

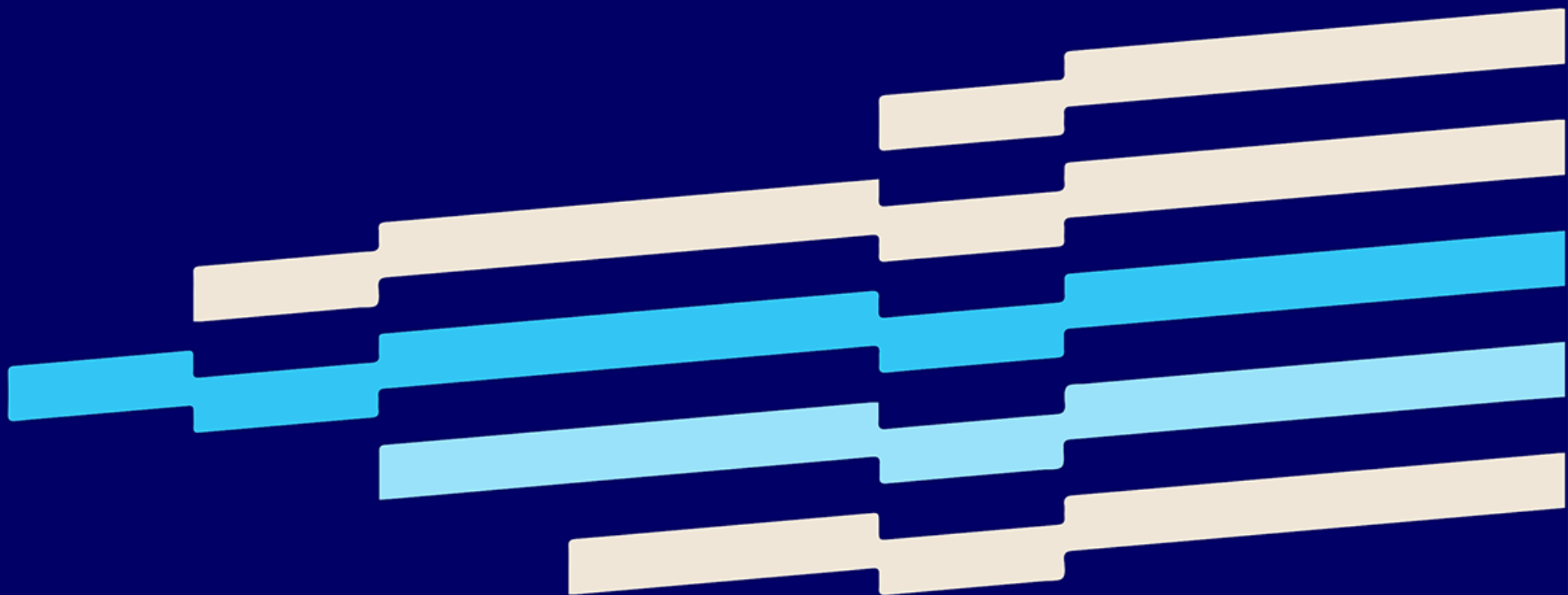


Difi

Direktoratet for
forvaltning og ikt

EHF Pre-Award Catalogue and Catalogue Request

OpenPEPPOL Meeting (PRACC),
15-16.10.19,
Jan Mærøe,
Jalini Srisgantharajah



Digital Procurement Program *

- State Budget for 2018 :
13 million annually for 7 years to Difi for
- «to improve the efficiency of public procurement by fully digitizing the procurement process»
- *The program is a key step in Meld.St.22 – chapter 16*
- *Overall guidance: "Difi facilitates and market delivers"*



16.7 Regjeringens tiltak

Regjeringen vil gjennom «Program for digitale anskaffelser» legge til rette for bruk av digitale verktøy som støtte i anskaffelsesprosessen.

For å forsterke arbeidet med programmet er det et klart mål at

- alle offentlige virksomheter tar i bruk digitale verktøy i hele anskaffelsesprosessen
- det finnes standardformater og fellesløsninger som muliggjør sømløs flyt av informasjon mellom ulike verktøy i hele anskaffelsesprosessen og på tvers av landegrensler
- alle delprosesser kan gjennomføres digitalt i alle anskaffelser
- digitalisering gir leverandørene og oppdragsgiverne lavere kostnader i gjennomføringen av offentlige anskaffelser

Digitalisering av offentlig sektor er viktig og skal bidra til å gjøre offentlig sektor mer effektiv. Utviklingen på IKT-området går raskt, og dette berører også digitaliseringen på anskaffelsesområdet. Regjeringen vil følge med på fremdriften i «Program for digitale anskaffelser» og løpende vurdere om deler av programmet kan gjennomføres raskere enn det som opprinnelig er planlagt.

Regjeringen vil:

- Ha som mål at alle offentlige virksomheter innen utgangen 2024 skal bruke digitale verktøy i hele anskaffelsesprosessen og at det skal være sømløs informasjonsflyt mellom ulike digitale løsninger.
- Vurdere om det skal stilles krav til bruk av digitale verktøy i flere delprosesser ved offentlige anskaffelser.



* Published as Difi Report 2018: 1 including revised Appendix 1 for 2019



Delivery plan EHF to make the whole procurement process digital

2019

EHF prosjekter

- 1) EHF Forespørselskatalog Q2
- 2) EHF Tilbudskatalog Q2
- 3) EHF Avansert ordre (pilotproduksjon) Q2
- 4) EHF Purring 2.0 Q2
- 5) EHF Payment Request 3.0.0 RC (Z02) Q2
- 6) EHF Fakturering 3.0 B2C, G2C Q3/Q4
- 7) EHF leverandørliste RC
- 8) EHF utsendelse av maler RC Q3/Q4
(missing UBL syntax)
- 8) EHF Egenerklæring (ESPD light) Q4
- 9) EHF post-award (iht. EHF Fakturering 3.0) Q3
 - a) EHF Ordre og ordrebekreftelse, EHF Katalog, EHF Pakkseddel, EHF Ordreforslag, EHF Punchout
- 10) EHF Regler for konkurransen *(under vurdering)* Q3/Q4
(missing UBL syntax)
- 11) EHF CV Q4/Q1 2020
(missing UBL syntax)
- 12) EHF Order request (NAV + Equinor) Q4
- 13) Støtte til statistikkprosjekt med feltdefinisjoner

2020

EHF prosjekter

- 1) EHF Spørsmål og svar Q1/Q2
(missing UBL syntax)
- 2) EHF Kvalifisering Q1/Q2
- 3) EHF Vise interesse, transport av anskaffelsesdokumenter, innlevering. Kvitteringsmeldinger og avmeldinger Q1/Q2
- 4) EHF Standardkontrakt Q1/Q2
- 5) EHF Kunngjørings skjema Q1/Q2
- 6) EHF Statistikk (forutsatt beslutning) Q1/Q2
(missing UBL syntax)
- 7) EHF Anskaffelsesprotokoll Q2/Q3
(missing UBL syntax)
- 8) EHF vare/tjeneste egenskaper Q3/Q4
- 9) Mulige PEPPOL BIS prosjekter basert på etablerte EHF
- 10) EHF ESPD 3.0 Q4
- 11) EHF Notification (KGV til Doffin, TED til KGV) Q4
- 12) EHF Notification (Doffin til TED) Q4
- 13) Etablere verkstøystøtte for prosessrammeverket Q4

2021

EHF prosjekter

- 1. EHF som støtte til bygg og anleggsprosessen
- 2. EHF videreutvikling av kataloger
- 3. EHF veiledning som understøtter sikring av meldingsinnhold
- 4. EHF som støtter god kontraktsforvaltning
- 5. Videreutvikling og utrulling av prosessrammeverket

The goal is to provide structured content so CA and EO can use their own system



Governance according to EHF governance process



Public sector need to reduce time spent both for themselves and suppliers

Contracting Authority



- ✓ I have to express my need in a generic way
- ✓ I want to have absolute requirements and I must guide suppliers to meet the requirements and prove them
- ✓ I want to include evaluation criteria's to let the suppliers compete and develop and give guidance on how to prove their skills
- ✓ I want to use a standardize format used by suppliers in their own system
- ✓ I want to let my system evaluate my requirements and evaluation criteria's without forcing suppliers to give input directly into my system
- ✓ I have a need to communicate with suppliers without using mail

Economic Operator



- ✓ To increase my business opportunities I have to reuse information and work in my own system to answer more tenders on different platforms
- ✓ I have to be able to document product or services without gather and upload PDF or fill out different forms in different CA platforms
- ✓ I don't want to document proof to requirements CA demands using pdf. I want them to check in their own databases if they have the evidences or retrieve it from my database
- ✓ I want to deliver tenders in many Europeans countries in the same way using my own system



Pre-award requirements for products and services implemented in post-award- contract management

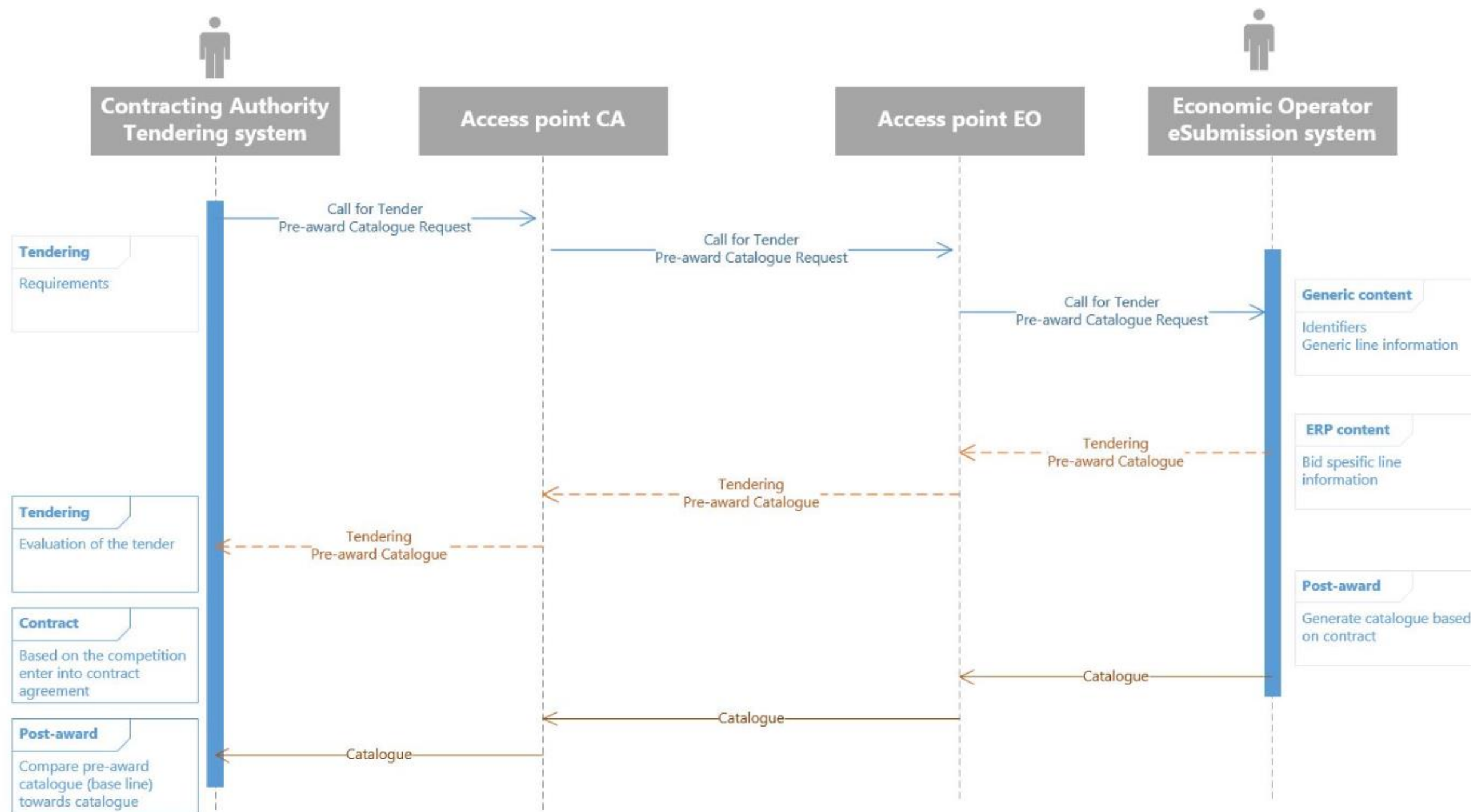
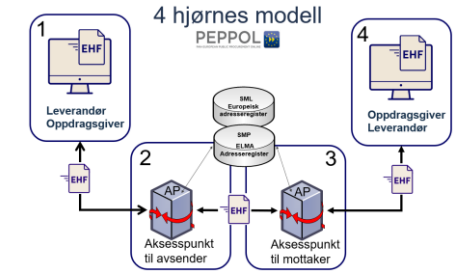
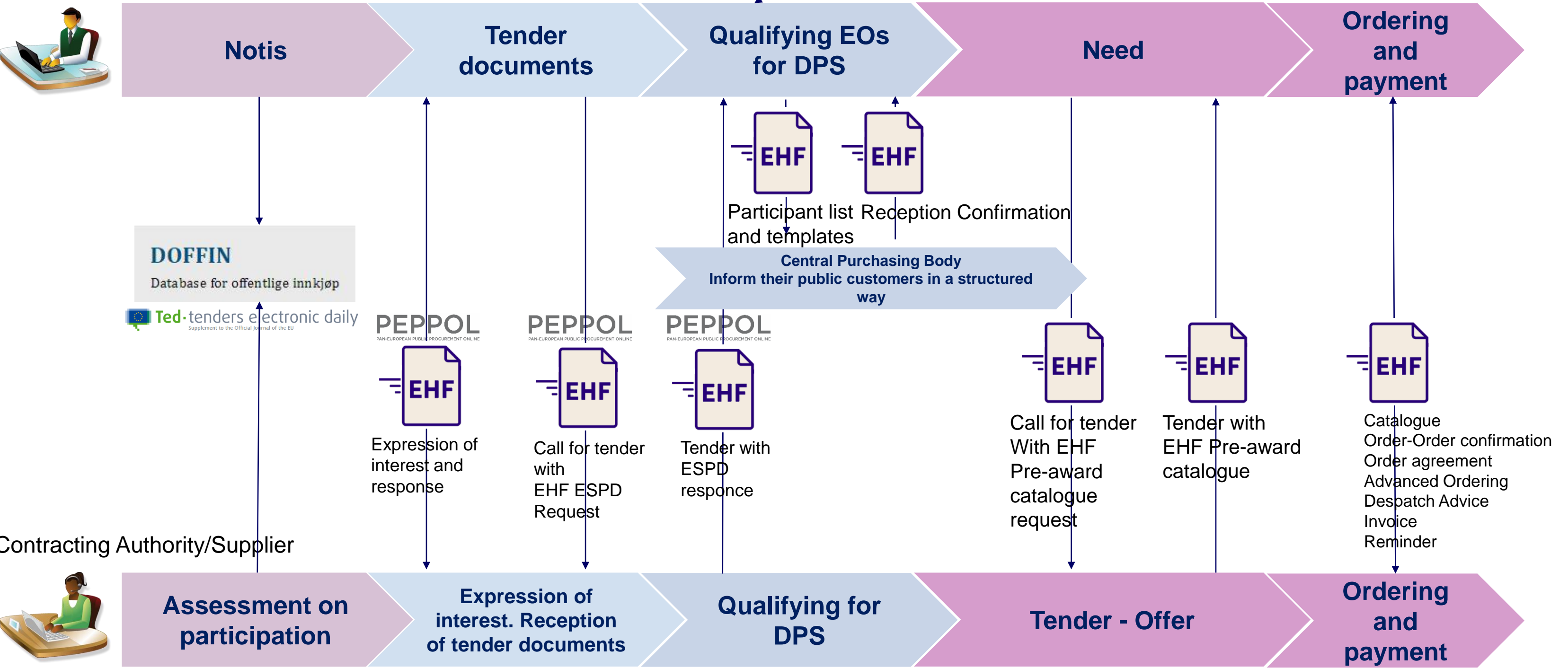
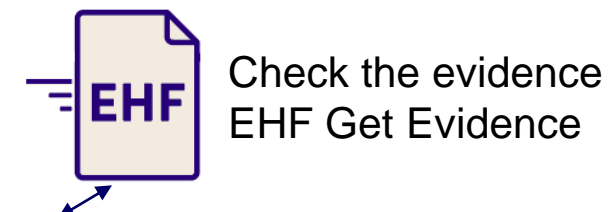


Figure 1. Diagram for the catalogue processes.

DPS pilot using catalogue to express needs and to receive machine readable content



Contracting Authority /Central Purchasing body





Technical Aspects

- Focus on *selected parts* of the information contents of the EHF Pre-Award Catalogue and EHF Pre-Award Catalogue Request.
- <https://test-vefa.difi.no/ehf-pre/g2/pacr/>

Commodity Classification

Pre-Award Catalogue and Catalogue Request

```
<cac:CommodityClassification>  
  <cbc:ItemClassificationCode listID="MP"  
listName="UNSPSC">14111511</cbc:ItemClassificationCode>  
</cac:CommodityClassification>
```

UNSPSC

Code list for listID:
UCL7143 Item type
identification code

```
<cac:CommodityClassification>  
  <cbc:ItemClassificationCode listID="STI"  
listName="CPV">230498234</cbc:ItemClassificationCode> ①  
</cac:CommodityClassification>
```

CPV

Prices

Pre-Award Catalogue Request

1. Maximum Price
2. Minimum Price

```
<cac:RequiredItemLocationQuantity>  
  <cac:Price>  
    <cbc:PriceAmount currencyID="NOK">5000</cbc:PriceAmount>  
    <cbc:PriceTypeCode>NE</cbc:PriceTypeCode> ①  
  </cac:Price>  
</cac:RequiredItemLocationQuantity>  
<cac:RequiredItemLocationQuantity>  
  <cac:Price>  
    <cbc:PriceAmount currencyID="NOK">2500</cbc:PriceAmount>  
    <cbc:PriceTypeCode>ABG</cbc:PriceTypeCode> ②  
  </cac:Price>  
</cac:RequiredItemLocationQuantity>
```

cbc:PriceTypeCode

Mandatory

Code list:

UNCL5387

Catalogue request price
specification code

ABG

Minimum price

NE

Maximum price

Prices

Pre-Award Catalogue

1. Item price
2. Item comparison unit price
3. Conditional price

1.

```
<cac:RequiredItemLocationQuantity>  
  <cac:Price>  
    <cbc:PriceAmount currencyID="NOK">3000.00</cbc:PriceAmount>  
  </cac:Price>  
</cac:RequiredItemLocationQuantity>
```

2.

```
<cac:ItemComparison>  
  <cbc:PriceAmount currencyID="NOK">270.00</cbc:PriceAmount>  
  <cbc:Quantity unitCode="EA">10</cbc:Quantity>  
</cac:ItemComparison>
```

3.

```
<cac:RequiredItemLocationQuantity>  
  <cac:Price>  
    <cbc:PriceAmount currencyID="NOK">29.00</cbc:PriceAmount>  
  </cac:Price>  
</cac:RequiredItemLocationQuantity>
```

Validity Period

Pre-Award Catalogue Request

1. Line level

```
<cac:CatalogueRequestLine>

  <cbc:ID>1</cbc:ID>
  <cac:LineValidityPeriod>
    <cbc:StartDate>2018-10-11</cbc:StartDate>
    <cbc:EndDate>2018-10-13</cbc:EndDate>
    <cbc:DescriptionCode>69</cbc:DescriptionCode>
    ①
  </cac:LineValidityPeriod>

  <!-- Code omitted for clarity -->

<cac:CatalogueRequestLine>
  <cbc:ID>2</cbc:ID>
  <cac:LineValidityPeriod>
    <cbc:StartDate>2018-10-25</cbc:StartDate>
    <cbc:EndDate>2018-10-27</cbc:EndDate>
    <cbc:DescriptionCode>120</cbc:DescriptionCode>
    ②
  </cac:LineValidityPeriod>
</cac:CatalogueRequestLine>
```

cbc:DescriptionCode
Mandatory

Codelist:
UNCL4405
Status description
code

120
Alternative

69
Recommended



Validity Period

Pre-Award Catalogue

1. Document Level – Mandatory
2. Line level
3. Validity period for a given price

1.

```
<cac:ValidityPeriod>  
  <cbc:StartDate>2018-11-20</cbc:StartDate>  
  <cbc:EndDate>2018-12-30</cbc:EndDate>  
</cac:ValidityPeriod>
```

3.

```
<cac:RequiredItemLocationQuantity>  
  <cac:Price>  
    <cbc:PriceAmount currencyID="NOK">75.00</cbc:PriceAmount>  
    <cbc:PriceTypeCode>NE</cbc:PriceTypeCode>  
    <cac:ValidityPeriod>  
      <cbc:StartDate>2018-11-20</cbc:StartDate>  
      <cbc:EndDate>2018-11-30</cbc:EndDate>  
    </cac:ValidityPeriod>  
  
    <cac:ValidityPeriod>  
      <cbc:StartDate>2018-12-01</cbc:StartDate>  
      <cbc:EndDate>2018-12-10</cbc:EndDate>  
    </cac:ValidityPeriod>  
  </cac:Price>  
</cac:RequiredItemLocationQuantity>
```

2.

```
<cac:LineValidityPeriod>  
  <cbc:StartDate>2018-11-20</cbc:StartDate>  
  <cbc:EndDate>2018-12-15</cbc:EndDate>  
</cac:LineValidityPeriod>
```

Additional Item Property Pre-Award Catalogue Request

```
<cac:AdditionalItemProperty>  
  <cbc:ID>2</cbc:ID>  
  <cbc:Name>Item net quantity</cbc:Name> ①  
  <cac:ItemPropertyRange>  
    <cbc:MinimumValue>1 liter</cbc:MinimumValue> ②  
    <cbc:MaximumValue>1,75 liters</cbc:MaximumValue> ③  
  </cac:ItemPropertyRange>  
  <cbc:ImportanceCode>0</cbc:ImportanceCode> ④  
</cac:AdditionalItemProperty>
```

Relevance Code:

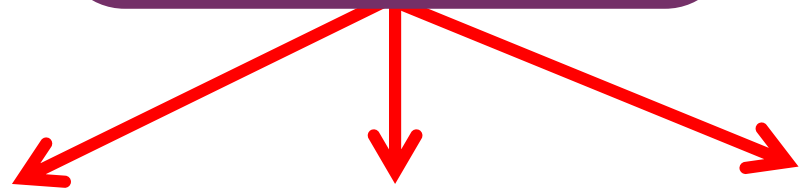


cbc:ImportanceCode

Item Property Range:
- Min. Value
- Max. Value

ImportanceCode, Mandatory

Codelist:
Information request
relevance



O
Optional

F
Forbidden

E
Evaluation



Sweden:
M = Mandatory, no answer.
MA = Mandatory, answer.
E = Evaluation
EA = Evaluation of the answer

Additional Item Property Pre-Award Catalogue

Nutrition

```
<cac:AdditionalItemProperty>  
  <cbc:ID>1</cbc:ID>  
  <cbc:Name>NutritionProtein</cbc:Name>  
  <cbc:Value>Nutrition</cbc:Value>  
  <cbc:ValueQuantity unitCode="GRM">2.5</cbc:ValueQuantity>  
  <cbc:ValueQualifier>Nutrition</cbc:ValueQualifier>  
</cac:AdditionalItemProperty>
```

Allergens

```
<cac:AdditionalItemProperty>  
  <cbc:Name>Allergens</cbc:Name>  
  <cbc:Value>Item contains 5% hazelnuts by volume.</cbc:Value>  
  <cbc:ValueQuantity unitCode="60">5</cbc:ValueQuantity>  
  <cbc:ValueQualifier>HAZELNUTS</cbc:ValueQualifier>  
</cac:AdditionalItemProperty>
```

Genetically modified

```
<cac:AdditionalItemProperty>  
  <cbc:Name>GeneticallyModified</cbc:Name>  
  <cbc:Value>True</cbc:Value>  
</cac:AdditionalItemProperty>
```

- Identifier
- Name
- Value
- Value Quantity
- Value Qualifier- free text description of the value

Code list:

UN/ECE
Recommendation 20,
including Rec. 21

Additional Item Property

Pre-Award Catalogue Request

```
<cac:AdditionalItemProperty>  
  <cbc:ID>1</cbc:ID> ①  
  <cbc:Name>Fat</cbc:Name> ②  
  <cbc:ValueQuantity unitCode="P1">3</cbc:ValueQuantity> ③  
  <cbc:ValueQualifier>Proportion of fat</cbc:ValueQualifier>  
</cac:AdditionalItemProperty>
```

④

Pre-Award Catalogue

```
<cac:AdditionalItemProperty>  
  <cbc:ID>1</cbc:ID>  
  <cbc:Name>Fat</cbc:Name>  
  <cbc:Value>Proportion of fat</cbc:Value>  
  <cbc:ValueQuantity unitCode="P1">3</cbc:ValueQuantity>  
</cac:AdditionalItemProperty>
```

Same «ID» and «Name»

Pre-Award Catalogue Request

```
<cac:AdditionalItemProperty>
  <cbc:ID>2</cbc:ID>
  <cbc:Name>Item net quantity</cbc:Name> ①
  <cac:ItemPropertyRange>
    <cbc:MinimumValue>1 liter</cbc:MinimumValue> ②
    <cbc:MaximumValue>1,75 liters</cbc:MaximumValue> ③
  </cac:ItemPropertyRange>
  <cbc:ImportanceCode>0</cbc:ImportanceCode> ④
</cac:AdditionalItemProperty>
```



Pre-Award Catalogue

```
<cac:CatalogueLine>
  <cbc:ID>1</cbc:ID>
  <cbc:OrderableIndicator>true</cbc:OrderableIndicator>
  <cbc:OrderableUnit>XCT</cbc:OrderableUnit>
  <cbc:ContentUnitQuantity unitCode="LTR">1.50</cbc:ContentUnitQuantity> ①
  <!-- ... -->
```

Environment, Social and Innovative Requirements



«...
With today's emissions levels, our
remaining CO2 budget will be gone in
less than 8.5 years.
... »

Greta Thunberg

Environment, Social and Innovative Requirements

Article 43

Labels

1. Where contracting authorities intend to purchase works, supplies or services with specific environmental, social or other characteristics they may, in the technical specifications, the award criteria or the contract performance conditions, require a specific label as means of proof that the works, services or supplies correspond to the required characteristics, provided that all of the following conditions are fulfilled:

- (a) the label requirements only concern criteria which are linked to the subject-matter of the contract and are appropriate to define characteristics of the works, supplies or services that are the subject-matter of the contract;
- (b) the label requirements are based on objectively verifiable and non-discriminatory criteria;
- (c) the labels are established in an open and transparent procedure in which all relevant stakeholders, including government bodies, consumers, social partners, manufac-

Article 44

Test reports, certification and other means of proof

1. Contracting authorities may require that economic operators provide a test report from a conformity assessment body or a certificate issued by such a body as means of proof of conformity with requirements or criteria set out in the technical specifications, the award criteria or the contract performance conditions.

Where contracting authorities require the submission of certificates drawn up by a specific conformity assessment body, certificates from equivalent other conformity assessment bodies shall also be accepted by the contracting authorities.

For the purpose of this paragraph, a conformity assessment body shall be a body that performs conformity assessment activities including calibration, testing, certification and inspection accredited in accordance with Regulation (EC) No 765/2008 of the European Parliament and of the Council ⁽¹⁾.

Pre- Award Catalogue Request

Content

- Sequence [1..1]

- ➔ 1. `cbc:ID` [1..1] *An identifier for this certificate.*
- ➔ 2. `cbc:CertificateTypeCode` [1..1] *The type of this certificate, expressed as a code. The type specifies what array it belongs to, e.g.. Environmental, security, health improvement etc.*
- ➔ 3. `cbc:CertificateType` [1..1] *The type of this certificate, expressed as a code. The type specifies what array it belongs to, e.g.. Environmental, security, health improvement etc.*
- ➔ 4. `cbc:Remarks` [0..*] *Remarks by the applicant for this certificate.*
- ➔ 5. `cac:IssuerParty` [1..1] *The authorized organization that issued this certificate, the provider of the certificate.*
- ➔ 6. `cac:DocumentReference` [0..*] *A reference to a document relevant to this certificate or an application for this certificate.*
- 7. `cac:Signature` [0..*] *A signature applied to this certificate.*

Pre- Award Catalogue

Content

- Sequence [1..1]

- ➔ 1. `cbc:ID` [1..1] *An identifier for this certificate.*
- ➔ 2. `cbc:CertificateTypeCode` [1..1] *The type of this certificate, expressed as a code. The type specifies what array it belongs to, e.g.. Environmental, security, health improvement etc.*
- ➔ 3. `cbc:CertificateType` [1..1] *The type of this certificate, expressed as a code. The type specifies what array it belongs to, e.g.. Environmental, security, health improvement etc.*
- ➔ 4. `cbc:Remarks` [0..*] *Remarks by the applicant for this certificate.*
- ➔ 5. `cac:IssuerParty` [1..1] *The authorized organization that issued this certificate, the provider of the certificate.*
- ➔ 6. `cac:DocumentReference` [0..*] *A reference to a document relevant to this certificate or an application for this certificate.*
- 7. `cac:Signature` [0..*] *A signature applied to this certificate.*

Pre-Award Catalogue Request cac:DocumentReference

- Sequence [1..1]
 - 1. cbc:ID [1..1] *An identifier for the referenced document.*
 - 2. cbc:CopyIndicator [0..1] *An indicator that the referenced document is a copy (true) or the original (false).*
 - 3. cbc:UUID [0..1] *A universally unique identifier for this document reference.*
 - 4. cbc:IssueDate [0..1] *The date, assigned by the sender of the referenced document, on which the document was issued.*
 - 5. cbc:IssueTime [0..1] *The time, assigned by the sender of the referenced document, at which the document was issued.*
 - 6. cbc:DocumentTypeCode [0..1] *The type of document being referenced, expressed as a code.*
 - 7. cbc:DocumentType [0..1] *The type of document being referenced, expressed as text.*
 - 8. cbc:XPath [0..*] *A reference to another place in the same XML document instance in which DocumentReference appears.*
 - 9. cbc:LanguageID [0..1] *An identifier for the language used in the referenced document.*
 - 10. cbc:LocaleCode [0..1] *A code signifying the locale in which the language in the referenced document is used.*
 - 11. cbc:VersionID [0..1] *An identifier for the current version of the referenced document.*
 - 12. cbc:DocumentStatusCode [0..1] *A code signifying the status of the reference document with respect to its original state.*
 - 13. cbc:DocumentDescription [0..*] *Text describing the referenced document.*
 - 14. cac:Attachment [0..1] *The referenced document as an attachment to the document from which it is referenced.*
 - 15. cac:ValidityPeriod [0..1] *The period for which this document reference is valid.*
 - 16. cac:IssuerParty [0..1] *The party who issued the referenced document.*
 - 17. cac:ResultOfVerification [0..1] *The result of an attempt to verify a signature associated with the referenced document.*

Pre-Award Catalogue cac:DocumentReference

- Sequence [1..1]
 - 1. cbc:ID [1..1] *An identifier for the referenced document.*
 - 2. cbc:CopyIndicator [0..1] *An indicator that the referenced document is a copy (true) or the original (false).*
 - 3. cbc:UUID [0..1] *A universally unique identifier for this document reference.*
 - 4. cbc:IssueDate [0..1] *The date, assigned by the sender of the referenced document, on which the document was issued.*
 - 5. cbc:IssueTime [0..1] *The time, assigned by the sender of the referenced document, at which the document was issued.*
 - 6. cbc:DocumentTypeCode [0..1] *The type of document being referenced, expressed as a code.*
 - 7. cbc:DocumentType [0..1] *The type of document being referenced, expressed as text.*
 - 8. cbc:XPath [0..*] *A reference to another place in the same XML document instance in which DocumentReference appears.*
 - 9. cbc:LanguageID [0..1] *An identifier for the language used in the referenced document.*
 - 10. cbc:LocaleCode [0..1] *A code signifying the locale in which the language in the referenced document is used.*
 - 11. cbc:VersionID [0..1] *An identifier for the current version of the referenced document.*
 - 12. cbc:DocumentStatusCode [0..1] *A code signifying the status of the reference document with respect to its original state.*
 - 13. cbc:DocumentDescription [0..*] *Text describing the referenced document.*
 - 14. cac:Attachment [0..1] *The referenced document as an attachment to the document from which it is referenced.*
 - 15. cac:ValidityPeriod [0..1] *The period for which this document reference is valid.*
 - 16. cac:IssuerParty [0..1] *The party who issued the referenced document.*
 - 17. cac:ResultOfVerification [0..1] *The result of an attempt to verify a signature associated with the referenced document.*

Environment, Social and Innovative Requirements

Pre-Award Catalogue Request

- Main level requirement
- Specific requirement
- Issuer party
- The requirement is absolute or award
 - Codelist
- The means of proof level (Type of Evidence)
- Catalogue policy relevant requirement
- Reference to the specification of the suggested means

Minimum energy performance the

- F
- E
- pro
-

Art. 44:

- Type 1
- Type 2
- Type 3
- Certification
- Test report
- Other
- No proof

- Green Requirement
- Social Requirement
- Innovative Requirement



Environment, Social and Innovative Requirements – Catalogue Request

```
<cac:Certificate>
  <cbc:ID>1</cbc:ID>
  <cbc:CertificateTypeCode>Energy consumption</cbc:CertificateTypeCode>①
  <cbc:CertificateType>EU GPP Criteria - Minimum energy performance of the
    computer.</cbc:CertificateType>②
  <cbc:Remarks>Absolute</cbc:Remarks>③
  <cac:IssuerParty>
    <cac:PartyName>
      <cbc:Name>NA</cbc:Name>
    </cac:PartyName>
  </cac:IssuerParty>
  <cac:DocumentReference>
    <cbc:ID>1</cbc:ID>
    <cbc:DocumentTypeCode>Type1</cbc:DocumentTypeCode>④
    <cbc:DocumentType>Green</cbc:DocumentType>⑤
    <cac:Attachment>
      <cac:ExternalReference>
        <cbc:URI>http://www.eu-energystar.org/specifications.htm</cbc:URI>⑥
      </cac:ExternalReference>
    </cac:Attachment>
  </cac:DocumentReference>
</cac:Certificate>
```

1. Main level requirement
2. Specific requirement
3. Absolute or award criteria
4. The means of proof
(Evidence type)
5. Policy relevant requirement
6. Reference to the
specification

Environment, Social and Innovative Requirements

Catalogue

- Identifier- must be the same as catalogue request.
- Reference to the general requirement
- Reference to the specific requirement
- Issuer party
- Means of proof level provided
- Specific means of proof details
- Description of the means of proof.
- Attachment with link to the specification.



Environment, Social and Innovative Requirements – Catalogue

```
<cac:Certificate>
  <cbc:ID>1</cbc:ID> ①
  <cbc:CertificateTypeCode>Energy consumption</cbc:CertificateTypeCode> ②
  <cbc:CertificateType>EU GPP Criteria - Minimum energy performance of the computer.
</cbc:CertificateType> ③
  <cac:IssuerParty>
    <cac:PartyName>
      <cbc:Name>NA</cbc:Name>
    </cac:PartyName>
  </cac:IssuerParty>
  <cac:DocumentReference>
    <cbc:ID>1</cbc:ID>
    <cbc:DocumentTypeCode>TestReport</cbc:DocumentTypeCode> ④
    <cbc:DocumentType>EU Energy Star</cbc:DocumentType> ⑤
    <cbc:DocumentDescription>Registered in Energy Star database</cbc:DocumentDescription> ⑥
    <cac:Attachment>
      <cac:ExternalReference>
        <cbc:URI>http://www.eu-energystar.org/database-register.htm</cbc:URI> ⑦
      </cac:ExternalReference>
    </cac:Attachment>
  </cac:DocumentReference>
</cac:Certificate>
```

1. Identifier
2. Main level requirement
3. Specific requirement
4. Provided means of proof
5. The name of the specific item means of proof
6. Description of the means of proof
7. Attachment – URI

Pre-Award Catalogue Request

```
<cac:Certificate>
  <cbc:ID>1</cbc:ID>
  <cbc:CertificateTypeCode>Energy consumption</cbc:CertificateTypeCode>
  <cbc:CertificateType>EU GPP Criteria - Minimum energy performance of the
    computer.</cbc:CertificateType>
  <cbc:Remarks>Absolute</cbc:Remarks>
  <cac:IssuerParty>
    <cac:PartyName>
      <cbc:Name>NA</cbc:Name>
    </cac:PartyName>
  </cac:IssuerParty>
  <cac:DocumentReference>
    <cbc:ID>1</cbc:ID>
    <cbc:DocumentTypeCode>Type1</cbc:DocumentTypeCode>
    <cbc:DocumentType>Green</cbc:DocumentType>
    <cac:Attachment>
      <cac:ExternalReference>
        <cbc:URI>http://www.eu-energystar.org/specifications.htm</cbc:URI>
      </cac:ExternalReference>
    </cac:Attachment>
  </cac:DocumentReference>
</cac:Certificate>
```

Pre-Award Catalogue

```
<cac:Certificate>
  <cbc:ID>1</cbc:ID>
  <cbc:CertificateTypeCode>Energy consumption</cbc:CertificateTypeCode>
  <cbc:CertificateType>EU GPP Criteria - Minimum energy performance of the
    computer.</cbc:CertificateType>
  <cac:IssuerParty>
    <cac:PartyName>
      <cbc:Name>NA</cbc:Name>
    </cac:PartyName>
  </cac:IssuerParty>
  <cac:DocumentReference>
    <cbc:ID>1</cbc:ID>
    <cbc:DocumentTypeCode>TestReport</cbc:DocumentTypeCode>
    <cbc:DocumentType>EU Energy Star</cbc:DocumentType>
    <cbc:DocumentDescription>Registered in Energy Star database</cbc:DocumentDescription>
    <cac:Attachment>
      <cac:ExternalReference>
        <cbc:URI>http://www.eu-energystar.org/database-register.htm</cbc:URI>
      </cac:ExternalReference>
    </cac:Attachment>
  </cac:DocumentReference>
</cac:Certificate>
```

Contracting authorities requiring a specific label shall accept all labels that confirm that the works, supplies or services meet **equivalent** label requirements.

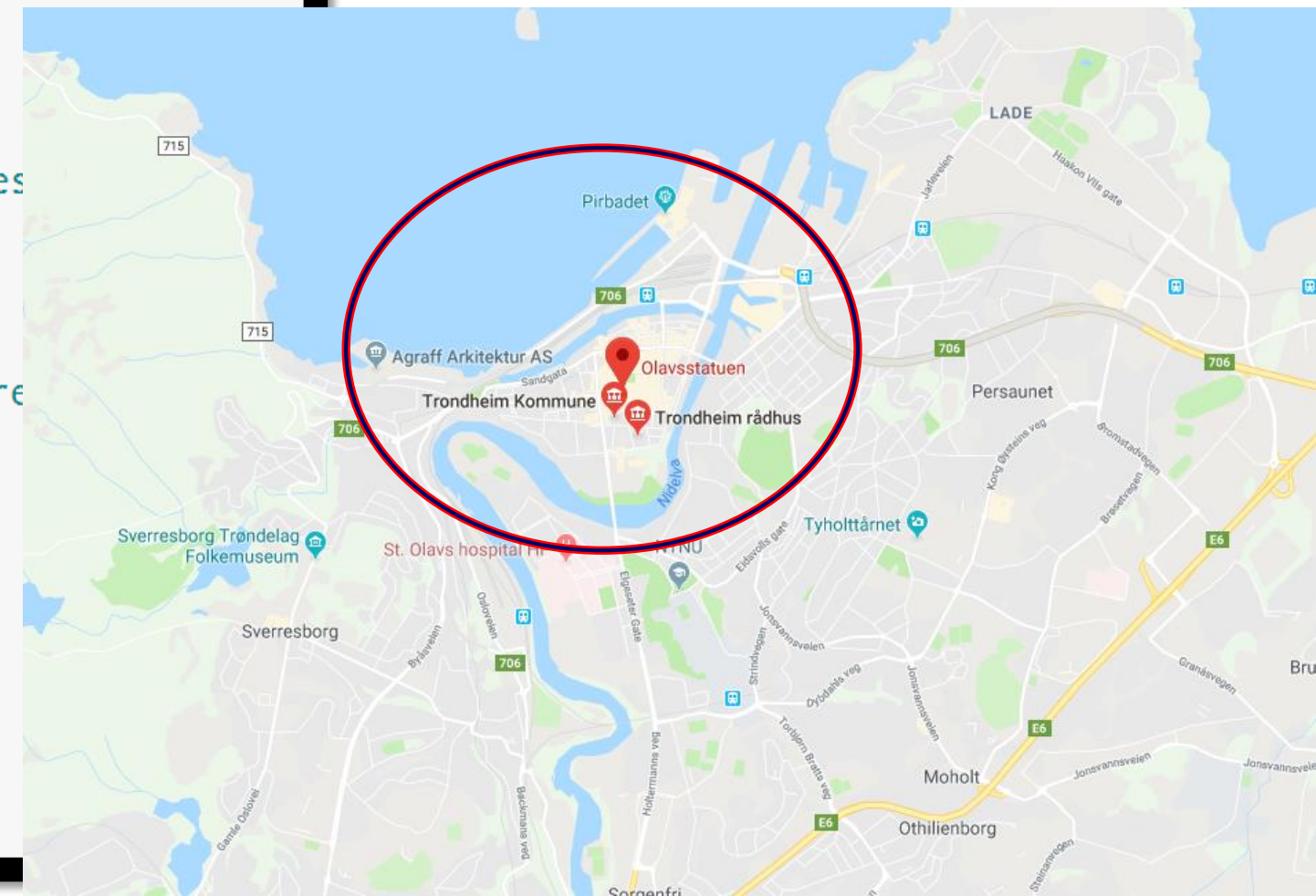
Delivery location coordinate

Pre-Award Catalogue Request

```
<ext:UBLExtensions>
  <ext:UBLExtension>
    <cbc:ID>urn:oasis:names:specification:ubl:schema:xsd:CommonAggregateComponents-2</cbc:ID>
    <cbc:Name>Delivery location</cbc:Name>
    <ext:ExtensionContent>
      <cac:DeliveryLocation>
        <cbc:Description>Maximum 1 hour drive from stated location
coordinates</cbc:Description>
        <cac:LocationCoordinate>
          <cbc:LatitudeDegreesMeasure unitCode="DD">40</cbc:LatitudeDegreesMeasure>
          <cbc:LatitudeMinutesMeasure
unitCode="D61">26.767</cbc:LatitudeMinutesMeasure>
          <cbc:LatitudeDirectionCode>N</cbc:LatitudeDirectionCode>
          <cbc:LongitudeDegreesMeasure unitCode="DD">79</cbc:LongitudeDegreesMeasure>
          <cbc:LongitudeMinutesMeasure
unitCode="D61">58.933</cbc:LongitudeMinutesMeasure>
          <cbc:LongitudeDirectionCode>W</cbc:LongitudeDirectionCode>
        </cac:LocationCoordinate>
      </cac:DeliveryLocation>
    </ext:ExtensionContent>
  </ext:UBLExtension>
</ext:UBLExtensions>
```

1. ID
2. Delivery location name
3. Description
4. Location coordinate:
 1. Latitude degrees and minute measure
 2. Longitude degrees and minute measure

NB: Can be some small changes based on new UBL version.



Quantities and Units

Pre-Award Catalogue

```
<cac:CatalogueLine>
  <cbc:ID>1</cbc:ID>
  <cbc:OrderableIndicator>>true</cbc:OrderableIndicator>
  <cbc:OrderableUnit>XB0</cbc:OrderableUnit>
  <cbc:ContentUnitQuantity unitCode="MLT">1000</cbc:ContentUnitQuantity>
  <cbc:OrderQuantityIncrementNumeric>1</cbc:OrderQuantityIncrementNumeric>
  <cbc:MinimumOrderQuantity unitCode="XB0">1</cbc:MinimumOrderQuantity>
  <cbc:PackLevelCode>CU</cbc:PackLevelCode>
  <!-- ... -->
  <cac:Item>
    <cbc:Name languageID="en">Milk 1 Liter</cbc:Name>
    <cac:SellersItemIdentification>
      <cbc:ID>2222</cbc:ID>
    </cac:SellersItemIdentification>
    <!-- ... -->
  </cac:Item>
  <!-- ... -->
</cac:CatalogueLine>
```

1. ID
2. Orderable Unit
3. Content Unit Quantity – Item net quantity
4. Order quantity increment numeric
5. Minimum Order Quantity

Logistics Information

```
<cac:CatalogueLine>
  <cbc:ID>1</cbc:ID>
  <cbc:OrderableIndicator>>false</cbc:OrderableIndicator>
  <cbc:PackLevelCode>DU</cbc:PackLevelCode>
  <cac:ComponentRelatedItem>
    <cbc:ID>222222</cbc:ID> ❶
    <cbc:Quantity unitCode="XB0">12</cbc:Quantity> ❷
  </cac:ComponentRelatedItem>
  <cac:Item>
    <cbc:Description>Soft drink, pallet</cbc:Description>
    <cbc:PackQuantity unitCode="EA">1</cbc:PackQuantity>
    <cbc:Name languageID="en">Soft drink</cbc:Name>
    <cac:SellersItemIdentification>
      <cbc:ID>111111</cbc:ID>
    </cac:SellersItemIdentification>
  </cac:Item>
</cac:CatalogueLine>
```

Pack level code – Codelist:

- CU= Base unit level
- DU = Pallet level
- TU = Case level
- HN = Handling unit

Same codes in PEPPOL BIS Catalogue.

Hazardous Item

```
<cac:HazardousItem>  
  <cbc:ID>0024</cbc:ID>  
  <cbc:UNDGCode>ADR</cbc:UNDGCode>  
</cac:HazardousItem>
```

- Reference to the UNDG-code
- Further specification shall be provided

```
<cac:ItemSpecificationDocumentReference>  
  <cbc:ID>1</cbc:ID>  
  <cbc:DocumentDescription>HMS Safety sheet</cbc:DocumentDescription>  
  <cac:Attachment>  
    <cac:ExternalReference>  
      <cbc:URI>http://www.klif.no/no/Tema/Kjemikalier/Klassifisering-og-merking-av-kjemikalier-CLP/Klassifisering-CLP-avsnitt-I-II-og-V/</cbc:URI>  
    </cac:ExternalReference>  
  </cac:Attachment>  
</cac:ItemSpecificationDocumentReference>
```

Catalogue

Manufacturer Party

- Provider Party - Supplier or a Third party
- Receiver Party – Buyer or a Third party
- Seller Supplier Party - Supplier
- Contractor Customer Party – Buyer
- Manufacturer Party - Manufacturer

It should be possible to specify the manufacturer of the item. In particular, for the case where the supplier is different from the manufacturer of the item.

0..1 • • • cac:ManufacturerParty

MANUFACTURER PARTY

1..1 • • • • cac:PartyName

PARTY NAME


1..1 • • • • • cbc:Name

Manufacturer name

The name of the party that manufactures the item.

Catalogue

Call for Tender Reference

0..1	• • cac:CallForTendersLineReference 	ITEM REQUEST LINE REFERENCE <i>Reference to a Line in the corresponding pre-award catalogue request, or another relevant Call For Tenders document.</i>
1..1	• • • cbc:LineID	Requested item identifier <i>Identifier for a requested item, use unique line identifier as received in the pre-award catalogue request (or other relevant call for tender documents).</i> Example value: 12

User Involvement - Reference Groups

How to collaborate with the market to build structured content in EHF and PEPPOL BIS

Workshop organized by NHO
Conference services DPS pilot

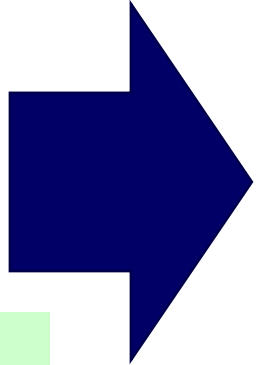
Conference service providers

Contracting Authorities

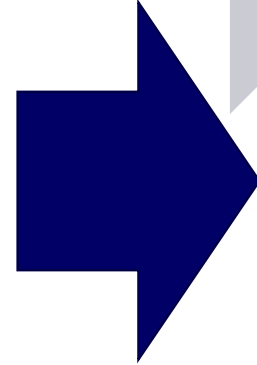
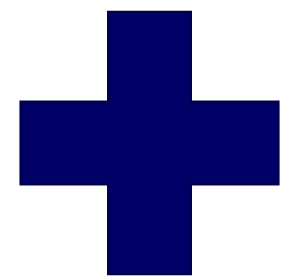
Service providers

Pilot DPS på kurs/konferanse	
EHF Forespørselskatalog	
HODEINFORMASJON	
Oppdragsgiver	
Mottaker	
Kontaktpersondata?	
YTELSEN/TJENESTEN/LEVERANSEN	
Foretrukket sted for konferanse	
Postadresse	
Geolokasjon	
Fritekstfelt geolokasjon (akseptabel reisetid bil/kollektiv)	
TED reference	
Doffin reference	
CPV code	
Navn på DPS	
Lot reference	
ARRANGEMENTSINFO	
Dato fra	
Ankomsttid	
Dato til	

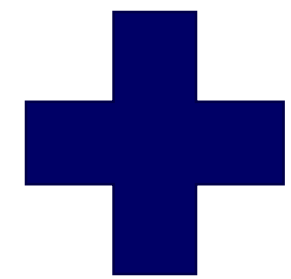
Some of the content in catalogue is defined by the sector



Involvement



Involvement



Link:

- EHF Pre-award catalogue request and Pre-award catalogue:
 - <https://test-vefa.difi.no/ehf-pre/g2/pacr/>



Questions?

