KYS-Demonstrator (Know-Your-Supplier)

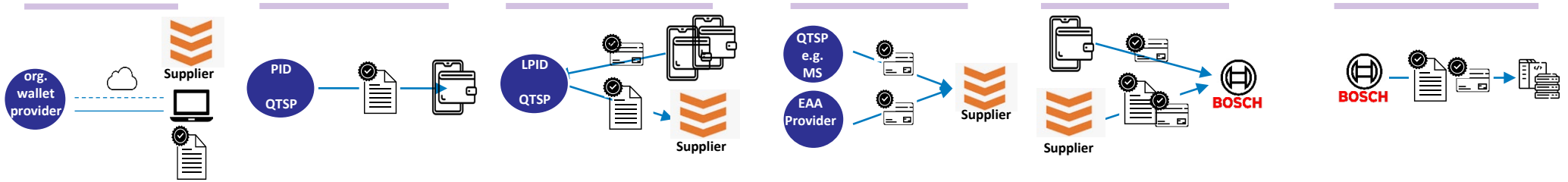
based on eIDAS 2.0

Florin Coptil | 26.11.2024
florin.coptil@bosch.com

BOSCH

KYS. Supplier Onboarding

	01	02	03	04.	05.
	PID Issuing	**LPID Issuing Additional EUCC**	**QEAA/EEA Issuing (ex. Company PoA)**	**Service Access KYS – Onboarding**	**Transfer into Internal Systems**
Organisation Wallet Provisioning	A legal entity requests an organizational wallet from a wallet-hosting SaaS provider.	Individuals, legal signatories and legal representatives request the PID to the QTSP provider.	A natural person initiates the request to obtain the legal entity ID (LPID).	A natural person initiate the request to an issuer to obtain person or legal entity specific attestations (e.g., PoA).	A natural person initiates onboarding for a business partner or organization.	Credentials are validated (cross check over the attestations)
Options for wallet usage (self hosting, on-premise or SaaS) are explored.	Identification of the natural person is conducted.	Necessary company information are requested and shared by the initiator.	Necessary attestations for natural persons (PIDs) and legal entities (LPID) are requested and presented.	Necessary attestations for natural persons (PIDs), legal entities (LPID, EUCC) and Power of Attorney (PoAs) are requested and presented.	Validated credentials are transferred into internal systems
The scenario ends when the wallet is fully operational and usable.	The PID will be issued to the personal wallet after the successful exchange of the challenge code.	Necessary attestations for the natural persons (initiator and legal signatories) (PIDs) are requested and presented.	Mutual verification and authentication are conducted through LPID attestation exchanges between the issuer and the holder's.	Mutual verification and authentication are conducted through LPID attestation exchanges between the issuer and the holder's organizational wallet.	Legal Entity is informed about the status of the process
		The LPID will be issued in the organization wallet after the successful exchange of the challenge code.	The Attestations will be issued in the organization wallet.	The attestations are presented to the verifier and validated.	Services are now enabled (ex. IBAN Certificate, Q-Certificates, DPP –Data)



© Bosch.IO GmbH 2023. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution as well as in the event of applications for industrial property rights.

BOSCH

Digital Identity & Wallets

Step 1: Get Natural PID into Personal Wallet

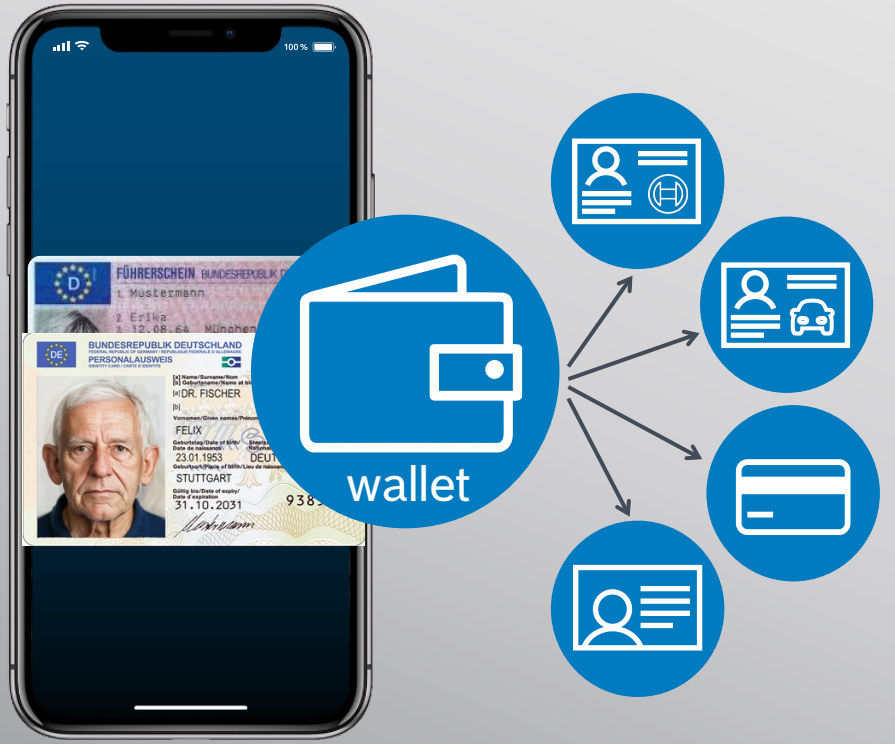
© Bosch.IO GmbH 2023. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution as well as in the event of applications for industrial property rights.

Digital Identity & Wallets

Step 1: Get Natural PID into Personal Wallet

Issuer

- Bundes-druckerei
- mySaveID



© Bosch.IO GmbH 2023. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution as well as in the event of applications for industrial property rights.

Digital Identity & Wallets

Step 2: Apply for LPID (additional EUCC will be also issued)

Apply LPID & EUCC for Company (EUID/WalletAddress)

Request PID

Presents PID Proof

Request PID

Presents PID Proof

Legal Signatory / Scope: Alone

Issuer

mySaveID

Bundes anzeiger

© Bosch.IO GmbH 2023. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution as well as in the event of applications for industrial property rights.

Digital Identity & Wallets

Step 2: Issuing LPID & EUCC

Issuer

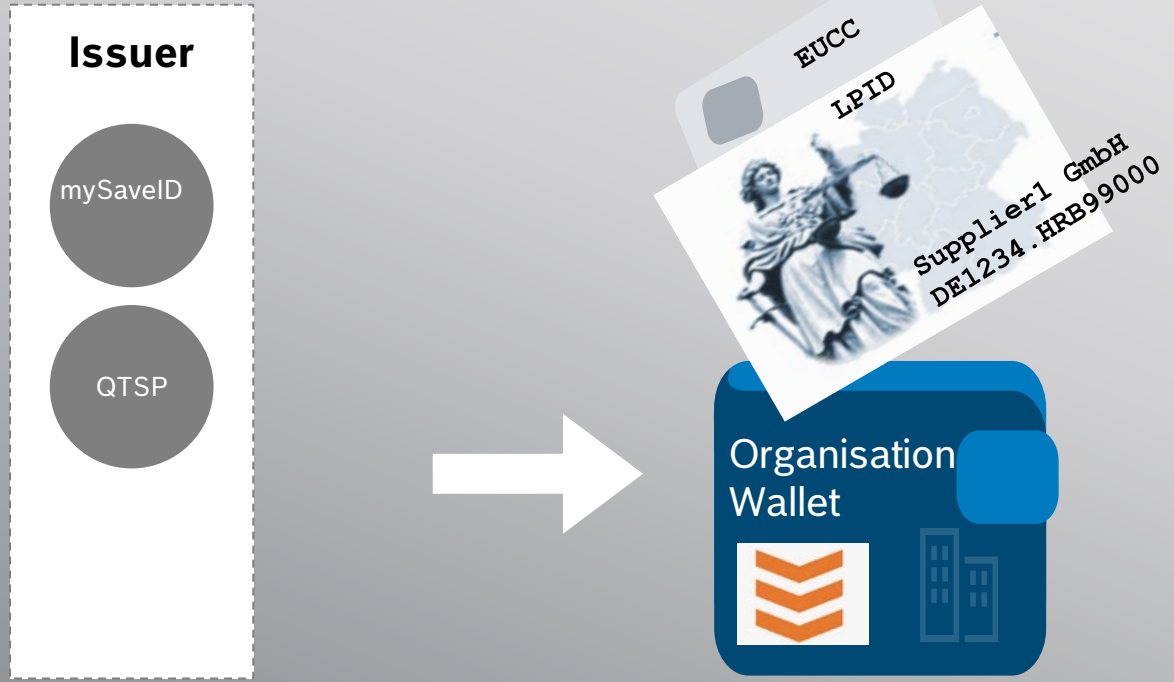
mySaveID

QTSP

© Bosch.IO GmbH 2023. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution as well as in the event of applications for industrial property rights.

Digital Identity & Wallets

Step 2: Issuing LPID/EUCC



© Bosch.IO GmbH 2023. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution as well as in the event of applications for industrial property rights.

Digital Identity & Wallets

Step 3:Company PoA (limited scope)

EAA Issuer (company)

Organisation Wallet

Trigger Company PoA Issuing

Request PID

Presents Proof

© Bosch.IO GmbH 2023. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution as well as in the event of applications for industrial property rights.

BOSCH

Digital Identity & Wallets

Step 4: Apply for supplier onboarding

Apply Supplier Onboarding (WalletAddress)

Request PID

Presents PID Proof

Request LPID & EUCC

Presents LPID & EUCC Proof

Request PoA(s)

Presents PoA Proof

Verify & Inform

Relying Party

BOSCH

Transfer

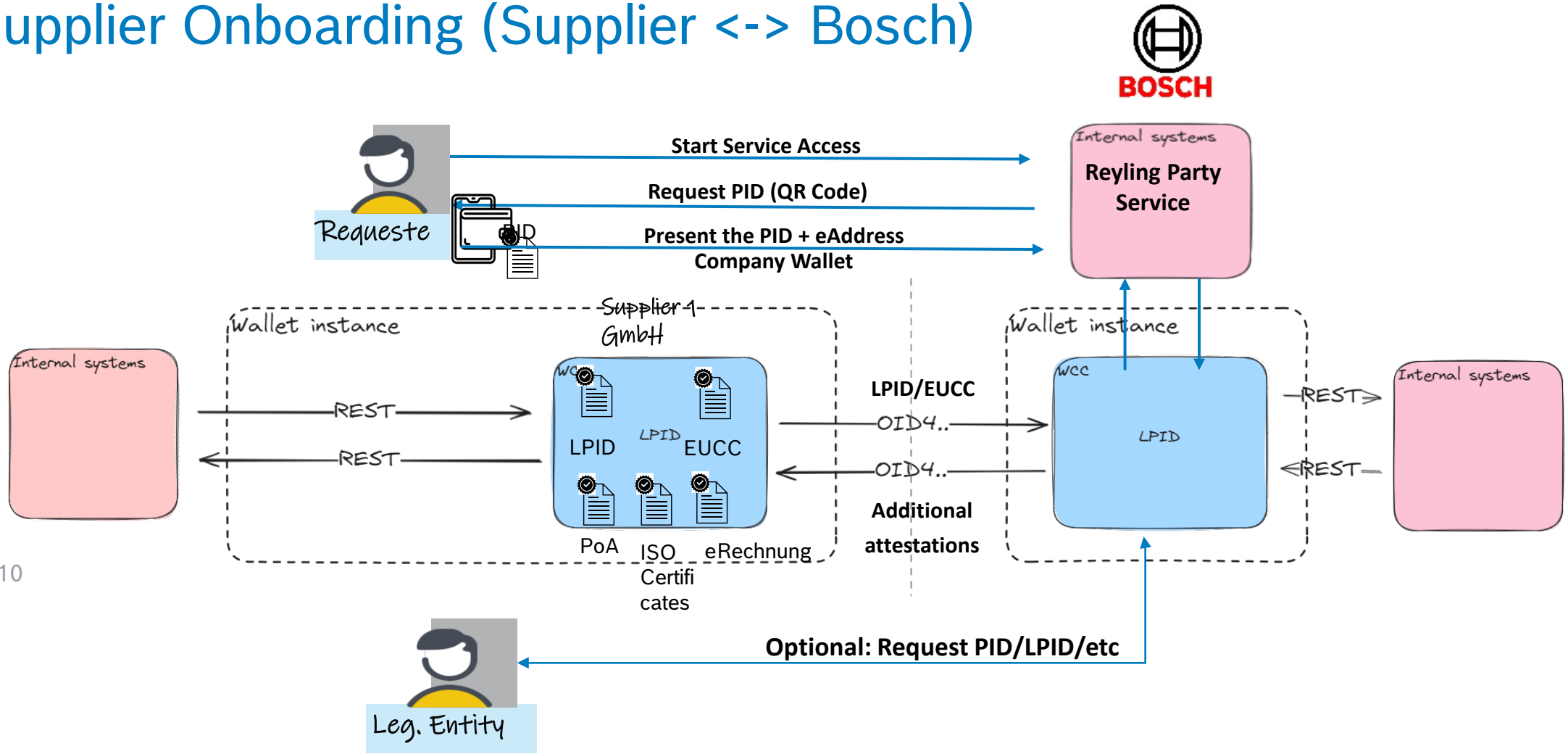
Internal Systems

© Bosch.IO GmbH 2023. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution as well as in the event of applications for industrial property rights.

BOSCH

KYS Process

Supplier Onboarding (Supplier <-> Bosch)

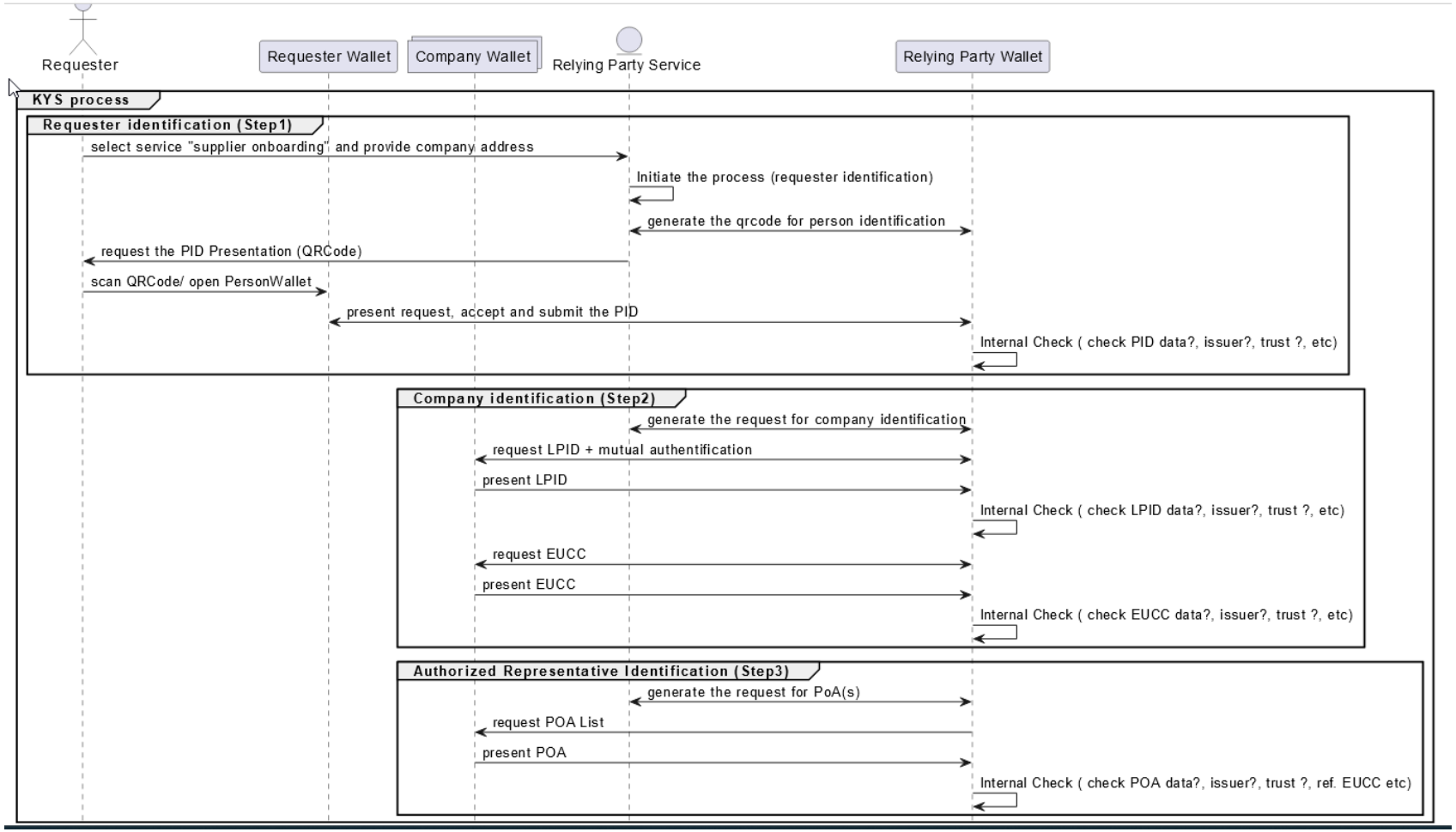


© Bosch.IO GmbH 2023. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution as well as in the event of applications for industrial property rights.

BOSCH

KYS – Overview

Step 1-3. Interaction Diagramm (wallet dance)

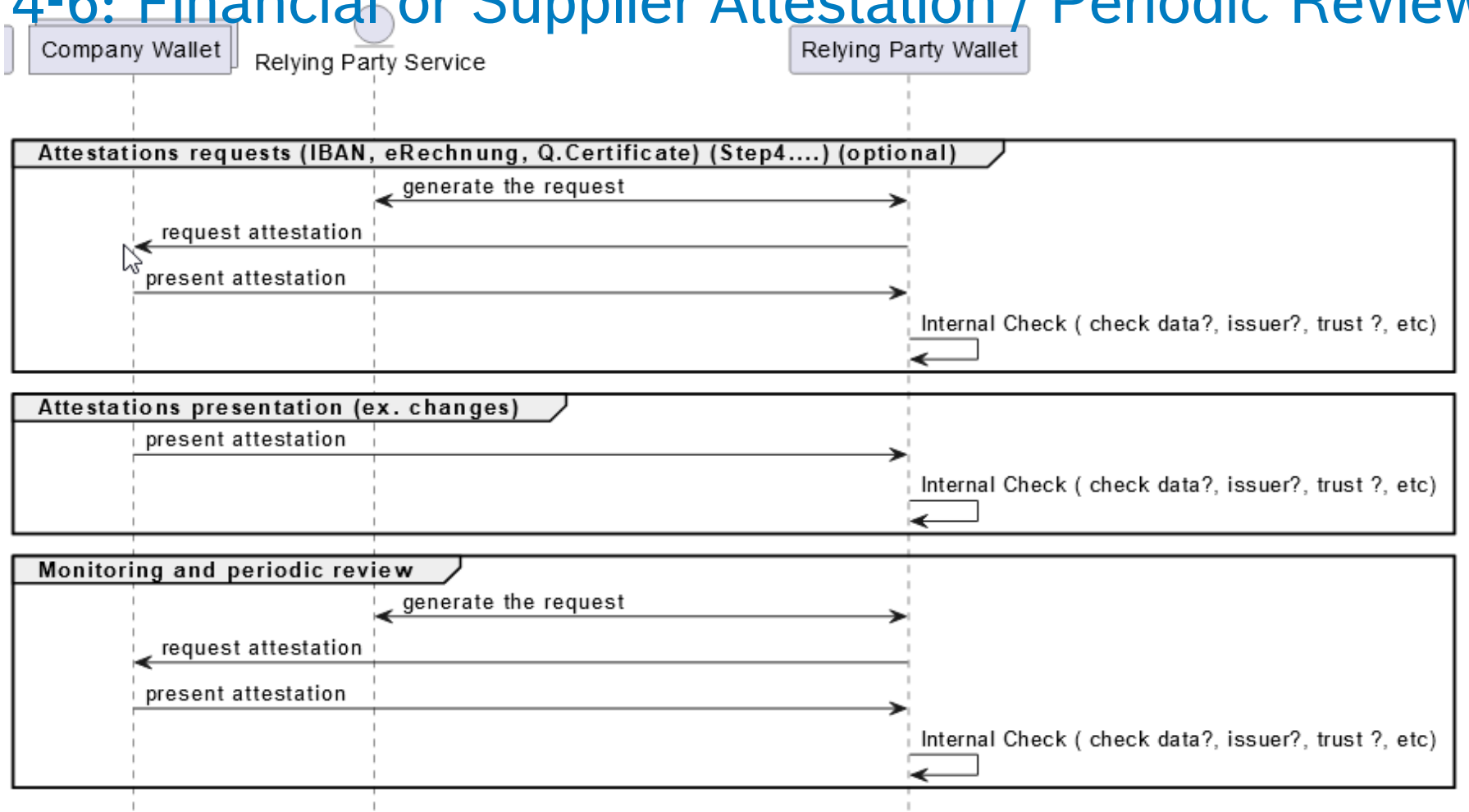


© Bosch.IO GmbH 2023. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution as well as in the event of applications for industrial property rights.

BOSCH

KYS – Overview

Steps 4-6: Financial or Supplier Attestation / Periodic Review



© Bosch.IO GmbH 2023. All rights reserved, also regarding any disposal, exploitation, reproduction, editing, distribution as well as in the event of applications for industrial property rights.