IN REGISTRY DNSSEC UPDATES
Agenda

- .IN Registry DNSSEC
- Registrar Participation
- Registry’s Efforts
- Resources for Registrars
- DNSSEC Validation – Current State
• .IN Registry has been an early adopter
• .IN zone was signed in November 2010
• Conducted DNSSEC Friends & Family Program
• In October 2011, DNSSEC was introduced in testing Environment
• Registry started accepting DS Records in November 2011
Registrar Participation

• Total 121 Accredited registrars

• Out of these 39 are DNSSEC enabled, including the top 10 registrars for the registry

• Total 2.0 M domain names registered

• Of that, 1287 are signed, as of September 2017 (<< 1%)
Registry’s Efforts

- Conduct sessions for accredited registrars to encourage them to promote DNSSEC.

- Organize trainings and workshops on DNSSEC with ICANN and APNIC for anyone interested.
Resources for Registrars

- EPP RTK add-ons available from Registry Website
  - Link: https://registry.in/system/files/liberty-rtk-addon-0.5.0.tar__0.gz

- Update EPP client to support DNSSEC commands

- DNSSEC OT&E environment available
DNSSEC Validation – Current State

- Per data shared by an individual researcher, out of an available list of open resolvers (about 447 NS)
  - 34 Name Servers can validate DNSSEC
  - 144 Name Servers are aware of DNSSEC but can not validate
  - 299 Name Servers do not support DNSSEC
- Some IDNs have also been signed, e.g. https://मेरा.भारत
THANK YOU

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