R

Incident

Sending SSC

Message G

Message G

XOR

Message G

Receiving SSCs

Message G

XOR

Message R
Technical Implementation

• SECIR requirements closely align with the OPS-TRUST framework
  – Secure contact repository
  – Secure email system

• OPS-TRUST is in process of being open sourced and potentially available to DNS-OARC

• Obtained approval from DNS-OARC board (during AGM, Sat Oct 11) to operate, customize, administer the Ops-Trust platform on behalf of SECIR working group

• Next steps:
  – SECIR working group to provide requirements to DNS-OARC
  – DNS-OARC to provide work/cost estimate to SECIR and timeframe
Proposal Feedback

- Question 1: Are you in favor of the proposed SECIR model?

- Question 2: Are you in favor of the SECIR working group to continue with DNS-OARC as operator of the OPS-TRUST platform?

- Please use your voting cards
  - Green: YES
  - Orange: Dunno ;-) 
  - Red: NO
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WG documents
http://ccnso.icann.org/workinggroups/secir.htm