



PEPPOL

Pan-European Public Procurement On-Line

E-Signatures

Markus Ernst, PEPPOL WP1

Typical e-procurement processes where a signature is/may be requested



- Registration (eTender/eOrder)
- Catalogue (eOrder)
- Order confirmation (eOrder)
- Tender submission – in time (eTender)
- Awarding (eTender)
- Final offer confirmation (eTender)
- Contracting (eTender)
- Invoicing (eOrder/eTender)

The Public Procurement Directives



- “Directives oblige any public purchaser in the EU to effectively recognize, **receive and process tenders submitted**, if required, **with a qualified signature** and their accompanying certificates, **regardless** of their **origin within the EU** or their **technical characteristics**”
[Action plan for the implementation of the legal framework for electronic public procurement, European Commission]
- Significant differences between (qualified) signatures
 - non qualified signatures must also be considered
 - interoperability problems despite existing standards
 - obstacle to cross-border e-procurement

What means interoperability?



1. eID holder: Use the same eID for signing towards any counterpart
2. Receiver (relying party): Validate and accept signatures and eIDs from all relevant counterparts, no matter the eID issuer of the counterpart
3. Other parties: Verification of signed documents may (later) be required by parties not involved in the signing process
4. The challenge is on the receiver

Main objective of WP1:

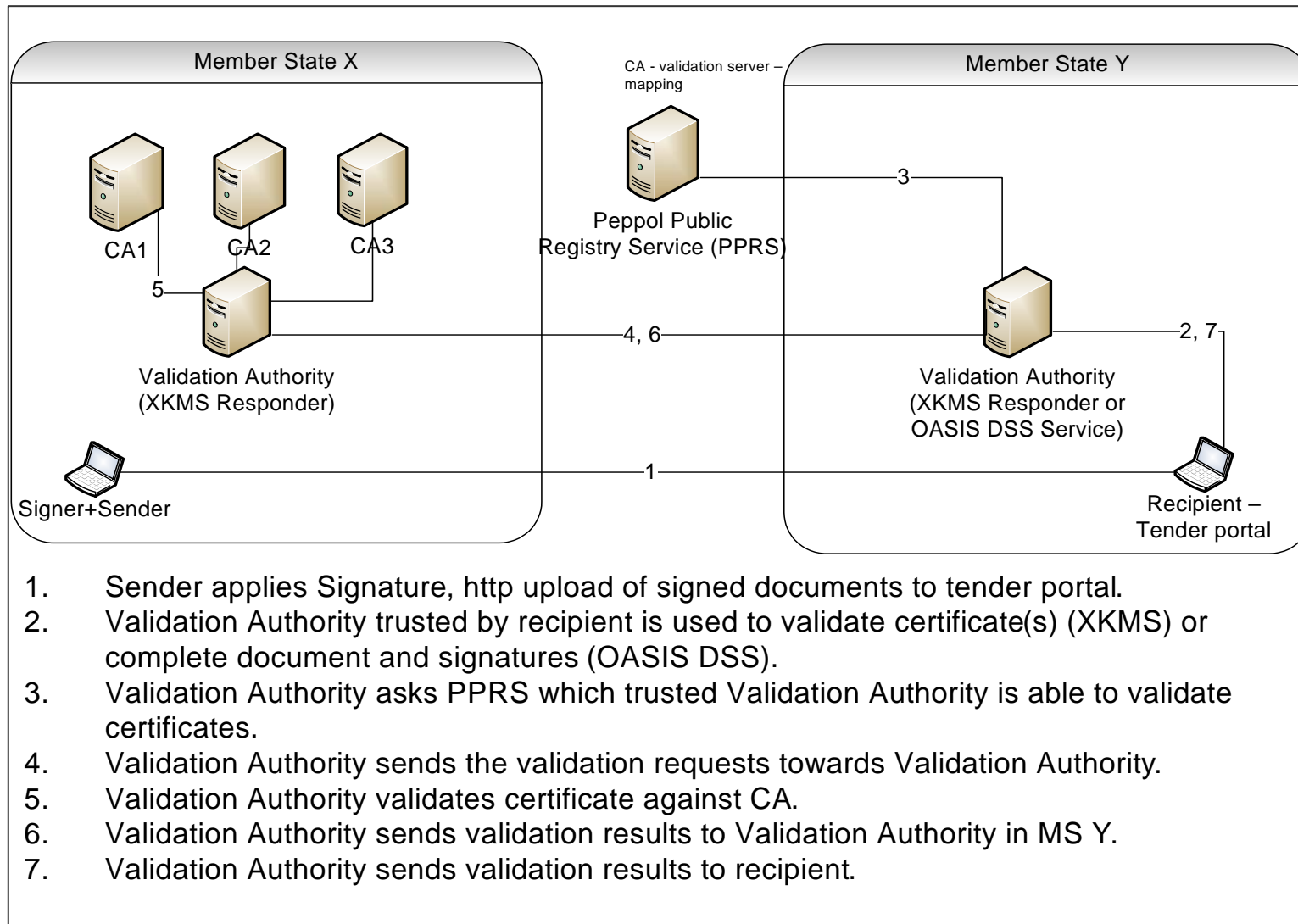
- Application-independent interoperability solution to allow the use of foreign eID signatures
- Focus: signature and eID validation, signature creation

Outcome of WP1



- Rules
 - Signature Validation Policy
 - signature formats, certificate validation process, signature validation process, quality requirements, protocols and interfaces
 - Assumptions
 - all actors sign locally with own signature creation software
 - Open Interfaces (web service based)
 - eID certificate validation
 - entire signed document validation
 - Software/Infrastructure
 - Validation authorities
 - Signature Validation Software
 - API based (libraries)
 - GUI based / stand alone software
- > Pilot

Validation Infrastructure



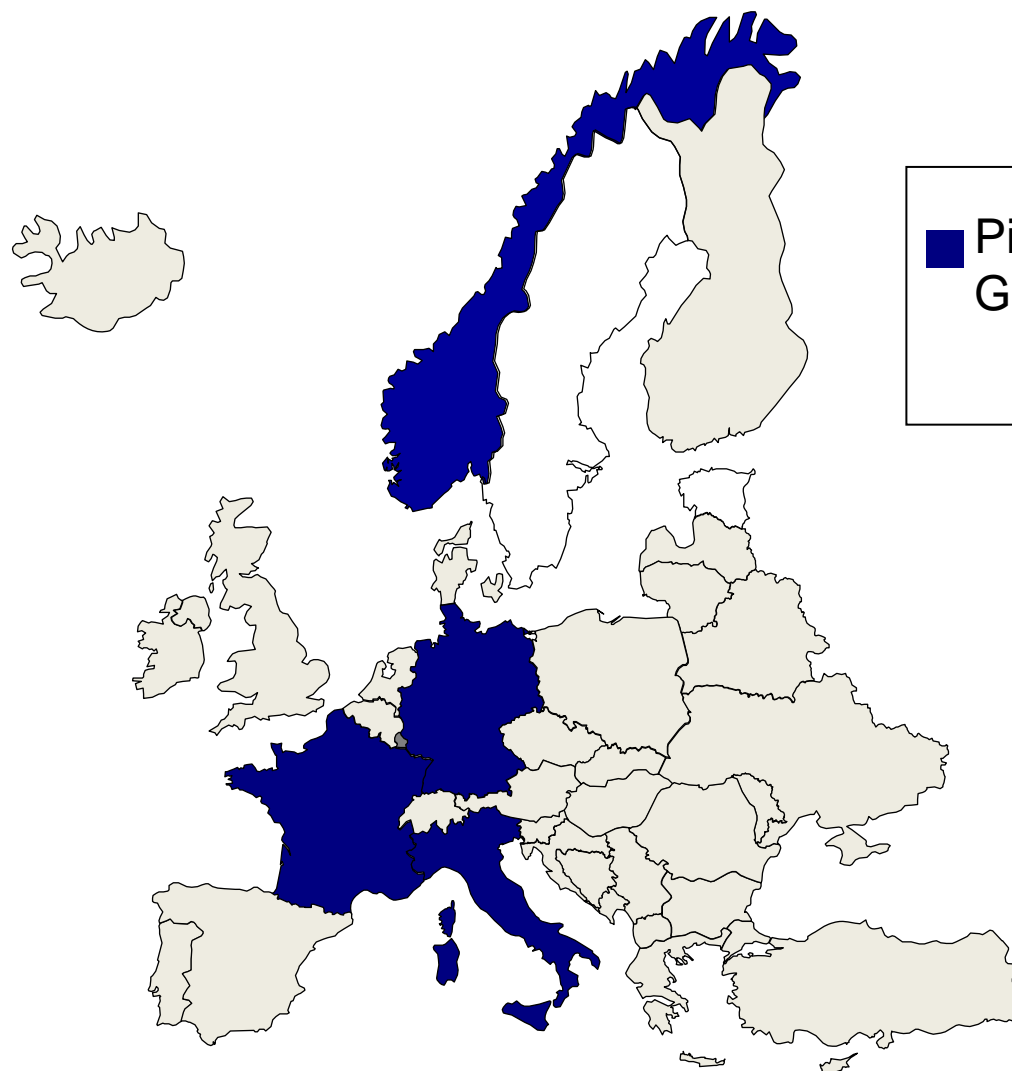
WP 1 Pilot (2)




Scope of WP1 pilots

- Show cross-border e-Procurement
- E-tendering (Humanly controlled)
 - Largely manual process
 - Information intended for human inspection
 - Protocol (at least partly) controlled by human
 - Typically PDF documents (or Word/Excel, or)
 - Must test due to Public Procurement Directive
- Automated, system to system processes
 - Main scope of Peppol and CEN/Bii

WP 1 Pilot (1)



 Pilot Member States (Norway, Germany, France, Italy)

Progress of WP1



- The specification phase is finished (rules, interfaces)
- The implementation phase has started (software/infrastructure)
- Establishing of validation infrastructure will start in 11/2009

- Thank you for your attention!
- Do you have any questions?

Contact



Further information can be obtained from the regional contact points below:

Denmark, Estonia,
Finland, Ireland, Iceland, Ireland
Lithuania, Latvia, Norway, Sweden,
UK/Scotland
please contact:
Mr. André HODDEVIK
(Project Director)
Email: andre.hoddevik@peppol.no

Austria, Czech Republic, France,
Hungary, Poland, Slovakia, Slovenia,
Switzerland and Western Balkan
please contact:
Mr. Peter SONNTAGBAUER
(Public Relation Director)
Email: peter.sonntagbauer@brz.gv.at

Bulgaria, Cyprus, Italy, Greece, Malta,
Portugal, Spain, Romania
please contact:
Mr. Giancarlo DE STEFANO
Email: giancarlo.destefano@tesoro.it

Belgium, Germany,
Luxembourg, Netherlands
please contact:
Ms. Maria A. WIMMER
Email: wimmer@uni-koblenz.de