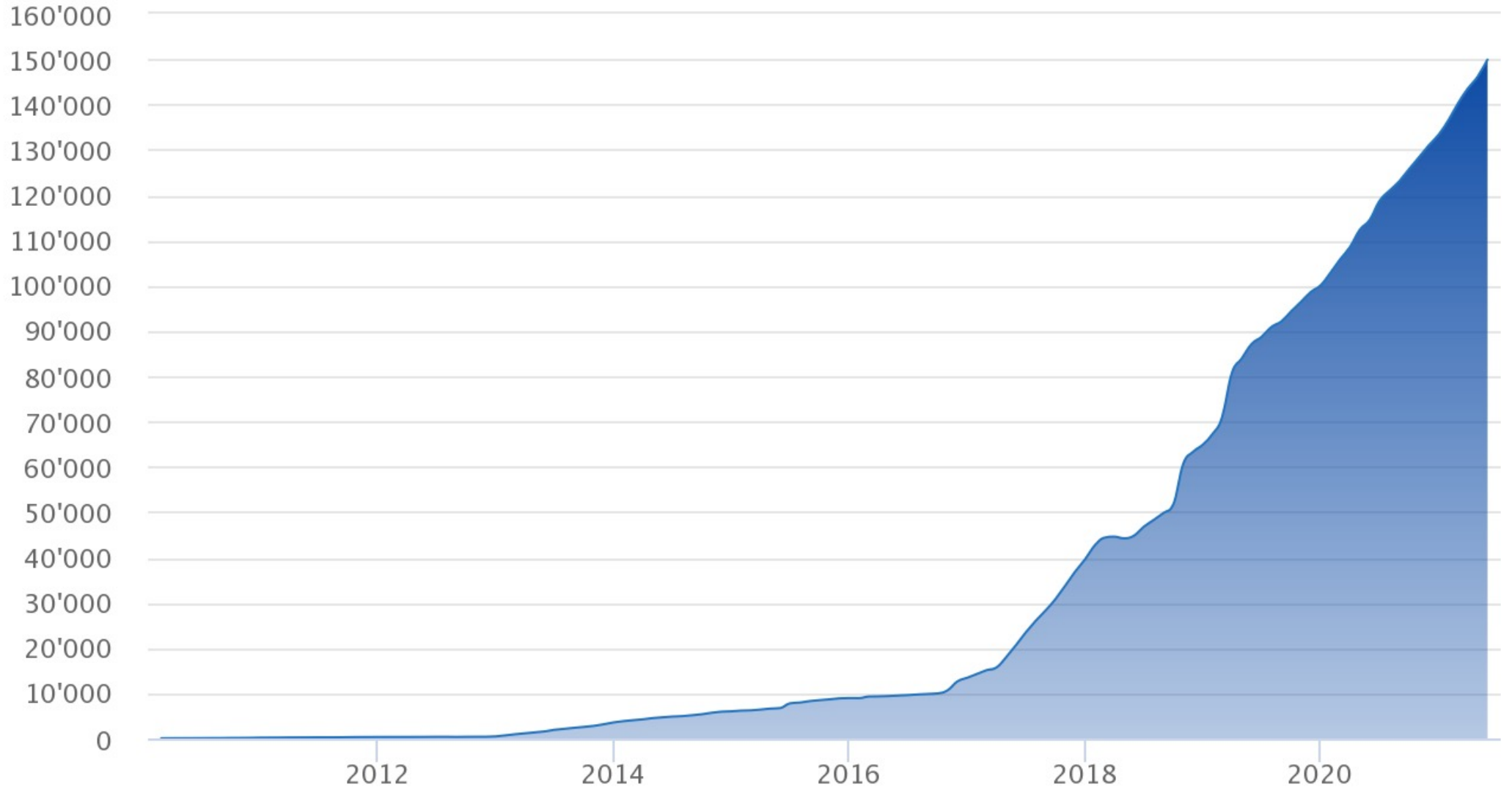# DNS Resilience Program and RFP for DNSSEC Measurements

SWITCH

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ICANN DNSSEC WG 14.6.2021
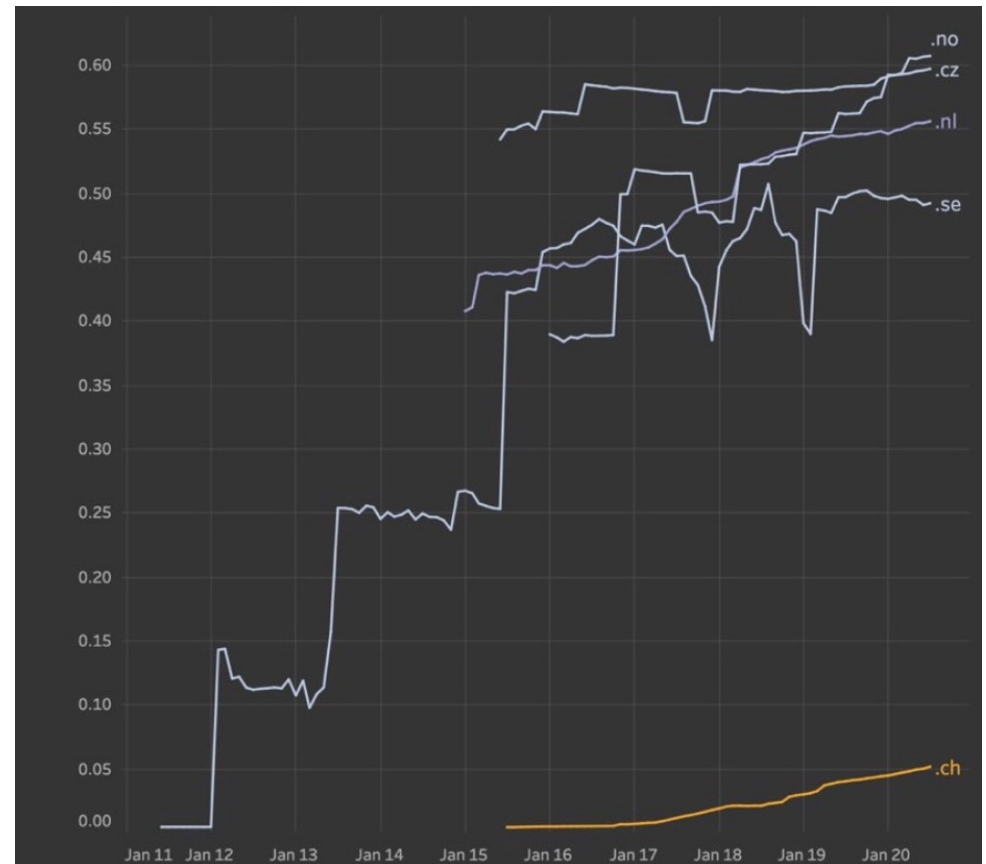
Number of .ch domain names with DNSSEC

DNSSEC for .ch

Compared with the leaders
.ch is far behind with
DNSSEC adoption

source: CENTR

DNSSEC Resilience Program

Based on the success of financial incentives at other TLDs the Swiss Federal Office of Communication decided to give a financial incentive via the .ch renewal price starting 2022.

A steering charge is collected at the point of registration & renewal for domains without DNSSEC and and redistributed to domains with DNSSEC after a reduction of a fixed compensation to run the program.
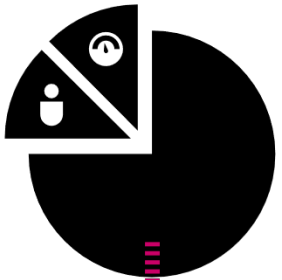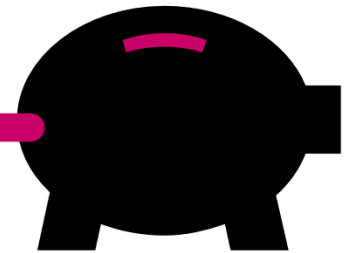
No DNSSEC

1.–

Price difference
as of 2022

DNSSEC signed

No DNSSEC

DNSSEC signed

RFP for DNSSEC Measurements

To determine whether a domain name was correctly singed, SWITCH is looking for an independent DNS expert to run the DNSSEC measurement as a service…

RFP for DNSSEC Measurements

- RFP was published on May 7

- 7 potential bidders were asked directly for a proposal and the RFP was send to the DNSSEC-COORD mailing list

- Questions have been answered until May 21

- Evaluation was done the next week

RFP DNSSEC Measurements - Criteria

- **DNSSEC Measurements (50%)**
  - Measure DNSSEC validation, list with errors, failure report
  - Configuration guideline,failure history,Re-validation interface, et. al
- **Optional Services (10%)**
  - Dashboard, statistics, configuration warnings, other services, et. al
- **Qualification of Bidder (20%)**
  - Experience,Reports and publications
- **Other/additional requirements (10%)**
  - ISMS,Support of DNSSEC & open security standards, data escrow, et. al
- **Extension of the contract (10%)**
  - Until 2026, potential standards: DMARC, DANE, TLS, IPV6

Proposals received

- 5 Proposals were submitted by May 21, 2021
- 2 Potential bidders choose not to offer because of resources
- Evaluation by 5 SWITCH employees (3 evaluated RFP overall, 1 checked technical aspects, 1 checked legal aspects)
- Major reasons for point reductions:
  - Use of DNSSEC
  - Operational experience and excellence
  - Capability to build service to our schedule

Winning Bid

- Fully meets all requirements
- Is already running such a service
- Smallest risk with operational issues
- GUI can be improved if necessary
- Service is provided by a trusted organization

START OF MEASURING

START PRICE DIFFERENTIATOR

2022 01 02 03 04 05 06 07 08 09 10 11 12 2023 01 02 03 04 05 06 07 08 09 10 11 12 2024 01 02 03 04 05 06 07 08 09 10 11 12 2025 01 02 03 04 05 06 07 08 09 10 11 12 2026 01 02 03 04 05 06 07 08 09 10 11 12

10 11 12

1.– 1.– 1.– 1.– 1.– 1.– 1.– 1.– 1.– 1.– 1.– 1.– 1.– 1.–