TLD-OPS Standing Committee
ccNSO Update

November 6, 2016
ICANN57, Hyderabad

Cristian Hesselman, .nl (chair)
TLD-OPS

• Technical incident response community *for and by* ccTLDs

• Folks responsible for the overall security and stability of their ccTLD

• Goal: facilitate further increased level of security and stability of ccTLDs’ services and of the Internet as a whole

• Approach: increase (i) reachability of ccTLD incident response contacts and (ii) level of shared knowledge on security alerts

• Open to *every* ccTLD, irrespective of ccNSO membership

• Guidance by TLD-OPS Standing Committee
  – ccTLD reps and Liaisons (SSAC, IANA, ICANN’s security team)
TLD-OPS Mailing List

- **Contact repository**
  - Monthly email with incident response contact info of all member ccTLDs
  - Names, phone numbers, email addresses (no role-based accounts)
  - Readily available through inbox, even offline
  - Low entrance barrier through IANA admin contact as “trust anchor”

- **Hub for exchanging security alerts**
  - Such as on DDoS attacks, phishing, software vulnerabilities, malware
  - Flag alerts (red, amber, green, white) to signal disclosure level
  - **Trusted community of peers**

- **Check our leaflet for details**
  - Arabic, Chinese, English, French, Russian, Spanish, and Russian
  - [http://ccnso.icann.org/resources/tld-ops-secure-communication.htm](http://ccnso.icann.org/resources/tld-ops-secure-communication.htm)
## TLD-OPS Membership Stats

<table>
<thead>
<tr>
<th></th>
<th>Members</th>
<th>%</th>
<th>Missing</th>
<th>%</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td><strong>185</strong></td>
<td><strong>64%</strong></td>
<td><strong>105</strong></td>
<td><strong>36%</strong></td>
<td><strong>290</strong></td>
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### ASCII Members

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<th>Members</th>
<th>%</th>
<th>Missing</th>
<th>%</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td><strong>156</strong></td>
<td><strong>64%</strong></td>
<td><strong>88</strong></td>
<td><strong>36%</strong></td>
<td><strong>244</strong></td>
</tr>
<tr>
<td>AF</td>
<td>23</td>
<td><strong>46%</strong></td>
<td>27</td>
<td><strong>54%</strong></td>
<td>50</td>
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<tr>
<td>AP</td>
<td>47</td>
<td><strong>57%</strong></td>
<td>35</td>
<td><strong>43%</strong></td>
<td>82</td>
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<tr>
<td>EU</td>
<td>65</td>
<td><strong>100%</strong></td>
<td>0</td>
<td><strong>0%</strong></td>
<td>65</td>
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<tr>
<td>LAC</td>
<td>17</td>
<td><strong>40%</strong></td>
<td>25</td>
<td><strong>60%</strong></td>
<td>42</td>
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<tr>
<td>NA</td>
<td>4</td>
<td><strong>80%</strong></td>
<td>1</td>
<td><strong>20%</strong></td>
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### IDN Members

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<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total</strong></td>
<td><strong>29</strong></td>
<td><strong>63%</strong></td>
<td><strong>17</strong></td>
<td><strong>37%</strong></td>
<td><strong>46</strong></td>
</tr>
</tbody>
</table>

Last update: August 15, 2016
Progress Since ICANN56

• Three security alerts
  – Helped one ccTLD with problems with their DNS anycast service
  – Security warning for a ccTLD that got hacked

• New members
  – .ax (Åland Islands)
  – .tt (Trinidad and Tobago)
  – .bn (Brunei)
  – .fj (Fiji)
  – .pr (Puerto Rico)
  – .ki (Kiribati)
  – .la (Laos)
  – Updated contact info of 3 members

• TLD-OPS newsletter (September)
Objectives ICANN57

- Increase the number of ASCII ccTLDs members by 5% to 187 through various outreach activities
- Get the list to be used more often through our collaboration with ICANN’s security team (package and share security alerts)
- Draft TLD-OPS terms of use
Objectives ICANN58

• Increase the number of ASCII ccTLDs members by 5% to 194 through webinars for LAC and AF and possibly AP regions

• Organize a TLD-OPS workshop at ICANN58 to discuss how ccTLDs collaboratively detect and mitigate DDoS attacks
Q&A

TLD-OPS Members
Frederico Neves, .br
Jacques Latour, .ca
Erwin Lansing, .dk
Ali Hadji Mmadi, .km
Cristian Hesselman, .nl (chair)
Jay Daley, .nz
Abibu Ntahigiye, .tz
Warren Kumari (Liaison to SSAC)
John Crain (Liaison to ICANN’s security team)
Kim Davies (Liaison to IANA)

ICANN Staff
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TLD-OPS Home
http://ccnso.icann.org/resources/tld-ops-secure-communication.htm

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TLD-OPS Standing Committee