DNSSEC Adoption at the Top

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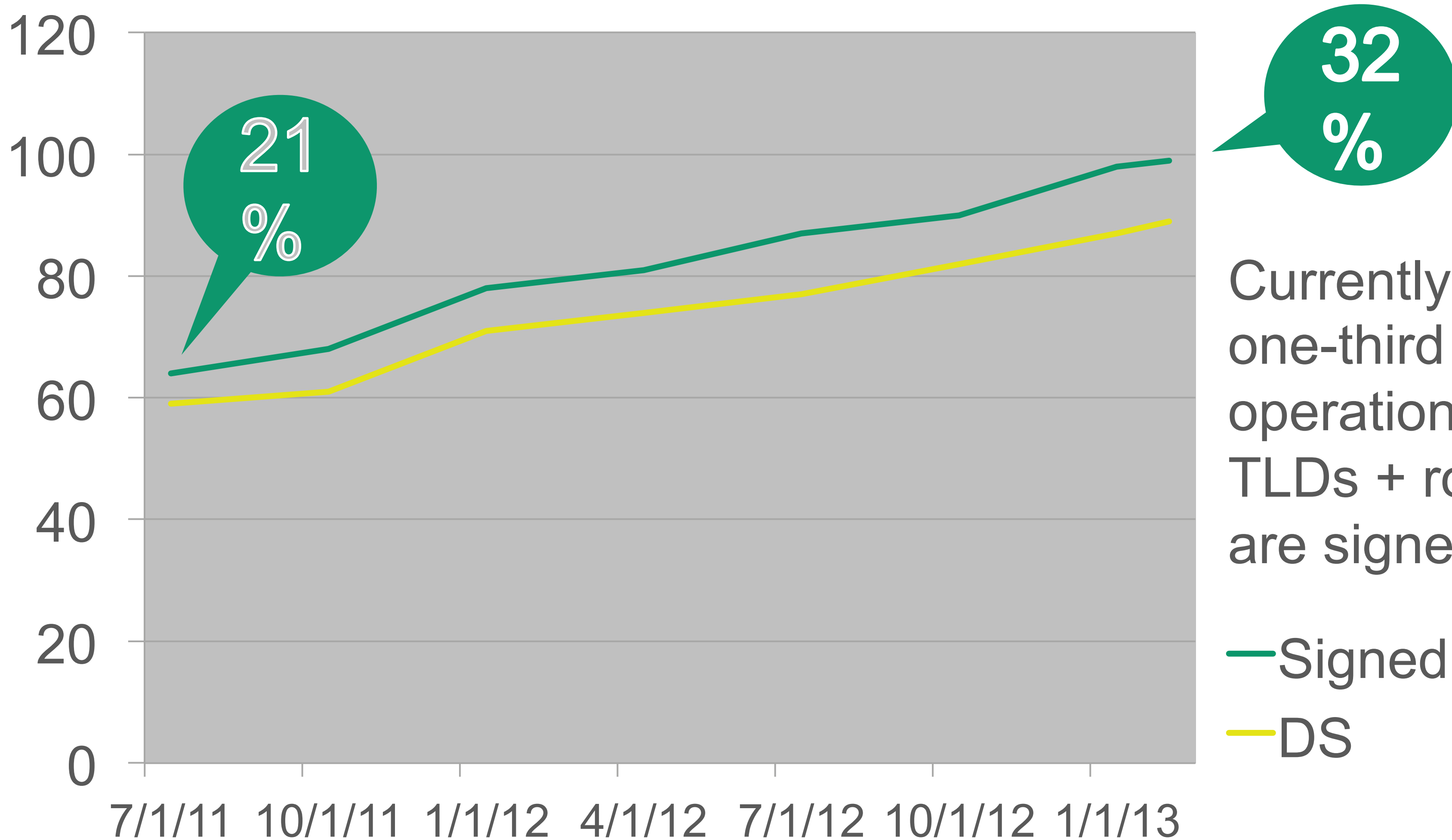
What is counted

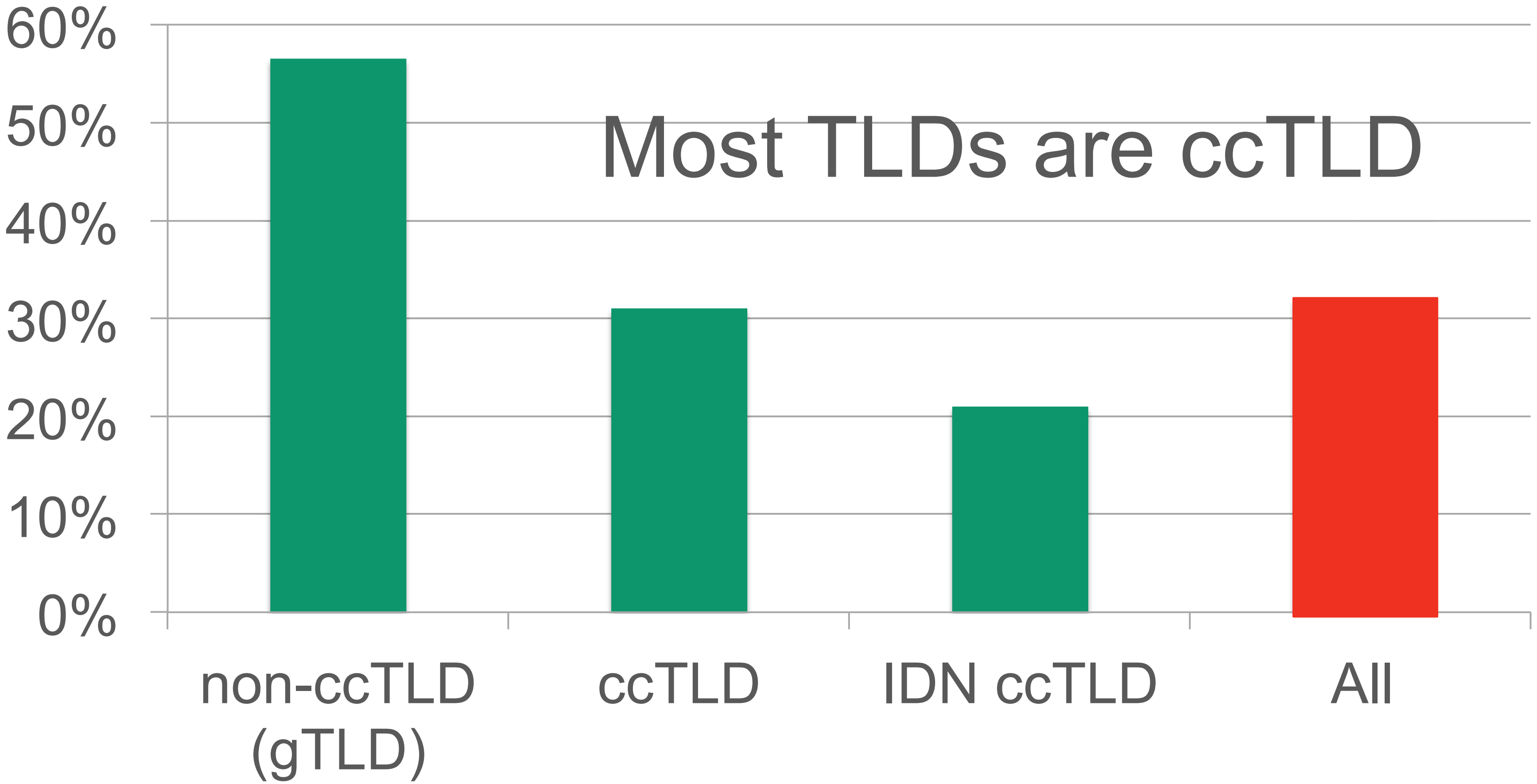
- Root zone plus ~~305~~ 306(*) of it's ~~316~~ 317 delegations
  - The 11 uncounted are non-operational test zones
  - One new zone appeared in the final edit of the slides
- Why?
  - To measure where DNSSEC "is possible"
- What's interesting
  - Zones with keys and signatures; Zones with a DS set at root
  - For the major categories, percentage of adoption
  - For the major "trade" groups, percentage of adoption

Adoption growth (quarterly)

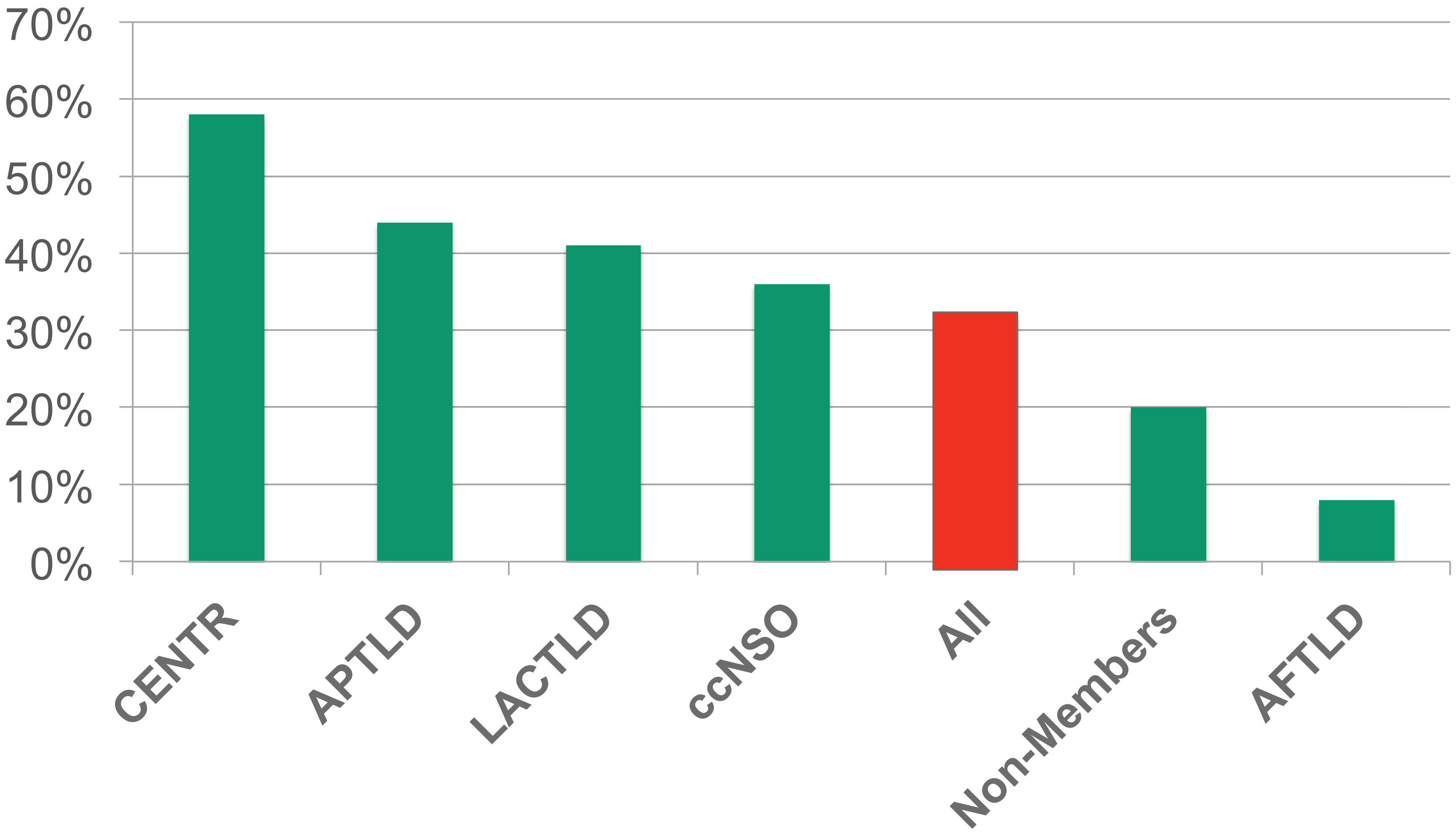


Currently one-third of operational TLDs + root are signed

Adoption by Category



Adoption Rate by Membership



Some Speculation

- Most of the gTLD category answer to ICANN
  - ICANN is a promoter of DNSSEC
  - This isn't that significant, but it shows a skewing to outside (the registry) decision making plays a role
- Membership in a "trade organization" helps
  - Access to help and "Peer pressure"
- For my friends at CENTR: "it pays to be a member of CENTR!"
- For my friends elsewhere : "it pays to be a member anywhere!"

Adoption Elsewhere

- The root and the TLDs are not indicative of general adoption
- A few TLDs have had “noticible” adoption
- More TLDs have had “negligible” adoption
- Unsigned TLDs have no measureable adoption
  - But there are signed zones in unsigned TLDs