

e-Sign PoC of SWITCH

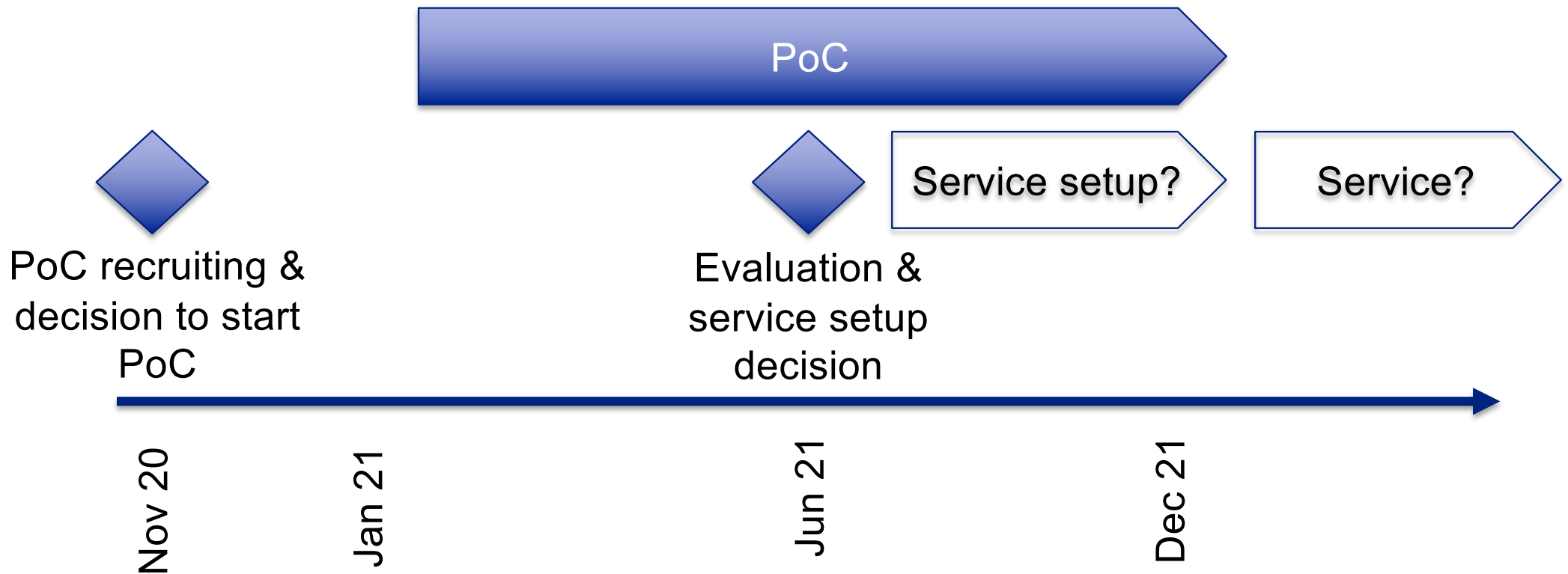
SWITCH

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Electronic signing background

- Remote work during the COVID-19 pandemic disrupted paper-based signing processes
 - Many universities started offering or envisaging electronic signing services for their staff
 - SWITCH is exploring options to offer an e-signing service to universities
 - Integrating with e-signing interfaces of business applications
 - Offering stand-alone PDF-signing capabilities
 - But: There is substantial uncertainty regarding usage scenarios, required quality level(s), acceptable cost, integration requirements, expected volume etc.
- Decision to enter a pre-service proof-of-concept (PoC) to learn together

Timeline of e-Sign service PoC



PoC e-signing@SWITCH features

- SaaS offering, hosted by SWITCH and at SWITCH
 - Based on Letssign by Sysmosoft
 - One multitenant service instance, authentication by SWITCH edu-ID
 - Integration: only web and email required, APIs optional
 - Document types: PDF only
- Set of features supported during PoC:
 - Seal signatures (AES) specific to participating organisations
 - qualified signatures (QES)
- Swisscom AIS as backend provider
 - Authentication for QES signatures requires registration in Swisscom Shop
- Green Tick in Adobe Reader for all signatures

Choice of electronic signatures in PoC

Quality level	e-Signature	e-Seal
Simple (SES)	Any type of digital signature on documents (e.g. mail footer)	
Advanced (AES)	signature linked to a natural person	signature linked to an organisation
Regulated	+ Additional security and accredited provider	+ Additional security and accredited provider
Qualified (QES)	Equivalent to handwritten signature	(Not available in CH)

Element of e-sign-PoC

<https://www.fedlex.admin.ch/eli/cc/2016/752/de>
<https://www.fedlex.admin.ch/eli/cc/2016/752/fr>

Main signing use cases in PoC to date

Use Case	Signature Type
Contracts with external parties	Most: QES e-Signature Some: AES e-Seal/Signature
Internal workflow support (e.g. for approval processes)	AES e-Seal/Signature
Certificates (e.g. confirmation of enrolment)	AES e-Seal/Signature

Usage

Apr 21, 2021 - May 21, 2021

LAST 30 DAYS

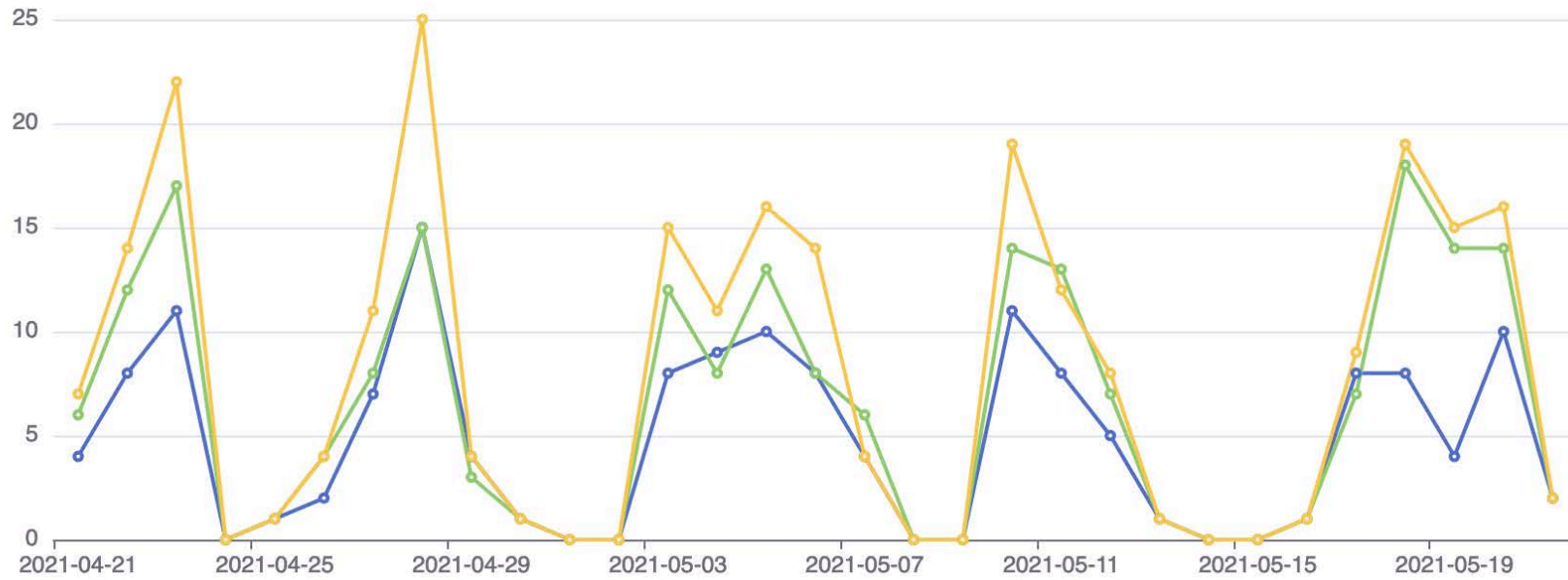
LAST 90 DAYS

CUSTOM



[Overview](#) Organizations Signature type

active users documents signatures



59
active users

189
documents

251
signatures

8
Avg. signature per day

97%
documents accepted

PoC e-Sign@SWITCH conditions

- PoC setup Dec 2020 – Jan 2021, start of service Feb 2021
- PoC duration until end of 2021

Fee	CHF	Scope
Participation fee	12'000	Per tenant (university) cost/year
SES signatures (university seal)	0 0.25	Per user cost/year Per signature cost
QES signatures (personal)	200 0	Per user cost/year Per signature cost