

# IoT device

## P2ABC IOT TOOLKIT

IOT SORFTWARE SMART CARD

P2ABC DELEGATING USER - API

Delegates to the P2ABC Engine User Service

P2ABC DELEGATING VERIFIER - API

Delegates to the P2ABC Engine Verifier Service.

### Example P2ABC User Process

Communicates with a Verifier Service. When it receives a P2ABC XML Message, delegates on the P2ABCE User Service, and then waits for the XML response message, which will be sent as response to the Verifier.

### Generic Process

Another process that accesses the Internet

[Private] Secure Communication Interface to Delegation Server

[External] Communication Interface

APDU Dialogue

Delegation messages

Other Internet Connections

## P2ABC ENGINE DELEGATION SERVER

P2ABC ENGINE

User Service

Verifier Service

...

P2ABC Issuance XML Messages

P2ABC Proving XML Messages

ISSUER

External Service that issues credentials to the users (the IoT devices in this case).

VERIFIER

External Service that requires users (IoT devices) to present proofs through their P2ABC credentials to access the service.