

# EU Business Wallet

Comparison with the EUDIW & presentation of use cases

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# Key Question(s)

*"What becomes possible when wallets are designed for businesses rather than people?"*

## Why This Discussion Now

- EUDI Wallets are reaching deployment phase
- EU Business Wallet proposal published by the **European Commission**
- Risk: replicating *mobile identity thinking* in *business contexts*
- Opportunity: move from **identity presentation** to **automated business processes**

# EU Business Wallet (EBW/EUBW) vs EUDI Wallet (EUDIW)

Dimension	Mobile EUDI Wallet	EU Business Wallet
<b>Primary subject</b>	Natural person	Economic operator (legal and natural persons "doing business")
<b>Attestation sources</b>	Public registers	Public registers and self-issued business documents
<b>Runtime</b>	Human-in-the-loop	Machine-to-machine
<b>Usage pattern</b>	Episodic	Continuous
<b>Automation potential</b>	Limited	High

# Origins of the EU Business Wallet Idea

- Emerged from **business-to-business** and **business-to-government** needs
- Early conceptual work in:
  - Nordic public sector co-operation (born through NSG&B)
  - Finnish Real-Time Economy program
  - EWC (European Wallet Consortium) papers & outputs
  - Large-scale pilots during EWC  
(mainly KYC and Public Procurement)
- Core insight:  
**Business processes cannot depend on human wallet interaction**

1) Natural person wallet to legal person wallet

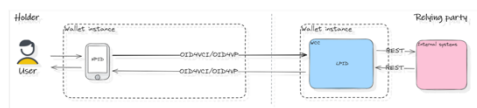
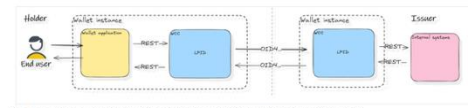


Figure 6: Communication between a natural person wallet and a legal person wallet

2) End user operated legal person wallet-to-wallet communication



3) End user operated internal system with legal person wallet-to-wallet

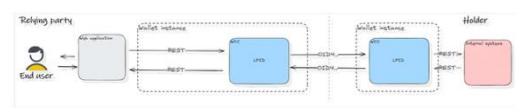
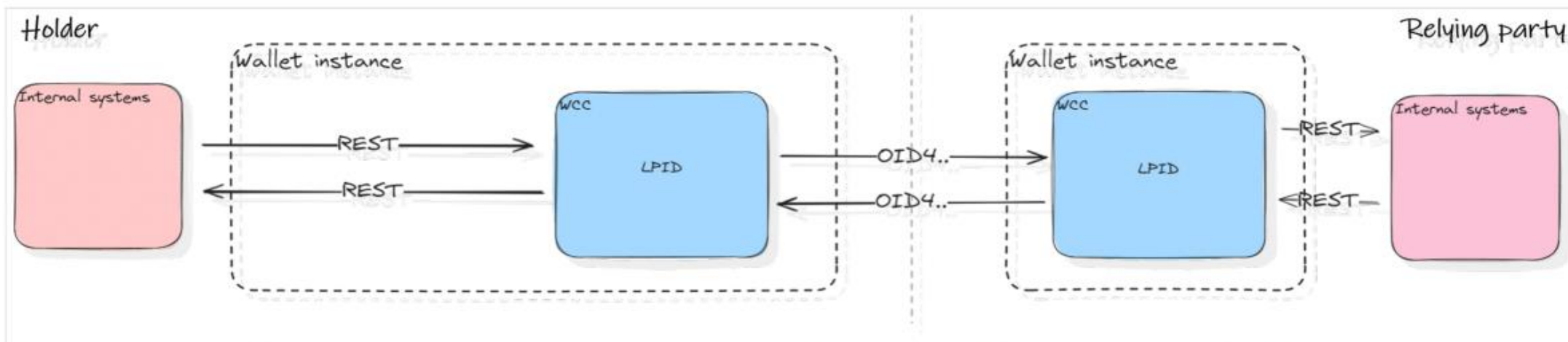


Figure 8: Organisational wallet-to-wallet communication with an end user in an internal system

### 3) End user operated internal system with legal person wallet-to-wallet



### 4) Internal system operated legal person wallet-to-wallet communication

Figure 9: Internal system controlled organisational wallet-to-wallet communication

# EWC: Wallet-to-wallet interactions

# EWC Vision vs Commission Proposal

## *High-level comparison*

### EWC outputs (White Papers, RFCs, proposals)

- Wallet as a *business system component*
- Emphasis on **automation, semantics, event-driven processes**
- Strong role for Verifiable Credentials beyond identity

### Commission EBW Proposal

- Clear legal anchoring and governance
- Broad functional scope
- Includes some **legacy trust services assumptions**

# WE BUILD LSP:

## Semantics and Technical Format for Attestations

mDOC

IETF SD-JWT

W3C VCDM

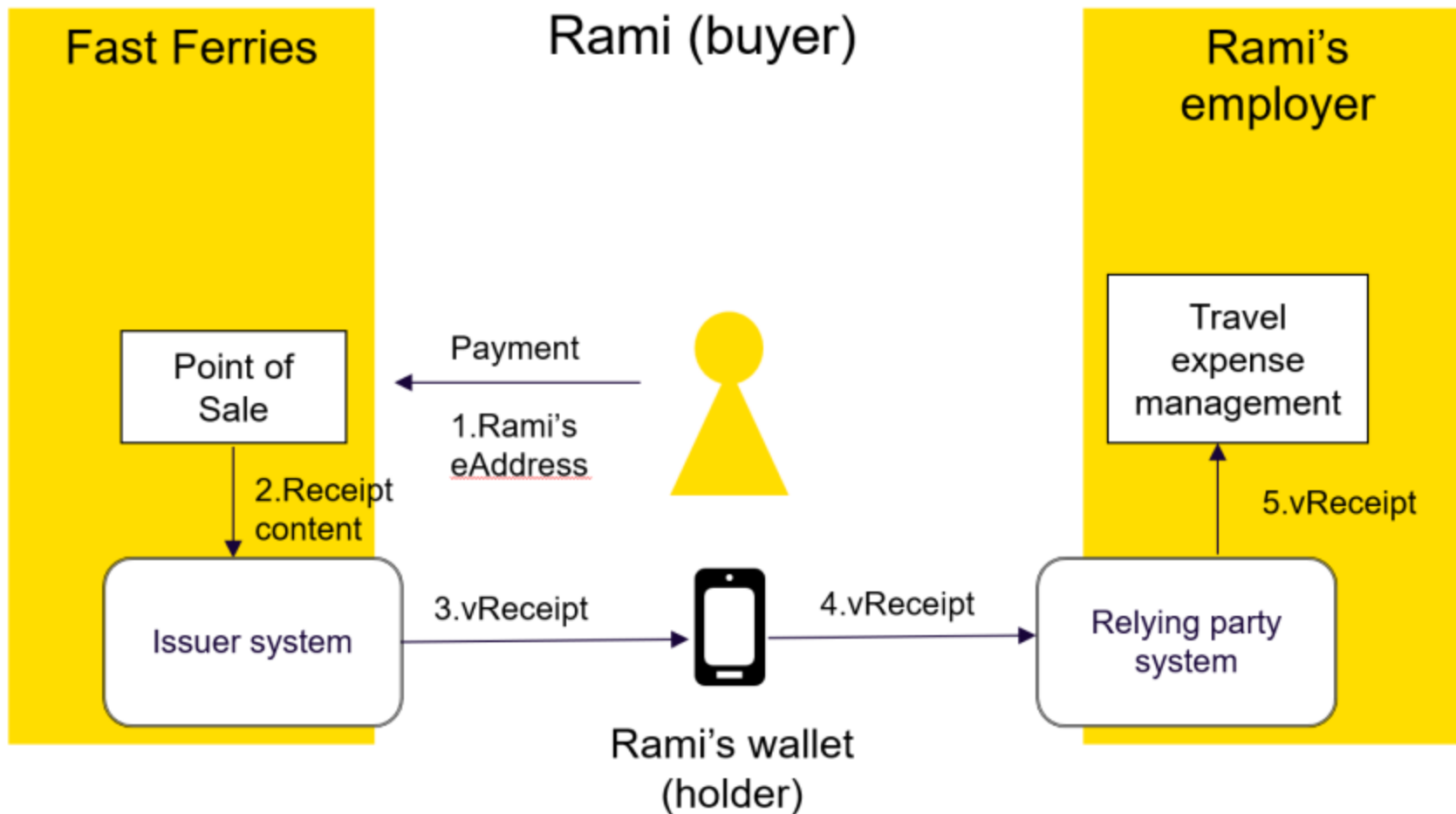
### Why W3C Verifiable Credentials Are Essential

- W3C VCs enable:
  - Structured, machine-interpretable claims
  - Selective disclosure
  - Cryptographic verification
- Crucially:
  - **Alignment with business vocabularies and ontologies**
  - Semantic precision needed for automation

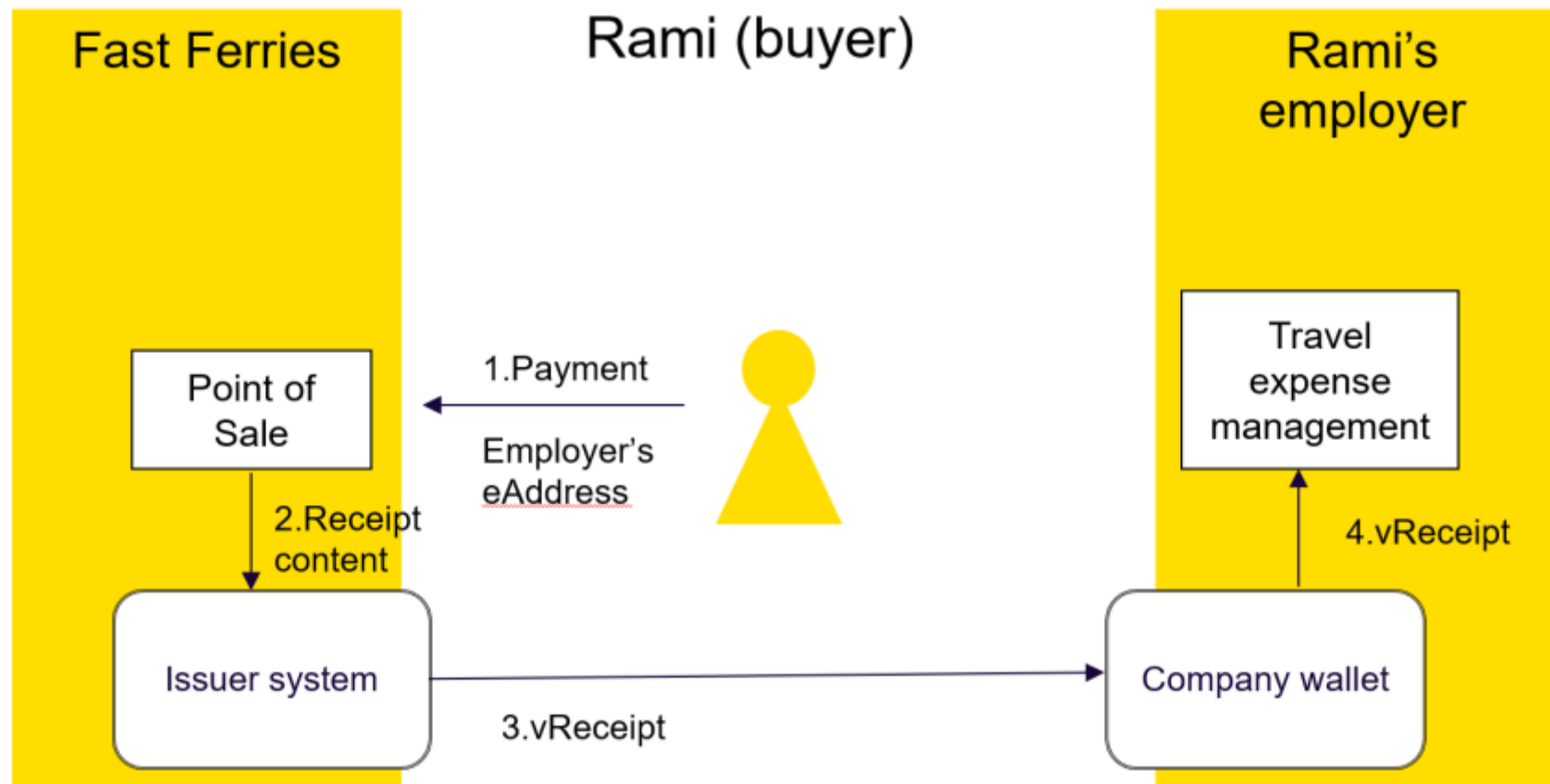
## **Use Cases (EWC and WE BUILD)**



# EWC: Verifiable Receipt issued to an EUDIW

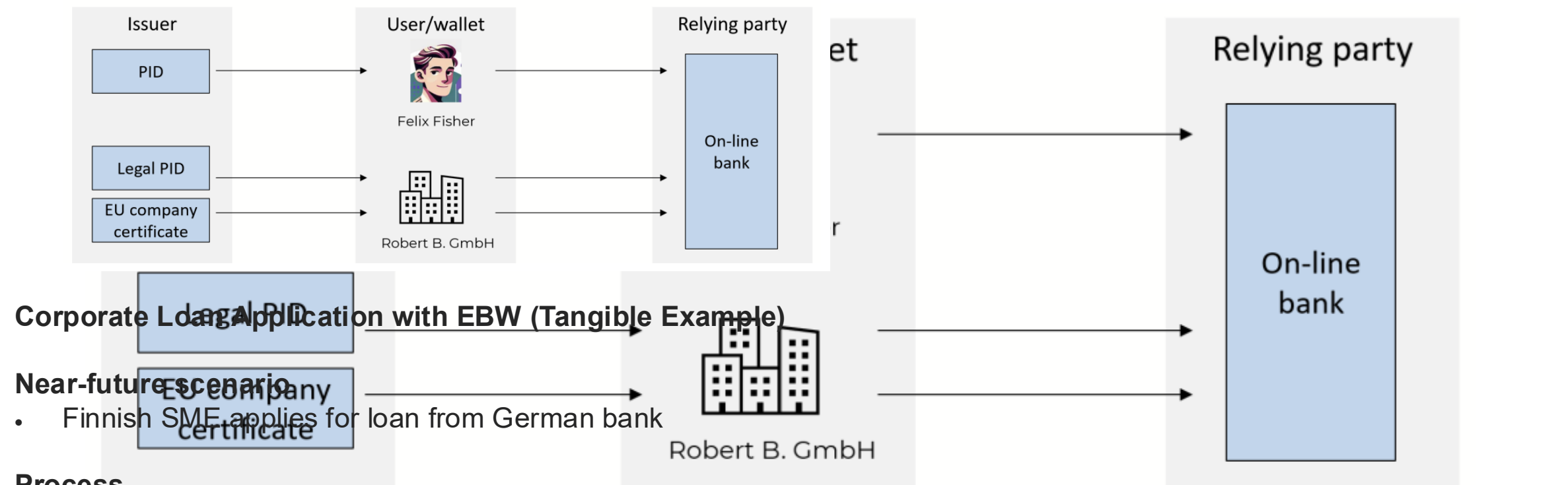


# EWC: Verifiable Receipt issued to an EUBW



# EWC KYC:

## Opening a Corporate Bank Account in another country

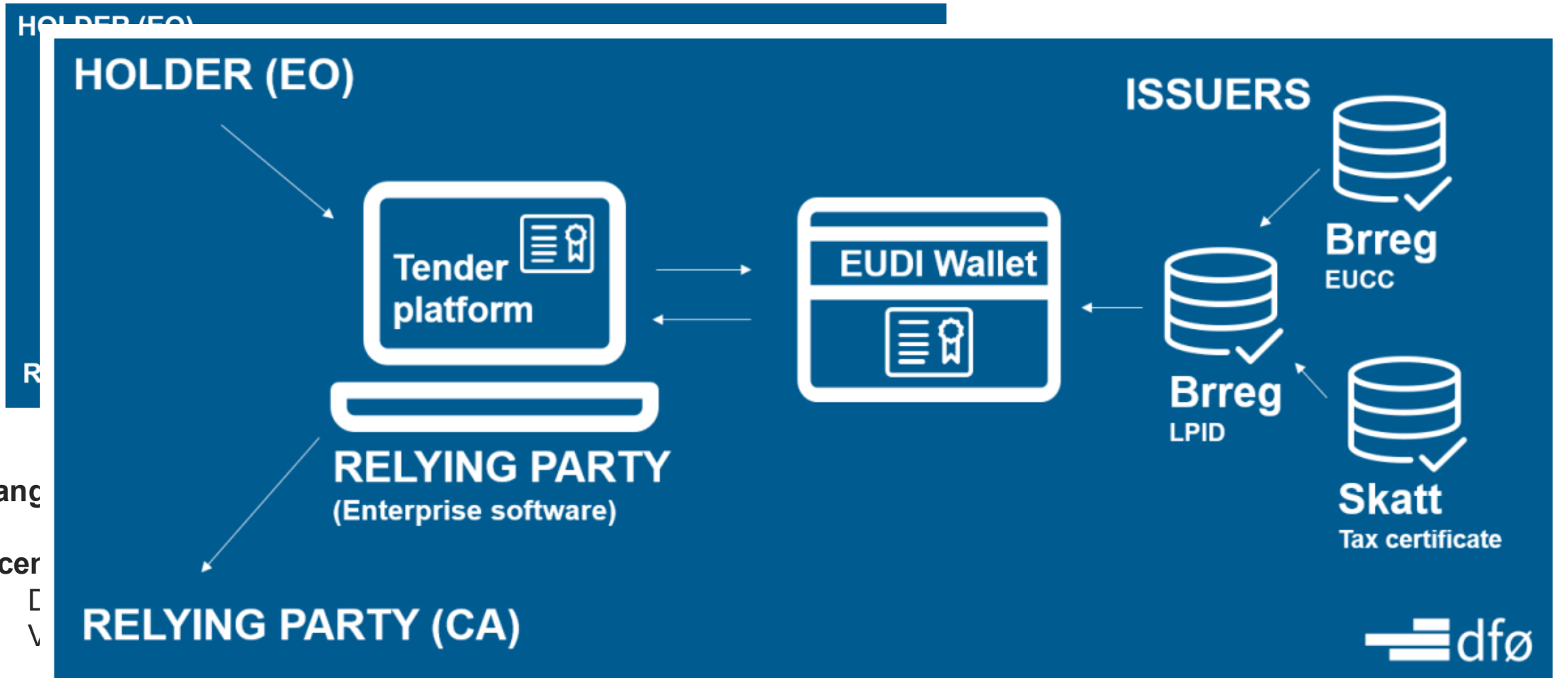


### Process

- Bank queries EBW credentials **via API** (*key question: do present technical standards support this?*)
- **Automated verification:** company identity; UBO thresholds; authorised signatory
- **AI agent** checks compliance rules
- Human review only for credit risk

### Result

- Days → minutes
- Onboarding reused, not repeated



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## What exists beforehand

- Companies hold EBW credentials:
  - exclusion grounds clearance; tax & social compliance
  - sector-specific qualifications; authorised bidding mandates

checks.

# WE BUILD & other Use Cases

## WE BUILD LSP (13 use cases)

- KYC/KYS/KYBP/DD
- Create a Branch
- Private and Business Payments
- Business Access to OOTS
- Authentication and Access to Transports (eFTI)
- eInvoicing (PEPPOL)

## Outside WE BUILD

- Digital Product Passports (DPP)
- Public Procurement (cross-border)
- International Trade (UN/CEFACT et al)

# Conclusions



# Why Mobile-First Thinking Falls Short

Business processes are:

- Long-lived
- Parallel
- System-to-system

Mobile wallets assume:

- User presence
- Consent per interaction

EBW must be:

- Server-side
- Policy-driven
- API-accessible

## Strategic Principles for EU Business Wallets

EU Business Wallet is not “EUDI Wallet for companies”

- Machine-readable by default

➤> It is a new execution layer for the Single Market <<

- Event-driven, not message-driven

Success depends on **infrastructure**, not apps

- Designed for **automation first**,

• **Compliance by design**

- Shared vocabularies

- AI-compatible semantics

Otherwise: risk of digitising paper, not processes

# Some initial Finnish Government standpoints on the EBW proposal

- The **greatest benefits** of business wallets are achieved when they are **widely used** in information exchange **between economic operators (B2B as well as B2G/G2B)**
  - While broad public-sector adoption can help catalyze the business wallet ecosystem, an appropriate and cost-effective balance should be found between public sector obligations and enabling the use of business wallets by economic operators.
- The legislative initiative **does not currently promote** the development of **interoperable procedures** for structured data exchange; instead, these are assumed to emerge through sector-specific legislation
- To **advance structured data exchange**, it should be ensured that—at least for key business documents—there are **governance, trust, and data model specifications** guaranteeing interoperability in shared catalogues of electronic attestations of attributes
- A **key capability** of business wallets is **access-rights management**, which should also **allow external systems—such as AI agents—to be authorized** to use the wallet's capabilities. This would be a prerequisite for enabling automated use of business wallets.

## From Digital Identity to Digital Capability

EBW can unlock:

- Fully automated cross-border business
- SME inclusion
- AI-driven efficiency

The **design choices** made now will *define the next decade*

# **National DPI-development dialogue (Finland)**



# Business Activity Ecosystem

Legal Framework

Governance Body

## Business Processes

(Optimal automation through real digitalization)

Events

Event-Driven Architecture

Business Events

Company life-span

Orchestration

[BPMN&BPEL]

Agentic AI

Rules & Policies

Rule APIs

Rules as Code

Law Editor

Open Fisca

EUDI/EB Wallets

WE BUILD LSP

Data Foundation  
("Business Information Data Space")

Semantics

Syntax

DSSC Blueprint



**VERO**  
SKATT

