

# DNSSEC in ZA

Mark Elkins

DNSSEC Trainer for the ZACR  
(South African Central Registry)

[mark@dns.net.za](mailto:mark@dns.net.za)

# DNSSEC signing of ZA

- Plan approved on 22<sup>nd</sup> August, 2016
- ZA Signed 12<sup>th</sup> September, 2016
- WEB.ZA signed 16<sup>th</sup> September, 2016
- ZA DS records in the Root 9<sup>th</sup> December, 2016
- ORG.ZA and NET.ZA added 8<sup>th</sup> February, 2017

# DNSSEC signing of ZA

CO.ZA broke OpenDNSSEC

# DNSSEC signing of ZA

- Update of OpenDNSSEC 6<sup>th</sup> July 2017
- Resign CO.ZA 28<sup>th</sup> August, 2017
- Link CO.ZA to ZA 4<sup>th</sup> September, 2017

# DNSSEC signing of gTLDs

- ICANN Policy stipulates this must be done when going live
- Very few signed domains in any of the City Names (Durban, Joburg, Capetown)
- Africa is also signed

# Training & Zone Access

- First started training DNSSEC 2005
- Paused in 2015 – 300+ people trained (some more than once)
- EPP has allowed access to managing DS records for over two years – almost no ISP uses this

# DNSSEC Repercussions

I personally sign Domains. There is no policy to remove DS records on Domain Transfer

- one Joburg is broken, and when signed,
- one CO.ZA will be broken.

Even if you don't do/support DNSSEC, it can still bite you.