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## **PostAward eProcurement** ICT Architecture Service Components

Version: 1.20  
Status: In Use

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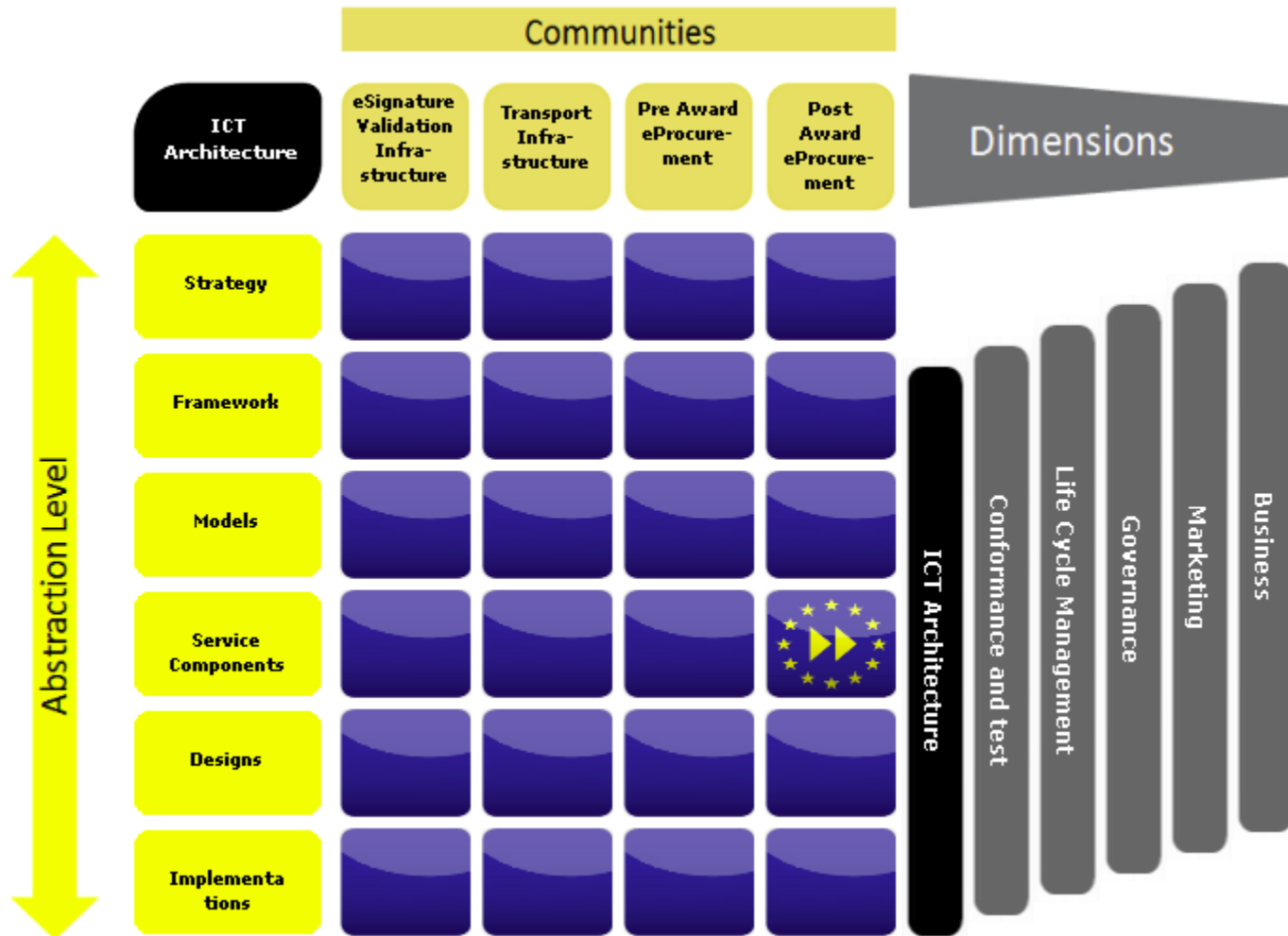
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# Revision History

Version	Date	Editor	Org	Description
1.00	15.12.2010	Klaus Vilstrup Pedersen	DIFI	First versoin
2.0	01.05.2011	Bergthor Skulason	NITA	Second version

# PEPPOL ICT Architecture view



## Building blocks enabling cross-border eProcurement

- ▶▶ Schemas – for validation of syntax UBL 2.0
- ▶▶ Schematrons – for validation of content
- ▶▶ BPEL – process collaboration specification
- ▶▶ XSLT – presentation style sheets

# Software components

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- ▶▶ Open source software components:
  - ▶▶ Validation support tools
    - ▶ Reference implementation validation service

- ▶▶ Reference implementations of BIS (specification of interoperability)
- ▶▶ Many components and software are partial implementations of BIS and could be considered part of reference implementations
  
- ▶▶ Examples:
  - ▶▶ Schemas for validation of structure
  - ▶▶ Schematron: validation rules and data model
  - ▶▶ BPEL: collaboration process
  - ▶▶ Demonstrator client: example ERP demo using above components
  - ▶▶ Validation web page: interactive use of schematrons
  - ▶▶ XSLT: presentation of content

Design of BIS Validation Components

Guideline to software and software libraries

Guideline to Library of Software to visualise different document types

SW Libraries

▶▶ Schematron for Validation of transaction data models

▶▶ Stylesheets for Document visualisation



# eProcurement without borders in Europe

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