

DNSSEC Workshop

Dan York, Internet Society | ICANN 52 | February 2015

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 and Kathy Schnitt, ICANN

Luncheon Sponsors

- Afilias
- CIRA
- Dyn
- .SE
- SIDN



DNSSEC Implementer's Gathering Sponsors

The Program Committee held a DNSSEC Implementers Gathering on 09 February sponsored by:

- Comcast
- NBCUniversal
- Motion Picture Association of America (MPAA)

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

0830-0845 – Presentation: Dan York, Internet Society – *DNSSEC Workshop Introduction, Program, Deployment Around the World – Counts, Counts, Counts*

0845-0945 – Panel Discussion: DNSSEC Activities in the Asia Pacific Region

0945-1015 – Panel Discussion: Celebrating 10 Years of DNSSEC Workshops – Past, Present, and Future

1015-1030 – Break

1030-1100 – Presentation: Reverse DNS and DNSSEC in Japan

1100-1130 – Presentation: *Changing your DNS Management for DNSSEC*

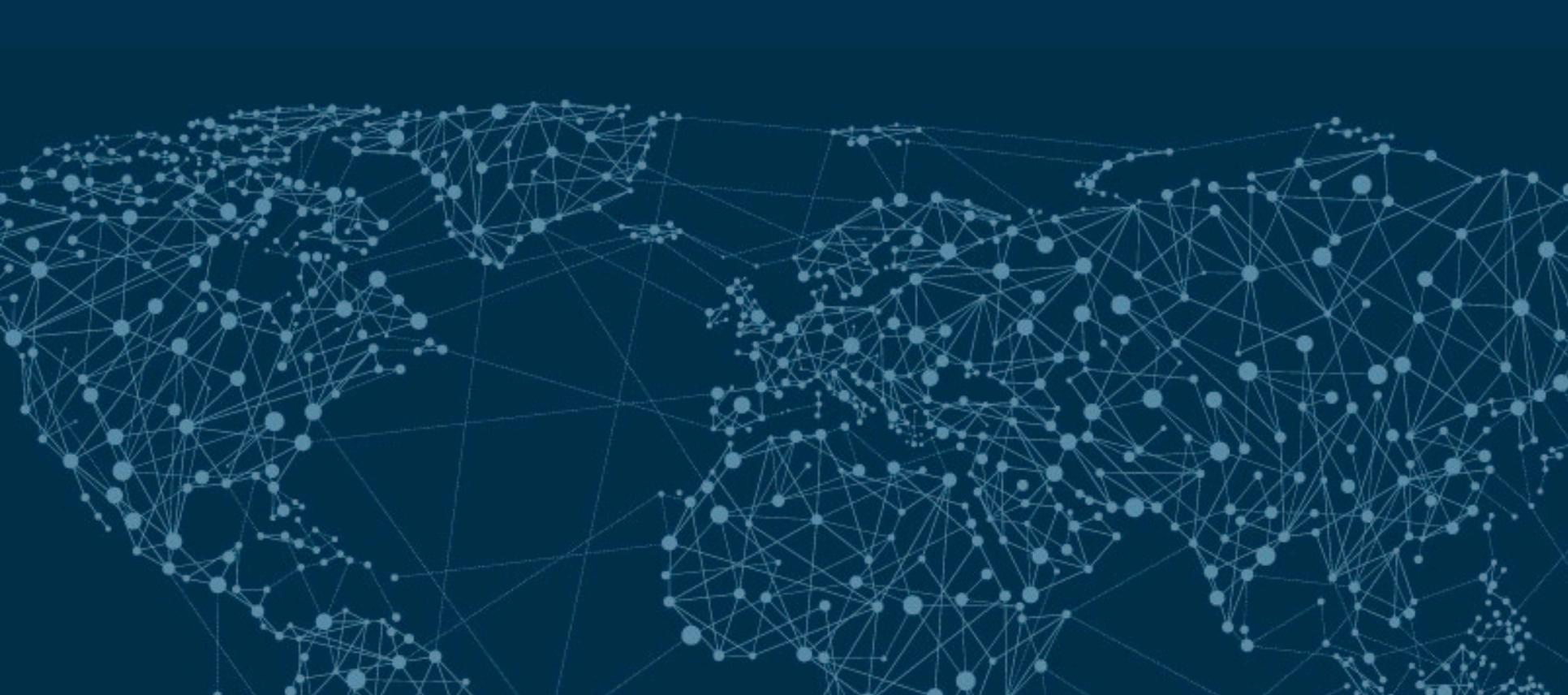
1130-1200 – Presentation: *DANE and Application Uses of DNSSEC*

1200-1300 – Lunch Break

1300-1415 – Panel Discussion: DNSSEC and DNS Operators

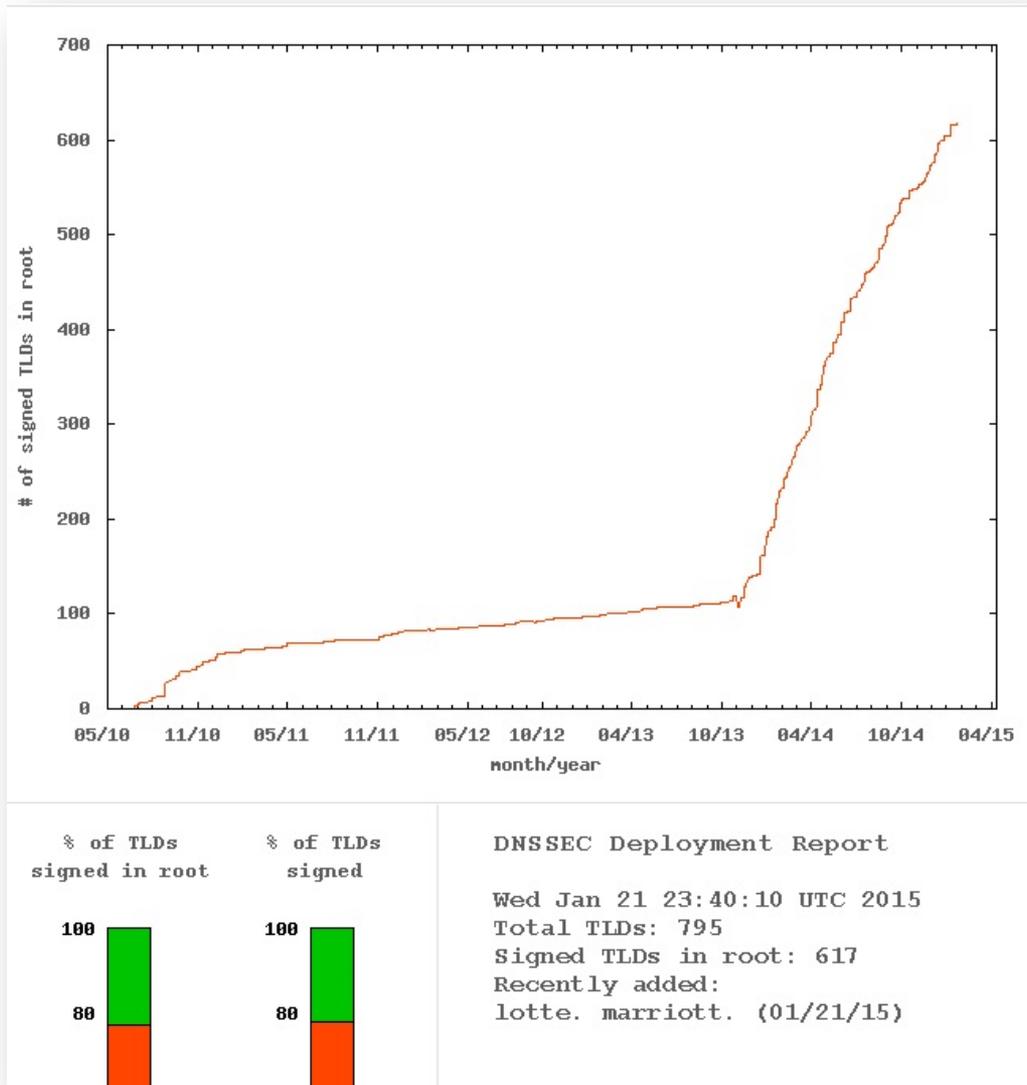
1415-1445 – Presentation: *Have a Strategy in Place for Unexpected DNSSEC Events*

1445 – Russ Mundy, Sparta/Parsons and Dan York, Internet Society – *DNSSEC - How Can I Help?*



DNSSEC Deployment Around the World: Counts, Counts, Counts

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<https://rick.eng.br/dnssecstat/>

The TLDs – DS or Operational

Current

	gTLD	ccTLD	Regional	Total
Classic	480(490)	97(247)	2(2)	579(739)
IDN	41(41)	17(39)		58(80)
Total	521(531)	114(286)	2(2)	637(819)

- Measured: Feb 6, 2015
- Status: DS in the Root or Operational
- “Regional” TLDs are SU and EU
- Total (637) does not include signed root

TLD DNSSEC Implementation Status

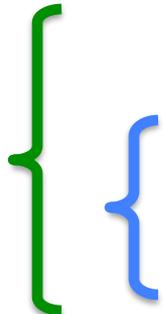
Experimental – internal experiments

Announced – Public commitment to deploy

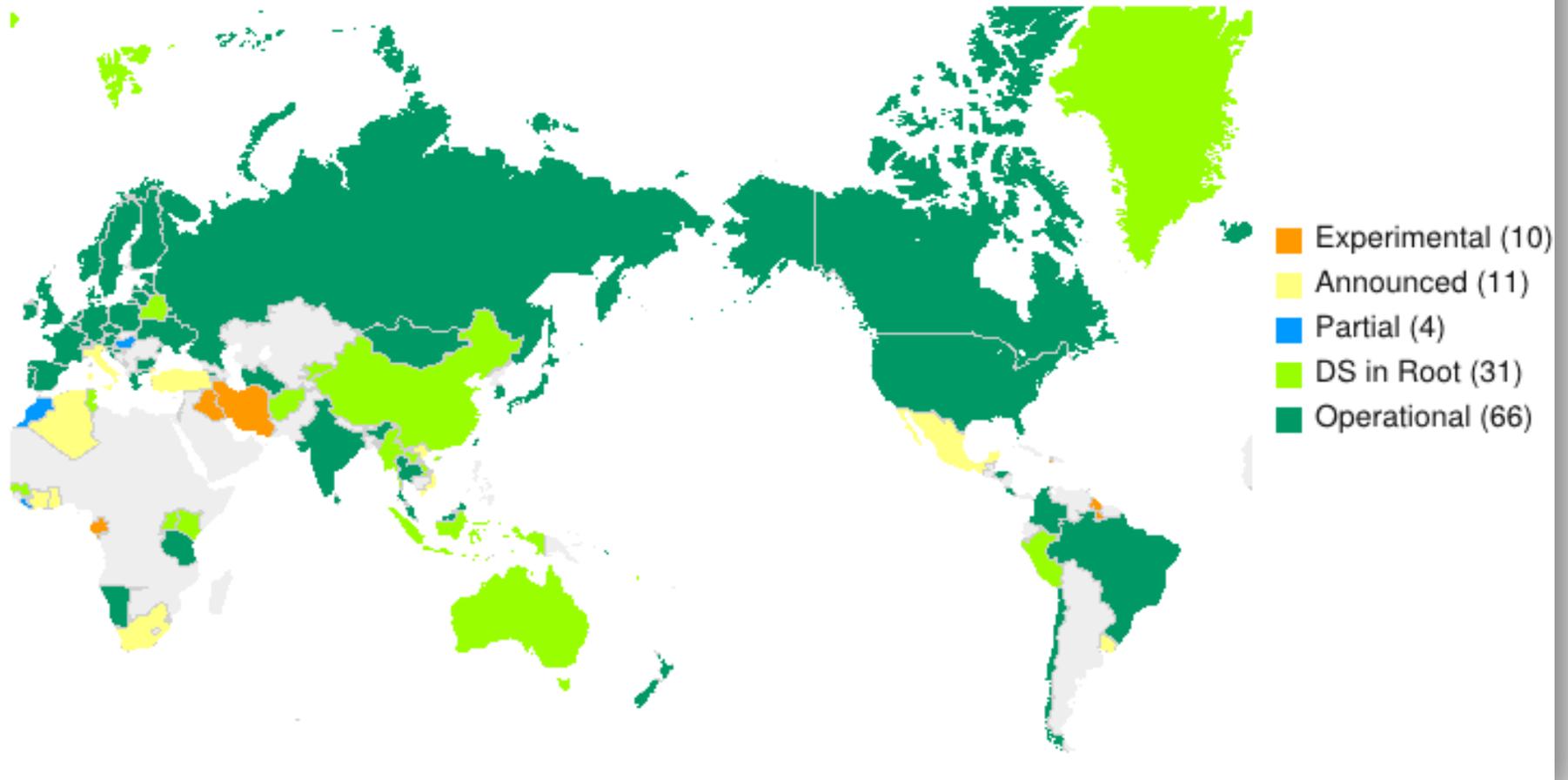
Partial – Zone is signed but not in operation

DS in Root

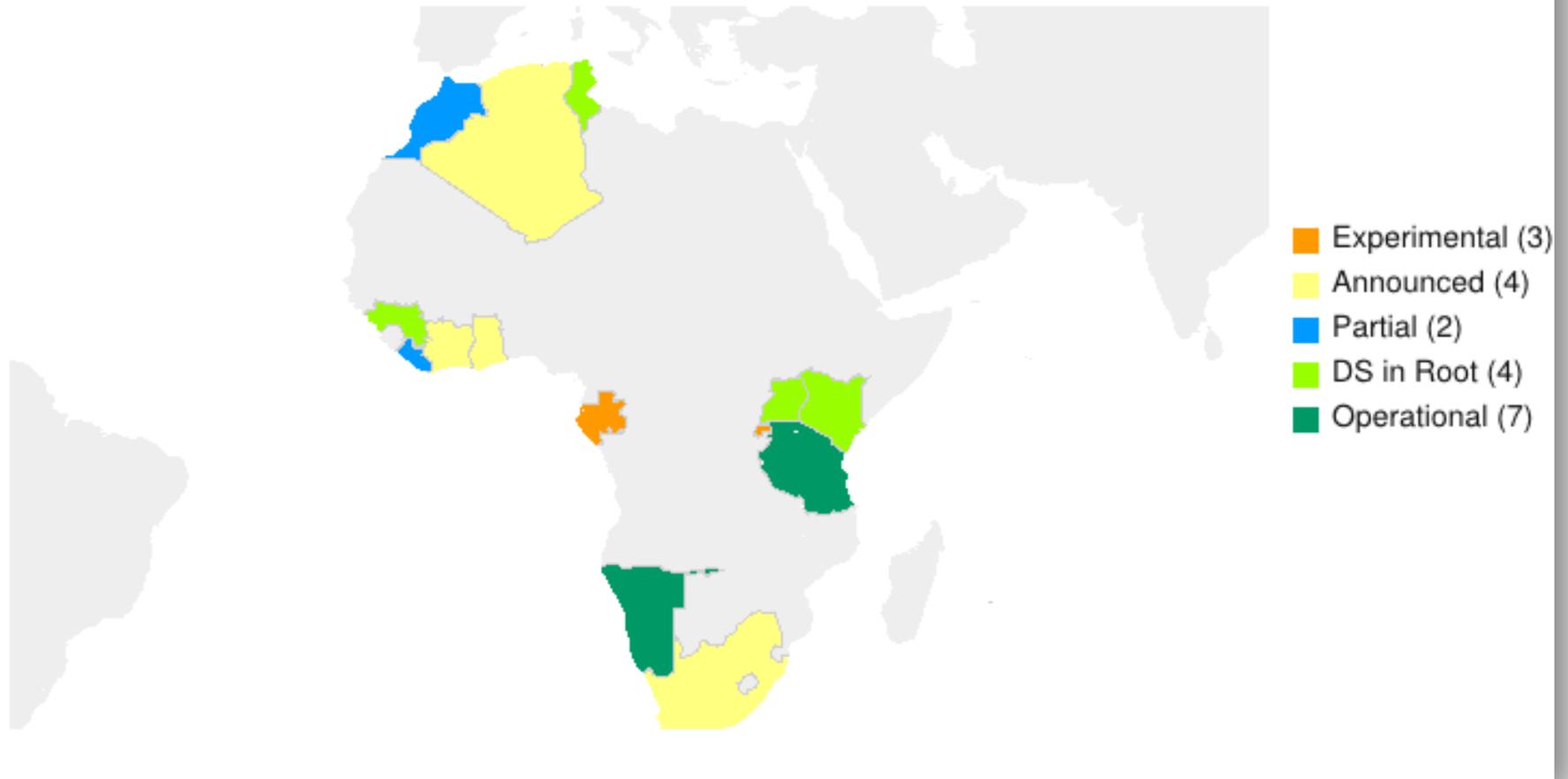
Operational – Accepting signed delegations



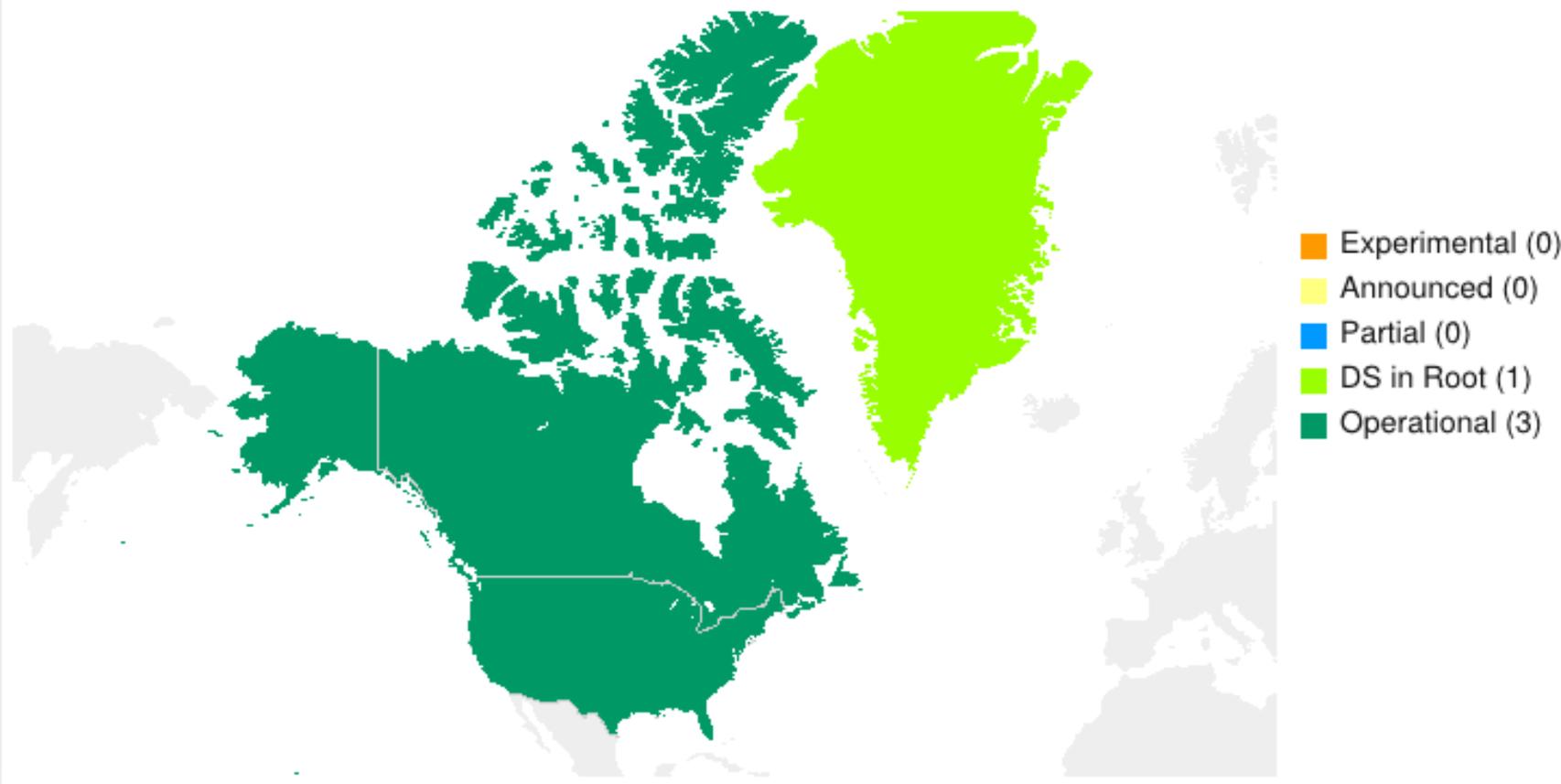
ccTLD DNSSEC Status on 2015-02-06



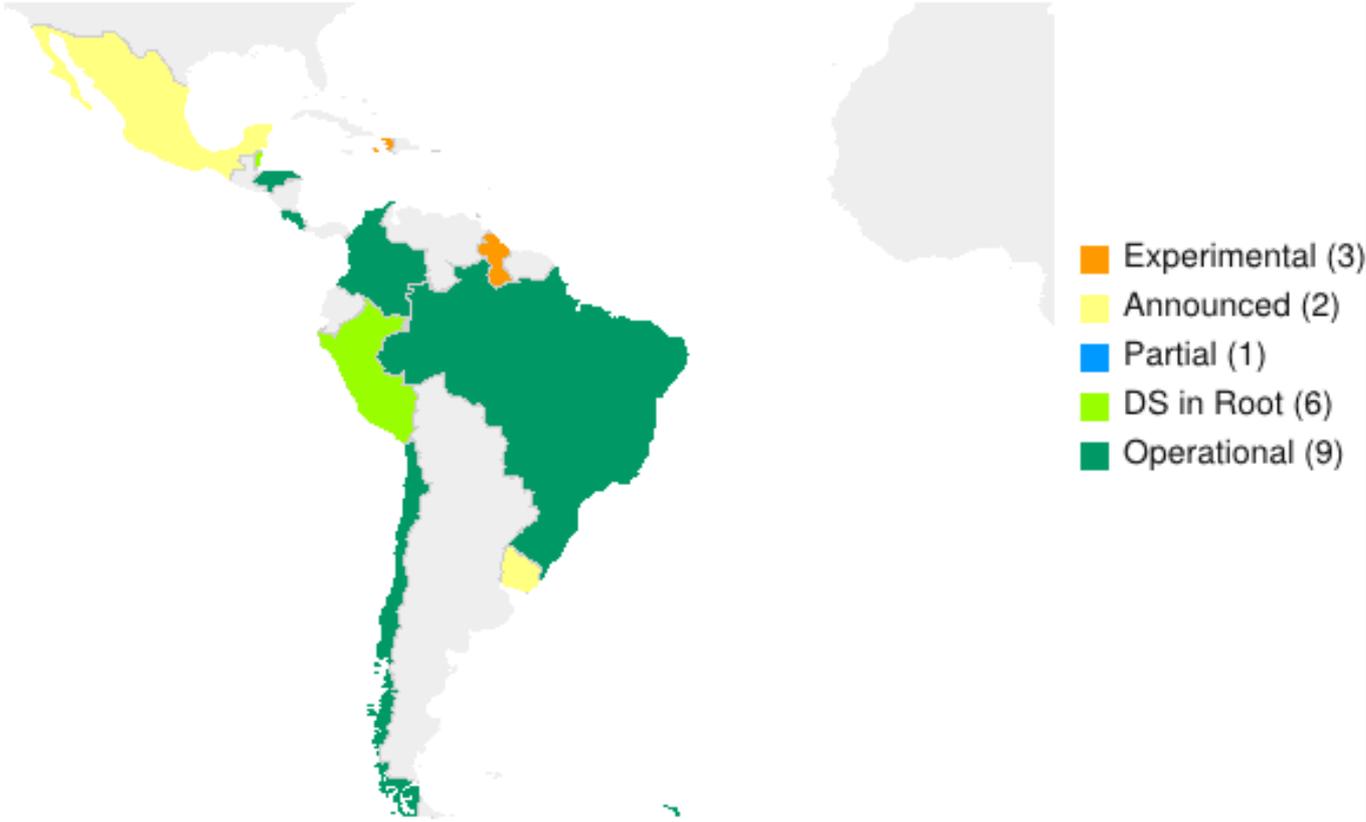
AF ccTLD DNSSEC Status on 2015-02-06



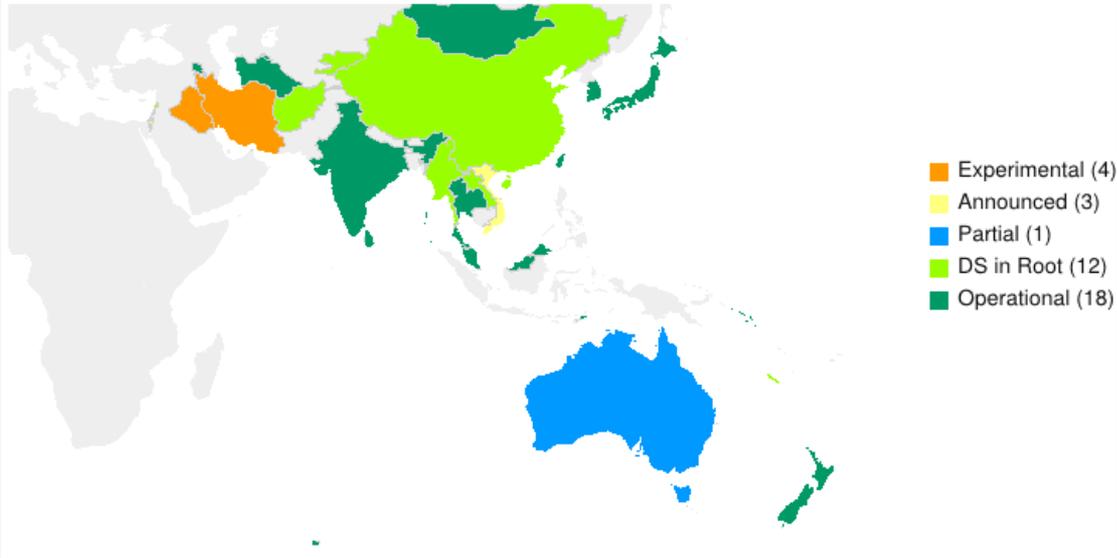
NA ccTLD DNSSEC Status on 2015-02-06



LAC ccTLD DNSSEC Status on 2015-02-06



AP ccTLD DNSSEC Status on 2014-10-14



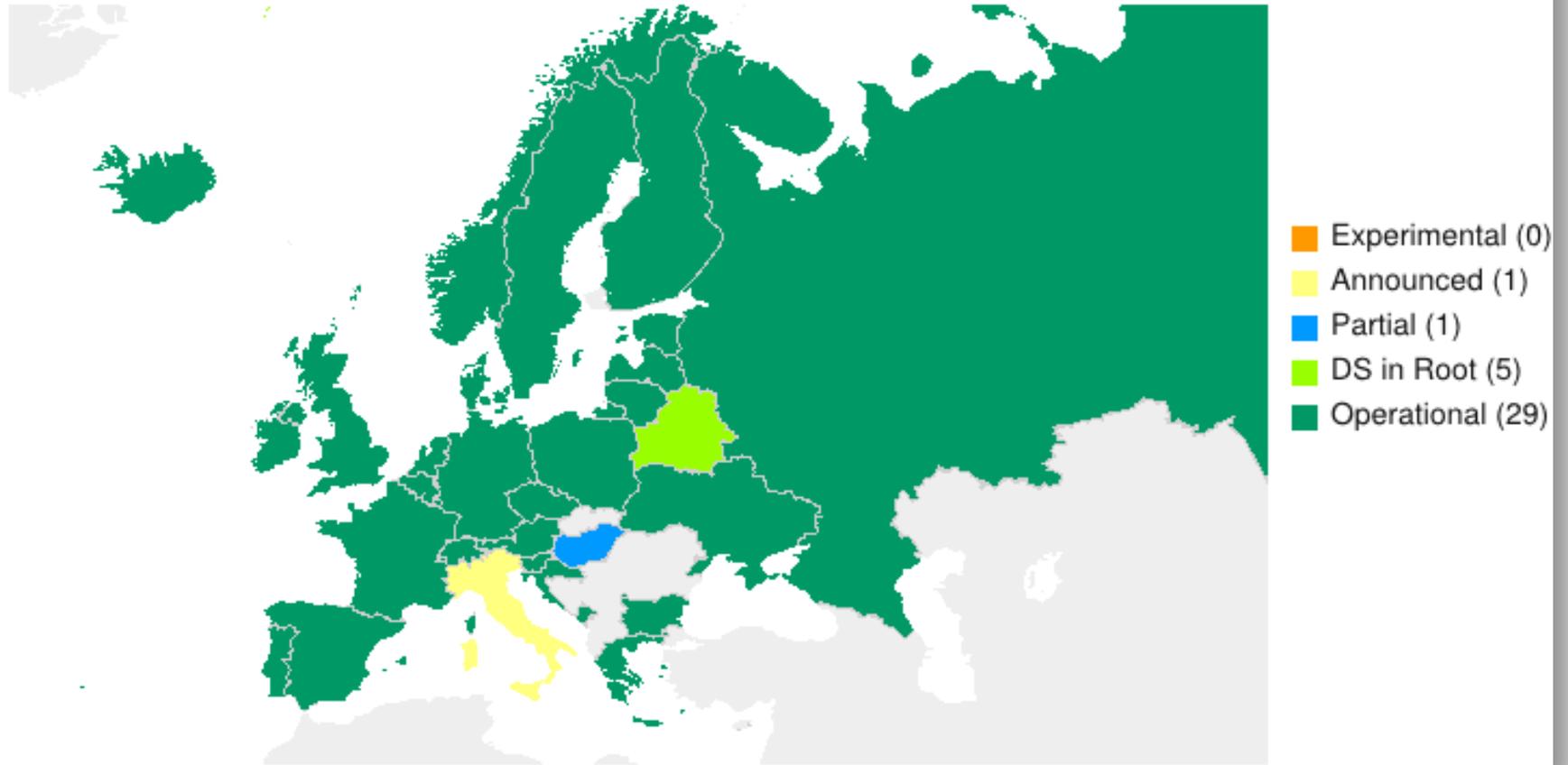
AP ccTLD DNSSEC Status on 2015-02-06



AP ccTLD DNSSEC Status on 2015-02-06



EUR ccTLD DNSSEC Status on 2015-02-06



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

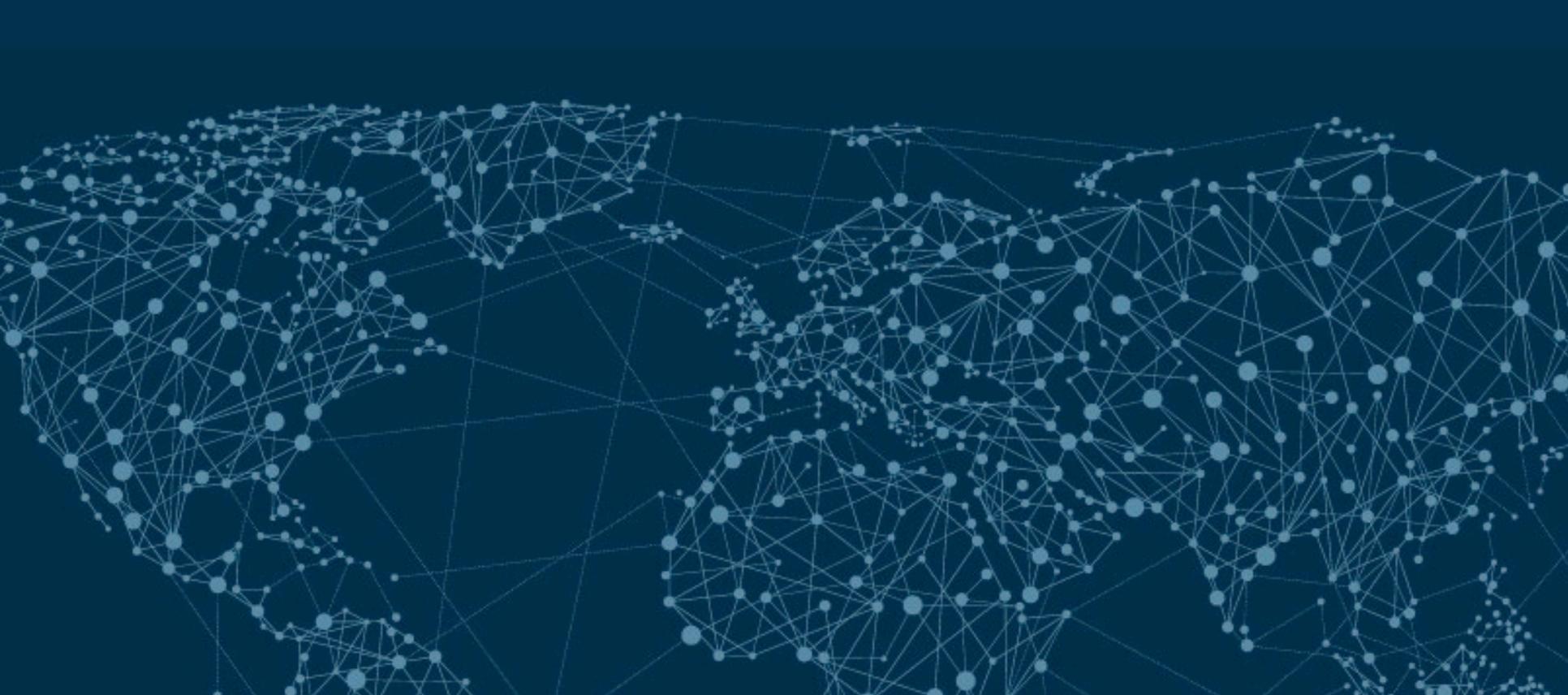
The DNSSEC Deployment Maps are now published via email every Monday morning through the Internet Society Deploy360 Programme. To subscribe, visit:

www.internetsociety.org/deploy360/dnssec/maps/

DNSSEC History Project

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

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