DNSSEC Activities in Canada and .CA

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ICANN60 – DNSSEC Workshop
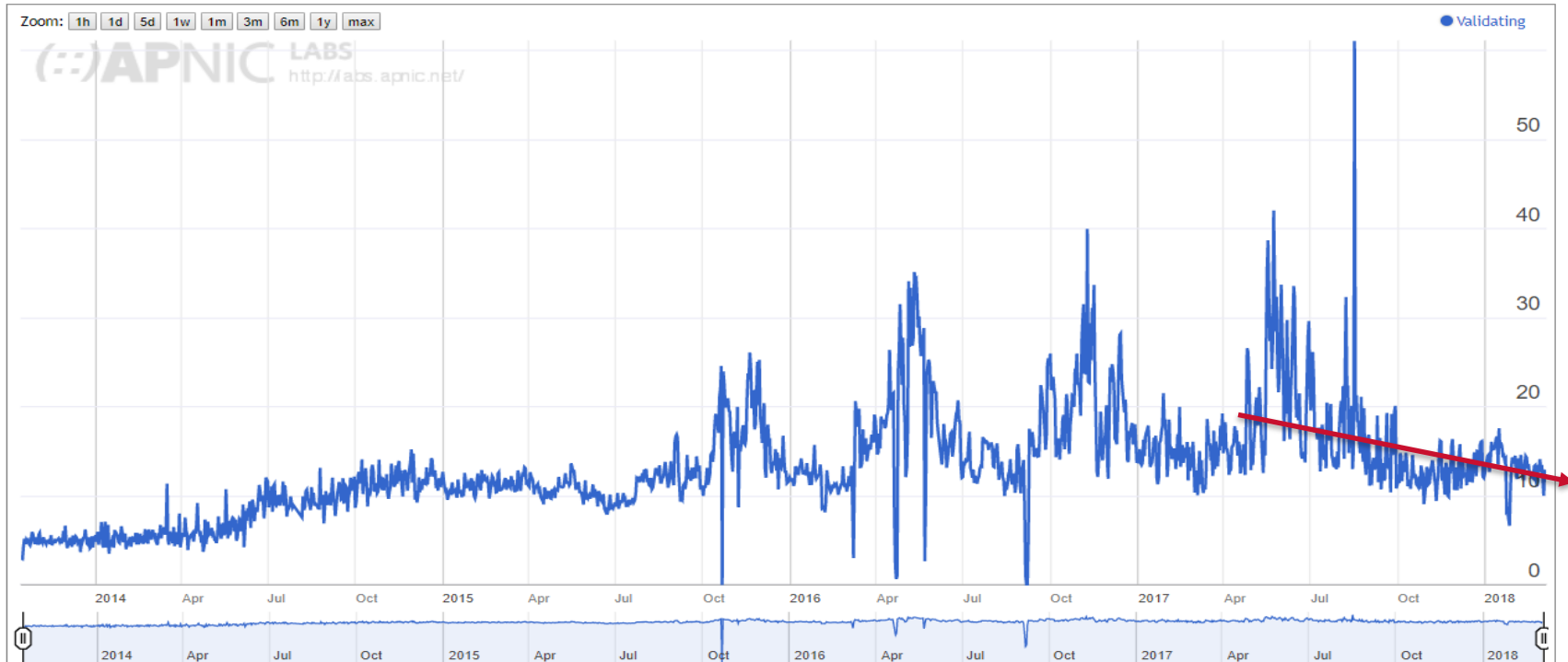
cira.

DNSSEC activities in Canada

Use of DNSSEC Validation for Canada (CA)

DNSSEC activities in Canada by Telco

- Lot's of work do to yet but key roll over not an issue 😐

ASN	AS Name	DNSSEC Validates	Samples ▽
AS812	ROGERS-COMMUNICATIONS - Rogers Communications Canada Inc.	1.44%	1,463,736
AS6327	SHAW - Shaw Communications Inc.	2.20%	1,244,757
AS577	BACOM - Bell Canada	1.80%	1,225,131
AS852	ASN852 - TELUS Communications Inc.	1.67%	1,024,163
AS5769	VIDEOTRON - Videotron Telecom Ltee	1.85%	480,399
AS7992	COGECOWAVE - Cogeco Cable	1.41%	322,137
AS855	CANET-ASN-4 - Bell Canada	1.16%	299,993
AS5645	TEKSAVVY - TekSavvy Solutions, Inc.	93.70%	210,345
AS803	SASKTEL - Saskatchewan Telecommunications	1.20%	184,844
AS11260	EASTLINK-HSI - EastLink	1.31%	177,166

Activities in .CA

- We have 1256 .CA domains with signed delegations

.CA DNSSEC Enabled

DNSSEC activities in .CA

- Slow adoption, very few registrars support DNSSEC

- GoDaddy – Recently turned on for .CA
  - "I just wanted to let each of you know that DNSSEC has been enabled for .CA as of 6/21/2017"

- Lack of development at CIRA resource / priority to implement CDS/CDNSKEY automation in production ☹

- But need to redo work on draft-ietf-regext-dnsoperator-to-rrr-protocol based on feedback and new approach

5

Questions?