Program Committee

• Steve Crocker, Shinkuro, Inc.
• Mark Elkins, DNS/ZACR
• Cath Goulding, Nominet
• Jean Robert Hountomey, AfricaCERT
• Jacques Latour, CIRA
• Xiaodong Lee, CNNIC
• Luciano Minuchin, NIC.AR
• Russ Mundy, SPARTA, A Parsons Company
• Ondřej Surý, CZNIC
• Yoshiro Yoneya, JPRS
• Dan York, Internet Society
• Julie Hedlund, ICANN
DNSSEC Workshop Luncheon

Sponsors:

• Afilias
• CIRA
• Dyn
• Microsoft
• .SE
• SIDN

NOTE: We are seeking 2015 sponsors!
DNSSEC Implementer’s Gathering Sponsors

The Program Committee held a DNSSEC Implementers Gathering on 13 October, sponsored by:

- Comcast
- NBC/Universal
- Motion Picture Association of America (MPAA)
DNSSEC Workshop Support

The DNSSEC Workshop and associated activities at ICANN are an organized activity of the:

• ICANN Security and Stability Advisory Committee (SSAC)

with additional assistance from the:

• Internet Society Deploy360 Programme
Program

Key to Level of Difficulty:

**NOVICE** = New to DNSSEC and want to learn more

**INTERMEDIATE** = Familiar with DNSSEC and how it works, but not of all concepts

**EXPERT** = Expert understanding of DNSSEC and extensive experience in deployment/implementation

<table>
<thead>
<tr>
<th>Time</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0830-0900</td>
<td>Presentation: Dan York, Internet Society: <em>DNSSEC Workshop Introduction, Deployment Around the World</em></td>
</tr>
<tr>
<td>0900-1000</td>
<td>Panel Discussion: DNSSEC Activities in North America</td>
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<tr>
<td>1000-1100</td>
<td>Panel Discussion: Impact of Root Key Rollover</td>
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<tr>
<td>1100-1115</td>
<td>Break</td>
</tr>
<tr>
<td>1115-1200</td>
<td>Panel Discussion: DNSSEC Deployment in Operating Systems</td>
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<tr>
<td>1200-1300</td>
<td>Lunch Break</td>
</tr>
<tr>
<td>1300-1400</td>
<td>Panel Discussion: DNS/DNSSEC Monitoring</td>
</tr>
<tr>
<td>1400-1445</td>
<td>Panel Discussion: DANE and Email Services</td>
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<tr>
<td>1445</td>
<td>Dan York, Internet Society – <em>DNSSEC - How Can I Help?</em></td>
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</tbody>
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DNSSEC Deployment Around the World
Counts, Counts, Counts
October 2014
Dan York, Internet Society
DNSSEC Deployment Report

Sun Oct 12 23:33:55 UTC 2014
Total TLDs: 726 / Signed TLDs in root: 538 / Recently added: alsace.
(10/04/2014)

https://rick.eng.br/dnssecstat/
<table>
<thead>
<tr>
<th>Status</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Experimental</td>
<td>internal experiments</td>
</tr>
<tr>
<td>Announced</td>
<td>Public commitment to deploy</td>
</tr>
<tr>
<td>Partial</td>
<td>Zone is signed but not in operation</td>
</tr>
<tr>
<td>DS in Root</td>
<td></td>
</tr>
<tr>
<td>Operational</td>
<td>Accepting signed delegations</td>
</tr>
</tbody>
</table>
The TLDs – DS or Operational

Current

<table>
<thead>
<tr>
<th></th>
<th>gTLD</th>
<th>ccTLD</th>
<th>Regional</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Classic</td>
<td>398(408)</td>
<td>91(247)</td>
<td>2(2)</td>
<td>491(657)</td>
</tr>
<tr>
<td>IDN</td>
<td>35(35)</td>
<td>11(39)</td>
<td></td>
<td>46(74)</td>
</tr>
<tr>
<td>Total</td>
<td>433(443)</td>
<td>102(286)</td>
<td>2(2)</td>
<td>537(731)</td>
</tr>
</tbody>
</table>

- Measured: Oct 14, 2014
- Status: DS in the Root or Operational
- “Regional” TLDs are SU and EU
- Total (537) does not include signed root
ccTLD DNSSEC Adoption as of 2014-10-14

Experimental -- Internal experimentation announced or observed (11):

Announced -- Public commitment to deploy (11):

Partial -- Zone is signed but not in operation (no DS in root) (5):

DS in Root -- Zone is signed and its DS has been published (29):

Operational -- Accepting signed delegations and DS in root (62):

CI GA GY HK HT IQ IR MS MU RW TO DZ GH IE IL IT MX NO SG UY VN ZA AU HU LR MA VC AD AF AG AW BY BZ CN ES FO GI GL GN HR KE KG KK LA LB LC MM NC NU PE PW SJ TN TV UG AC AM AT BE BG BR CA CH CL CO CR CX CZ DE DK EE FI FR GR GS HN IN IO IS JP KR LI LK LT LU LV ME MN MY NA NF NL NZ PL PM PR PT RE RU SB SC SE SH SI SX TF TH TL TM TT TW TZ UA UK US WF YT
Updated status of:
GY, HT, MS, MX, UY
Updated status for:
AU, HK, IL, IQ, VN
EUR ccTLD DNSSEC Status on 2014-10-14

Croatia - .HN
Spain - .ES
July 2014
Updated: HU
DNSSEC Maps - Next Steps

With so many ccTLDs signed, next phase:

• Seeking to dive deeper into signed second-level domains
• Seeking to visualize DNSSEC status of generic TLDs (gTLDs) and number of signed second-level domains

Working to make code open source:

• https://github.com/Deploy360/dnssec-maps/issues
Receiving the DNSSEC Deployment Maps Via Email

The DNSSEC Deployment Maps are now published via email every Monday morning through the Internet Society Deploy360 Programme. To subscribe, visit:

www.internetsociety.org/deploy360/dnssec/maps/
The DNSSEC History Project is an ongoing project to collect and record the history of the work that went into bringing about the deployment of DNSSEC. To view - or to contribute - please see:

https://wiki.tools.isoc.org/DNSSEC_History_Project
Thank You and Questions

Dan York
york@isoc.org