

Distributed Vetting for SFA - demo#4

Team Omega



Goals

This project investigates:

- together with research communities how the token registration can be scaled for scenarios where participants are distributed over EU and beyond

Preparatory work

- Report document
 - Secondary research: literature
 - Primary research: Interviewees
- Requirements specification
 - Use cases
 - Scope

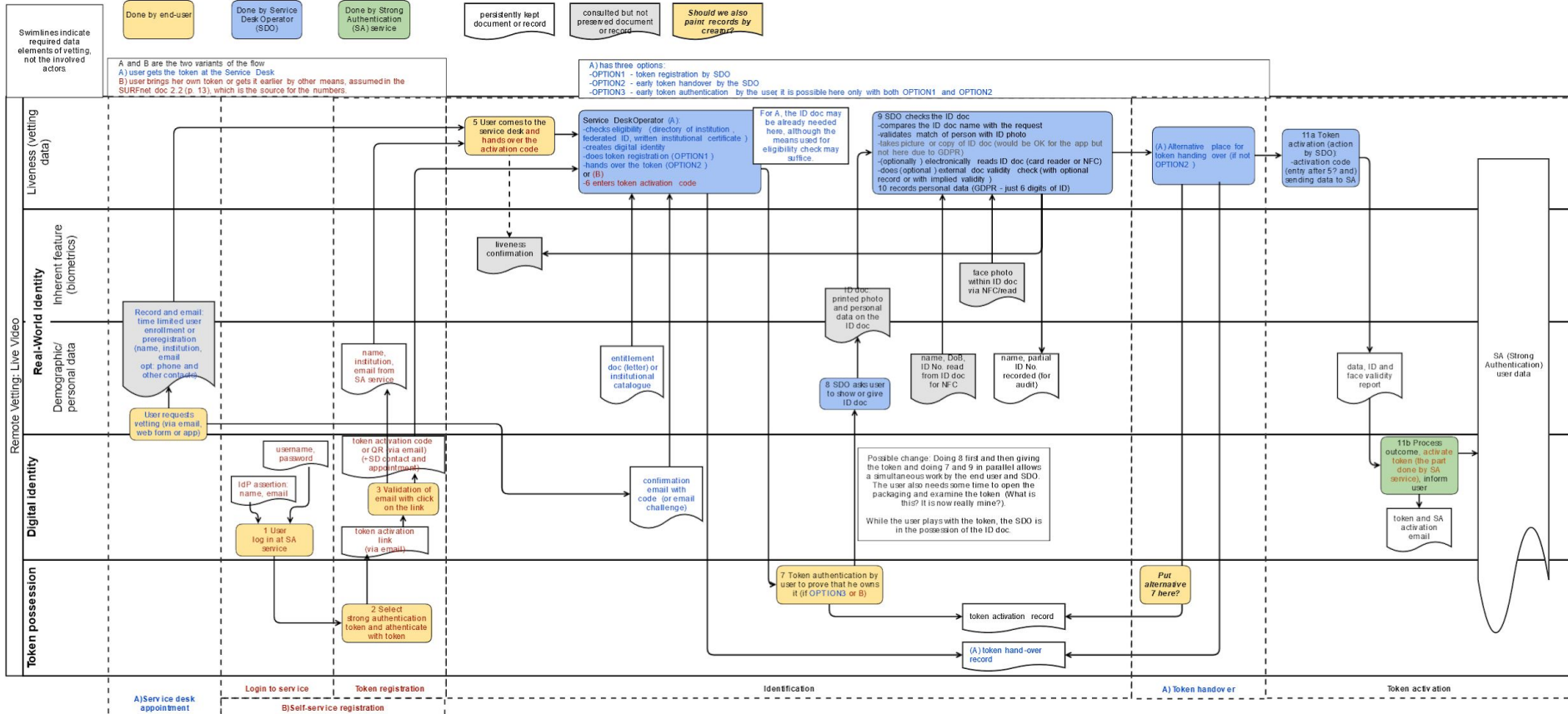
Possibilities to investigate

- **Physically at the door**
- **Live video chat**
- **Mobile app with picture of identity document and selfie / NFC technology for ID document**
- **Derived identity from strong authentication by iDIN, Idensys, or iDEAL; eID solutions via eIDAS;**
- **Central registration desk;**
- **Reuse of existing registration desks at other organizations like municipalities, banks, Chamber of Commerce, Certification Authorities or other education and research institutions;**
- **Community-based vetting, i.e. let other users do the vetting.**

Progress

- Done
 - Building blocks definition / Investigation structure
 - Consolidation of various documents to one report document
- In Progress
 - apps testing, flow testing
 - report document
 - DV-MFA table to discuss with research communities

Example of analysis: A registration desk flow in BPMN-like notation as described in SURFnet report "Remote Vetting" chap. 4.8-9



DV-MFA table

Activity	Subactivity	Subsubactivity	Mapping I (Identity/Identification) F (Factor) → 1F if first factor, 2F if second factor	Mandatory/optional? (typically)	Input (typically)	Output (typically)	(Security) risks if omitted (general)	Dependencies (could be quite specific)	Increases/Decreases LoA (general)
Ident 3) Identification (eligibility check;identity vetting using ID doc or alternative identity assertion method;unsure match of the person and her digital identity)	Ident.Sched 3.0) Identification session arrangement and scheduling (optional)		I_schedule						
	Ident.ElegC 3.1) Check eligibility of user & possession of first factor		I_checkEligibility 1F_authenticate	optional if already performed in 1.1					

DV-MFA table refinement

I Identity Vetting

Capture and verify information about a user for identification.

AttributeX: Some later detailed attributes could come here.

AttributeY: Some later detailed attributes could come here.

(Optional) **I_SCHEDULING Identification session arrangement and scheduling**

Schedule an identification session in order to identify the user. Optional action.

Real-time interaction may not be required.

Input:

Output:

I_ELIBILITYCHECK Check Eligibility of User

Check if the user is eligible to request an additional factor.

Input:

Output:

Leftover

- actual interviews
- try more-more-more solutions
- trials with user communities
- finish up reports
- finish table refinement

Thank you!