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Signature

GUIDELINE

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1 Introduction

BII, Business Interoperability and Interchange was established to enable interoperability of procurement data.

The focus of BII is to define the specific use of electronic procurement documents domestically and between the European countries. The definition covers semantic interoperability within and between all business sectors, public and private.

This guideline is one of a series of documents describing the purpose and use of the business transactions that comprise BII.

All cardinalities shown in this document represent elements and associations at BII library level; see 'BII Information Model Architecture' for further information.

1.1 Purpose

The purpose of this guideline is to specify the use of signature.

1.2 Summary

- Signature may be used at document level in all BII documents

2 Signature classes and elements

2.1 Signature

Signature information is described in the Signature class. Associated information is described in:

1. Signatory Party
2. Digital Signature Attachment
3. Original Document Reference

3 Description

Signature describes the digital signature(s) applied to a document. A Signature should not be mistaken for or confused with a signature used for securing the transport, or with a XMLDSIG signature.

A Signature is used in a document when the business processing of the document requires it. A digital signature on an electronic document does not warrant its integrity any more than a hand written signature does on a paper document.

3.1 Specifying who signed

The signatory is specified by the use of an ID on the Signature and a description (such as the organisation name) of the Party who signed the document.

Such a Signature may be used in the recipient's business workflow. For example, a Supplier may require specific Signatures to be included in an Order for it to be processed; different Signatures may be required for specific values or Item groups.

The recipient must trust that the sender's system secures that the Signature originates from the correct person.

3.1.1 signatory example

```
<cac:Signature >
  <cbc:ID>Peter.Hansen@oioubl.dk</cbc:ID>
  <cac:SignatoryParty>
    <cac:PartyName>
      <cbc:Name>OIO fælleskøb A/S</cbc:Name>
    </cac:PartyName>
    <cac:Person>
      <cbc:FirstName>Peter</cbc:FirstName>
      <cbc:FamilyName>Hansen</cbc:FamilyName>
      <cbc:Title>Indkøbschef</cbc:Title>
    </cac:Person>
  </cac:SignatoryParty>
</cac:Signature>
```

3.2 Specifying the validator

The Signature may be validated by use of the ValidatorID, the ValidationDate and ValidationTime.

When these are specified, it should be possible to locate the original Signature at the Validator; in the example below, DoorTrade.net.

3.2.1 Validator example

```
<cac:Signature >
  <cbc:ID>Peter.Hansen@oioubl.dk</cbc:ID>
  <cbc:ValidationDate>2006-09-13</cbc:ValidationDate>
  <cbc:ValidationTime>14:20:02</cbc:ValidationTime>
  <cbc:ValidatorID>DoorTrade.net/signout</cbc:ValidatorID>
  <cac:SignatoryParty>
    <cac:PartyName>
      <cbc:Name>OIO fælleskøb A/S</cbc:Name>
    </cac:PartyName>
    <cac:Person>
      <cbc:FirstName>Peter</cbc:FirstName>
      <cbc:FamilyName>Hansen</cbc:FamilyName>
      <cbc:Title>Indkøbschef</cbc:Title>
    </cac:Person>
  </cac:SignatoryParty>
</cac:Signature>
```



```
=</cbc:EmbeddedDocumentBinaryObject>  
</cac:DigitalSignatureAttachment>  
<cac:OriginalDocumentReference>  
  <cbc:ID>A00095678</cbc:ID>  
  <cbc:CopyIndicator>>false</cbc:CopyIndicator>  
<cac:Attachment>  
  <cac:ExternalReference>  
    <cbc:URI>archieve.DoorTrade.net/signature/16356709/6E09886B-DC6E-43EE-82D1-7CCAC7F4E3B1.jpg</cbc:URI>  
  
    <cbc:DocumentHash>UxNQUFPLMnHHJU1tQ1p0dU1GUXhEUzOIUbhhGHJ  
  </cbc:DocumentHash>  
  <cbc:ExpiryDate>2011-08-13</cbc:ExpiryDate>  
</cac:ExternalReference>  
</cac:OriginalDocumentReference>  
</cac:Signature>
```