



### Minutes ETC meeting, April 23<sup>rd</sup> and 24<sup>th</sup> 2013

**Date:** April 23<sup>rd</sup> and 24<sup>th</sup> 2013  
**Time:** 10:00 – 18:00 and 09:00 – 15:30  
**Place:** Copenhagen  
**Participants:** Christian Odgaard, DK, Energinet.dk, [cco@energinet.dk](mailto:cco@energinet.dk)  
 Fedder Skovgaard, DK, Energinet.dk, [fsd@energinet.dk](mailto:fsd@energinet.dk)  
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 Vlatka Cordes, DE, RWE, [Vlatka.Cordes@rwe.com](mailto:Vlatka.Cordes@rwe.com) (Telephone conference April 24<sup>th</sup>)

**Attachment:**  Domain Utilities closing session - 20', see item 18.3, Report from latest UN/CEFACT Forum under AOB

 IEC and ENTSO-E acknowledgements - , see item 4, Update of ebIX<sup>®</sup> recommendations for acknowledgement and error handling

#### 1 Approval of agenda

The agenda was approved with the following additions under AOB:

- Supplier Centric Model from Denmark, see 18.1
- Rules for ETC, see 18.2
- Report from latest UN/CEFACT Forum, see 18.3
- Questions from Belgium, see 18.4

#### 2 Minutes from previous meetings

The minutes from previous meeting were approved.

#### 3 Resolve matters arising from contact with IEC/TC57

Kees had distributed an overview of the top UseCases from the BRS in the ebIX<sup>®</sup> model, which has been promised to IEC before the end of April. The document was reviewed and updated with the latest UseCase diagrams, UseCase descriptions and activity diagrams from the CuS model.

Kees had also made a draft of an IEC New Work Item Proposal (NP) for the cooperation between ebIX<sup>®</sup> and IEC. This document was also reviewed and updated.

Day two of the ETC meeting there was a telephone conference with Vlatka:

- ebIX<sup>®</sup> has been invited to a telephone conference in connection to a WG16 meeting May 15<sup>th</sup> in US. Vlatka, Jan, Kees, Ove, Thibaut and Fedder will participate.

- We think that WG16 is the right starting point for the cooperation. Mainly because WG16 is working with market extensions, while WG14 are working with technical specifications.
- The document with overview of the top UseCases from the BRS in the ebIX® model was briefly reviewed a second time and a few comments were added, such as:
  - ebIX® is working with the grid companies, i.e. DSOs and TSOs, for all voltage levels, however always towards the market (Suppliers, Balance Responsibles etc.).
  - The Transport Capacity Responsible is currently only valid for the Gas market
- Also the IEC New Work Item Proposal was reviewed a second time:
  - It was agreed that the “Title of project” and “Scope”, should refer more to business models and less alignment of CCs.

#### **4 Update of ebIX® recommendations for acknowledgement and error handling**

Ove had as homework from previous meeting to look at the IEC (62325-451-1) and ENTSO-E acknowledgement processes, to see if we can fit these into a BRS/BIV construct or similar. A presentation comparing the two acknowledgement processes is attached.

If ebIX® could use the IEC/ENTSO-E acknowledgement document for xml documents instead of creating our own will be discussed later.

It was decided that we want an updated document just for EDIFACT. This means that Ove as homework will go back to the ebIX acknowledgements document from February 2013 (ebIX acknowledgements Draft for v1r2A 20130207.doc), remove UMM parts and questions, verify that that the rest of the document is valid and distribute it to ETC for comments.

#### ***Homework:***

- Ove will update the ebIX acknowledgements document from February 2013, remove UMM parts and questions, verify that that the rest of the document is valid and distribute it to ETC for comments.

#### **5 Status for publications after previous ETC meeting**

Ove had updated the references in the document “ebIX® Introduction to Business Requirements and Information Models” and published it.

During this item the first of the questions from Belgium, see item 18.4 under AOB was discussed. As a result Kees volunteered to add the complete class diagrams for the 5 ebIX® “Event- or Time Series-classes” (three for CuS and two for EMD) as appendix to the Introduction to ebIX® Models document.

#### ***Homework:***

- Kees will as homework review and, if needed, update the following documents:
  - ebIX® Rules for the use of OCL statements
  - ebIX® common rules and recommendations, appendix D
- Kees will add the complete class diagrams for the 5 ebIX® “Event- or Time Series-classes” as appendix to the Introduction to ebIX® Models and publish it.

#### **6 Request from the Nordic Ediel Group (NEG) for how to handle missing values**

tWG has, based on the note from NEG, asked ETC and WG-EDI to discuss how to handle missing values.

The result from the WG-EDI discussion was that it does not seem to be a topic for the ENTSO-E documents, since this mainly is a topic when sending metered data, which is not a part of the ENTSO-E scope.

A short discussion in ETC showed that ebIX® already has a solution, using an “indicator Type” of type Boolean (true or false), which indicates if a quantity, price or others are missing. The solution includes usage of the XML choice, using either the Indicator or the Quantity/Price/...

For EDIFACT/UTILTS the principle should be using the code “46, Non existent” in the corresponding STS segment and for other EDIFACT documents using the quantity qualifier “Z03, No Value”.

**Action:**

- Fedder will take the result of the ebIX® and WG-EDI discussions back to tWG and inform NEG of the result.

**7 Question from CuS**

Can the following codes be deprecated?

| <i>Supply Agreement Type Description Code</i> |                                |   |
|---|--------------------------------|---|
| <b>E05</b>                                    | Full supply                    | Supply contract for full supply.                    |
| <b>E06</b>                                    | Partial supply (Open contract) | Supply contract for partial supply (Open contract). |
| <b>E07</b>                                    | Partial supply (Schedule)      | Supply contract for partial supply (Schedule).      |
| <b>E08</b>                                    | Co-operation                   | Supply contract for co-operation.                   |

The question implies deprecation of the whole code list, since these are the only codes in the list. The countries participating at the previous CuS meeting and the countries participating at this ETC meeting are no longer using these codes.

During this item it was noted that the description of the Code List Responsible Agency 260 had the description “ebIX=EDIEL Nordic Forum“. The reference to Ediel was deleted.

**Conclusion:**

- The code list was marked as deprecated.

**8 Usage of Metering Method and Settlement Method**

See mail exchange in Appendix A.

From the discussion:

- We have a “Metered Data Resolution” (hourly, daily, weekly...) for each Register(/Meter)
- We also have a “Distribution Resolution” for the distribution of Metered Data from the MP to the Market participants. This can however be split per purpose, e.g. for billing and settlement or production and consumption.
- Is the “Distribution Resolution information” a task for ebIX®?
- What Belgium needs is different “Resolutions” for different purposes related to a MP

CuS should handle the question.

**Homework:**

- Ove will add the question to the next CuS agenda
- Belgium will make a proposal for how to handle the problem for next CuS meeting June 25<sup>th</sup> and 26<sup>th</sup> in the Netherlands.

## **9 tWG**

No news reported, except for the request from the Nordic Ediel Group (NEG) for how to handle missing values, see item 6.

## **10 Business Document Header (BDH)**

The item was postponed.

## **11 ebIX<sup>®</sup>, EFET and ENTSO-E Harmonisation Group (HG)**

The item was postponed.

## **12 Status for review of Slovenian WS implementation**

No information was available.

## **13 Benchmark test of different xml schema versions**

The item was postponed.

## **14 UN/CEFACT project for Alignment of Master Data for Metering Point and of Measured Data**

The item was postponed.

## **15 Upgrade of MagicDraw from version 17.0 to version 17.02**

Kees noted that the latest MagicDraw version 17.02 has some bugs that effects Eclipse, which is used by the ebIX<sup>®</sup> Transformation Tool (TT). Of this reason, a discussion related to upgrade was postponed.

## **16 Information from ENTSO-E/WG-EDI meetings (Fedder)**

The item was postponed.

## **17 Next meeting(s), including start and end time.**

- Thursday 23<sup>rd</sup> of May 2013, 09:00 – 16:00, Arlanda
- Tuesday 20<sup>th</sup> and Wednesday 21<sup>st</sup> of August 2013, 09:00 – 18:00 and 09:00 – 15:00, Arnhem, the Netherlands

## **18 AOB**

### *18.1 Supplier Centric Model from Denmark*

Christian informed from the new supplier centric model that will be implemented in Denmark from 2014:

- The Balance Supplier (BS) will maintain the Customer information related to a MP in the DataHUB. Parts of this information will be available for the Grid Company responsible for the MP.
- There are problems with customers moving out, without anybody moving in. In Denmark a Customer may move in up to 15 working days in the past, while a move out must be sent at least three days ahead
- New processes will be created where the Grid companies will update grid tariffs in the DataHUB, which will use these tariffs to generate invoices to the Customers. Each Grid Company may have its own tariffs.

Kees mentioned that the exchange of tariffs might be seen as Master Data for Products and Services.

### *18.2 Rules for ETC*

Jan had reviewed the document “Rules for ETC” and found that parts of it still is valid and that parts of it is outdated or published elsewhere.

#### ***Homework:***

- Jan will go through the document once more and make proposals for where to put the text that still is relevant.

### *18.3 Report from latest UN/CEFACT Forum*

Kees reported from the UN/CEFACT Forum meeting the week before, see attached presentation. In short, the UN/CEFACT PDA Sectorial Utilities Domain has agreed that ebIX<sup>®</sup> shall start discussions with IEC TC57 work group(s) regarding:

- Business requirements (BRS’s)
- Data model
- Core Components
- Syntax specific representation

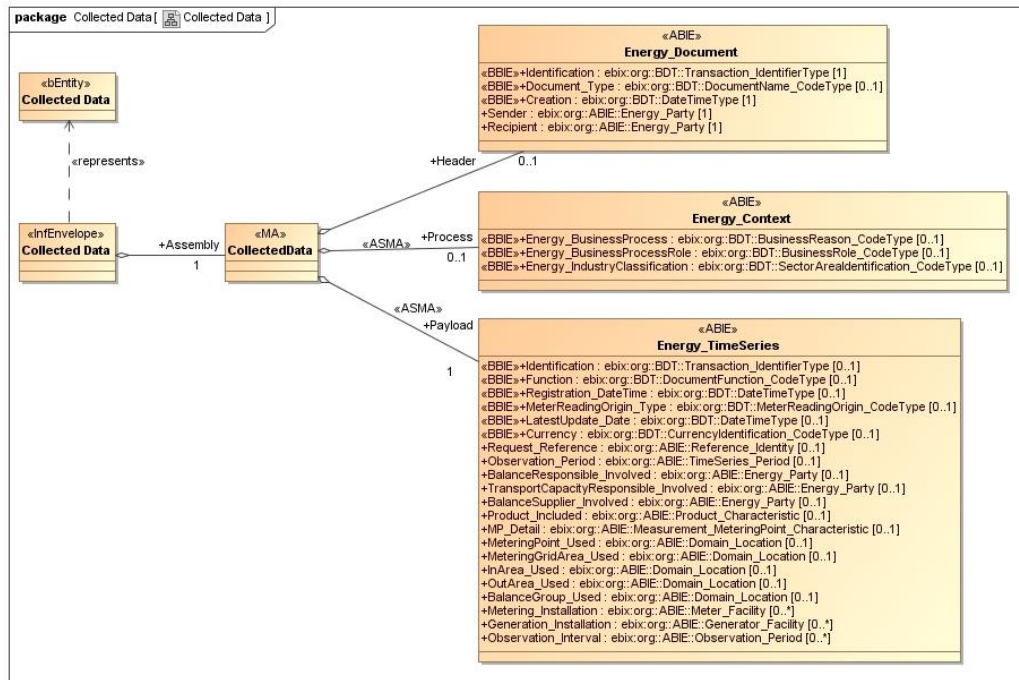
Kees also reported:

- The BDH project is still “ongoing”. However, nothing is happening. The chairman is still Shingo from Japan,
- CCBDA is still a challenge, e.g. it does not support the ebIX<sup>®</sup> way of doing things (using OCL).
- In June, the Bureau will decide the strategy for the coming years, such as what to do with technical standards, such as NDR.

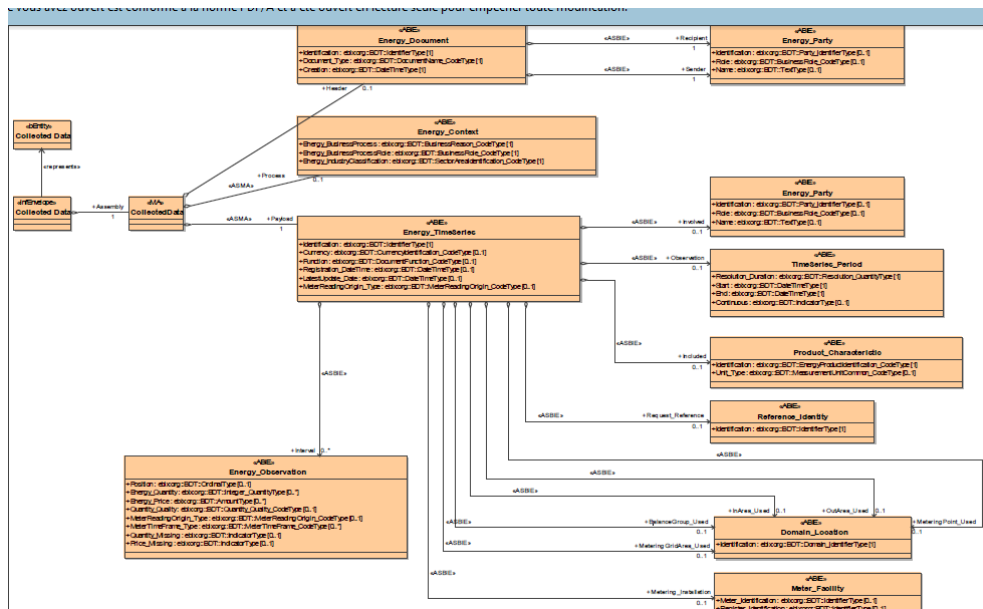
### *18.4 Questions from Belgium*

Thibaut had prepared some questions:

1. Within MagicDraw Project and the newer Business Information Model document (BIM) the following principles are used for class diagrams:



In the ebIX introduction document the following is shown



**Answer:**

When we show the document class diagram in a Business Information Model document (BIM) the “lowest level” of classes is one of the “Event-classes”. In this class all “subclasses” have been merged into the Event-class, which means that possible attributes and “sub-sub-classes” not are shown. The reason being that the diagrams else will be too large for a word document. See further item 5 above.

**Conclusion:**

The complete class diagram, showing the ASBIEs, will be shown in the document “Introduction to ebIX® models”. The simple class diagrams are used in the BIMs.

2. Which Code List Identifier to use for Belgian Code Lists.

**Answer:** Code List Responsible 260 is an UN/CEFACT code for ebIX®, while BEL is an ebIX® code for Belgium. There is no need to get any more codes for Belgium.

3. MP Reading Characteristics/Metered Data Collection Method:

- Metered Data Collection Method is an old name of the element. The code list was renamed by CuS to MP Reading Characteristics
- The code list is used in Belgium, Denmark and Norway
- Relevant codes are:
  - i. Manual read (BE, DK and NO)
  - ii. Automatic read (DK and NO)
  - iii. Not read (NO)
  - iv. Remote, one way (BE)
  - v. Remote, two way (BE)

CuS will be asked come up with a harmonised solution.

4. Who maintains national codes?

**Answer:** Belgium must maintain own national codes. However ebIX® will publish the codes in the common model. In this way, other countries are aware of national codes used by other countries.

5. Will the benchmark test involve the TT?

**Answer:** No, the benchmark test is only planned for the XML schemas.

## Appendix A METERING METHOD AND SETTLEMENT METHOD

**From:** Sparreboom, Kees [mailto:kees.sparreboom@capgemini.com]

**Sent:** 27. mars 2013 14:22

**To:** Chris de Jonge; Ove Nesvik

**Cc:** Thibaut Hellin

**Subject:** RE: Question about MP Data

Dear Chris,

As you will notice now, I go over my unread mail from old to new.

Please find as an addition to my previous mail the attachment to this mail.

All in all, I can understand your hesitations regarding the overlap of meteringmethod values and settlementmethod values. So I do agree, that we should go over these options next ETC (or CuS if you prefer). For the moment, I still think for you will be most important, that you realize that this is all about MP-characteristics and not yet about meter master data.

### 18.5 MP characteristics: MeteringMethod and SettlementMethod

|                                   | <b>MeteringMethod</b> | <b>SettlementMethod</b> |
|-----------------------------------|-----------------------|-------------------------|
| <b>MP in imbalance settlement</b> | continuous            | non-profiled            |
| <b>MP in reconciliation</b>       | non-continuous        | profiled                |
| Special situations                |                       |                         |
| <i>Net loss</i>                   | non-metered           | profiled                |
| <i>Street lights</i>              | non-metered           | non-profiled            |

Regards, Kees

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Dear Chris,

Sorry for the delay in answering. The flue caught me by surprise and has been very harsh on me. But the fever has gone now, so I start to regain some interest in the rest of the world again. So answering your mail is a first effort.

With regard to MeteringMethod misunderstandings are easy. Most important is that it is specified as a property for the MeteringPoint. And therefore not as a property for the meter. So it is very well possible that the meter can handle continuous metering and that the MeteringMethod specifies non-continuous for the MP. (Of course practically the characteristic specified for the MP should fall within the capabilities of the meter!)

For the MP only one value can be specified for the MeteringMethod. So the multiplicity is 1 only.

I agree that one can discuss the value for "non-metered" as a real metering method, but as a property value for the MP it absolutely can have meaning.

Finally: all this is specified for the MP in order to be able to distinguish between MP's that are settled as non-profiled (meaning it is part of imbalance settlement) and therefore have to be metered continuously and between MP's that are settled/reconciled as profiled and therefore do not have to be metered continuously.

Master data for meter are high on the priority list for CuS now. But at the moment haven't been discussed. So all we have now is MeteringMethod and SettlementMethod as properties for the MP.

Please let me know when this still raises questions.

Regards, Kees



**From:** Chris de Jonge [<mailto:chris.dejonge@atrias.be>]

**Sent:** maandag 25 maart 2013 2:28

**To:** Ove Nesvik

**Cc:** Thibaut Hellin; Sparreboom, Kees

**Subject:** RE: Question about MP Data

Ove,

Thanks for the reply. I can see that by combining these attributes, I can in fact specify what I requested. However, I am puzzled by the meaning and usage of both attributes:

- Metering Method: The method used for metering, such as continuous, non continuous or not metered.
- Settlement Method: The method used for settlement, such as profiled or non-profiled. A profiled metering point is always a part of the reconciliation process as opposed to non-profiled.

I can understand each individual attribute. But, based on your feedback on my unmetered question, I understand that by using these two attributes, I could specify following:

1. Continuous metering – profiled: which is a metering point, with 15' timeseries, which I will reconcile
2. Non-Continuous metering – non-profiled: a metering point with discrete values (index), which I will not reconcile.

That does not make too much sense for me. Also, the way I interpreted Settlement Method, I did not see too much the value of it (for Belgium), since, by default, a continuous MP, will be profiled, and a non-continuous non-profiled. So, it seems to me that settlement method was always going to be derived from MeteringMethod.

Which brings me back to the “unmetered” question. Given above, I do not feel that unmetered in combination with continuous / uncontinuous should be handled the way you are proposing.

Metering Method should specify the granularity with which you are going to get the metering, and settlement method to way they are handled in settlement. Since, you have to attributes you could specify an AMR meter (continuous) and still mention non-profiled for settlement. So, the settlement method, is not specifying the granularity of the metering. Since that is not the case, I cannot use Settlement Method this to specify continuous/ non-continuous for unmetered MP's.

If I had to use an existing attribute, I would rather use “MP Reading Characteristics” to specify unmetered, and continue to use MeteringMethod to specify “continuous” or “not continuous”.

Looking forward to your feedback.

Regards,

**Chris de Jonge**

[chris.dejonge@atrias.be](mailto:chris.dejonge@atrias.be)



Ravensteingalerij - Galerie Ravenstein 3 b6  
1000 Brussel - Bruxelles

**Van:** Ove Nesvik [<mailto:ove.nesvik@edisys.no>]

**Verzonden:** donderdag 21 maart 2013 13:38

**Aan:** Chris de Jonge

**CC:** Thibaut Hellin; Sparreboom, Kees

**Onderwerp:** RE: Question about MP Data

Dear Chris and All,

I believe you have missed the Settlement Method in the MP Characteristics class diagram.

If you combine Metering Method=Not metered with Settlement Method = Profiled or Not profiled, I believe you get what you ask for (?)

Rgds,

**Ove Nesvik**

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**From:** Chris de Jonge [<mailto:chris.dejonge@atrias.be>]

**Sent:** 20. mars 2013 17:21

**To:** Sparreboom, Kees; Ove Nesvik

**Cc:** Thibaut Hellin

**Subject:** Question about MP Data

Dear Kees, Dear Ove,

As you know, we are busy modeling the Belgian Distribution processes. We try to map these as close as possible to the ebIX© models. However, from time to time we encounter some difficulties in doing so. Hence, following question, on which I hope to get some feedback from you.

One of the situations I am trying to map has to do with MP Characteristics:

Like yourselves, we use MeteringMethod\_Type, to specify that the MP Continuous or Non-continuous.

We also have unmetered points, however for these we need to specify that they are unmetered and continuous or non-continuous. MeteringMethod\_Type having a multiplicity of 1, I cannot do this with the current model of MP Characteristics.

1. Can you confirm my understanding of the model ?
2. Are we the only ones having this requirement ?
3. Which solution would you propose ?

Personally, I am not convinced that “not metered” is a meteringmethod. I would rather put this as a separate characteristic of the MP.

Looking forward to your feedback,

Regards,

**Chris de Jonge**

[chris.dejonge@atrias.be](mailto:chris.dejonge@atrias.be)



Ravensteingalerij - Galerie Ravenstein 3 b6  
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## Appendix B THE TASKS OF ETC

| Task  | Group                                   | Priority   | Planned  |
|---|---|------------|----------|
| Update of Introduction to Business Requirements and Information Models  |   | High       | Every Q1 |
| Making ebIX <sup>®</sup> Recommendations for usage of WEB services including recommendations for acknowledgement and error handling   |   | Medium     | 2013     |
| Review of “Rules for status and consequences for ebIX documents”  |   | Medium     | Every Q1 |
| Maintain the ebIX <sup>®</sup> technical documents: <ul style="list-style-type: none"> <li>• ebIX<sup>®</sup> Rules for the use of UMM-2.0</li> <li>• ebIX<sup>®</sup> common rules and recommendations (v1r1D)</li> <li>• ebIX<sup>®</sup> Recommendations for asynchronous acknowledgement and error handling (v1r0C)</li> </ul>                                      |   | Medium     | Every Q2 |
| Other tasks: <ul style="list-style-type: none"> <li>• Restructuring of UTIL-messages to reflect the structure of CCs (if we keep on mapping to EDIFACT)</li> <li>• 2<sup>nd</sup> generation Harmonized Role Model for Electricity and Gas</li> <li>• ebIX<sup>®</sup> Header</li> </ul>  | CuS, EMD and ETC Together with ENTSO-E? | Low        | ?        |
|   |   | Medium     | 2013     |
|   |   | High       | 2013     |
| Maintain ebIX <sup>®</sup> profile for MagicDraw, including: <ul style="list-style-type: none"> <li>• Core Components</li> <li>• Code lists</li> <li>• Templates, etc.</li> </ul>   |   | Continuous |          |
| Participation/representation in the ENTSO-E and ebIX <sup>®</sup> technical WGs <ul style="list-style-type: none"> <li>• Maintaining harmonised role model</li> <li>• Core Components</li> <li>• Information exchange between participation organisations</li> </ul>  | Together with ENTSO-E                   | Continuous |          |
| Participation in UN/CEFACT  |   | Continuous |          |
| Cooperation with IEC/TC57/WG16  |   | Continuous |          |
| Organise implementation support, such as: <ul style="list-style-type: none"> <li>• ebIX<sup>®</sup> course</li> <li>• Implementation support for participating countries, such as inserting/updating codes.</li> </ul>  |   | Continuous |          |
| Supporting ebIX <sup>®</sup> projects, i.e.: <ul style="list-style-type: none"> <li>• Develop and maintain the UMM <i>Business Choreography View</i> and <i>Business Information View</i> from the CuS and EMD working groups.</li> <li>• Develop and maintain XML schemas based on the <i>Business Information View</i> from the CuS and EMD working groups</li> </ul> |   | Continuous |          |

## Appendix C PARTICIPANTS IN ETC

| Name                    | Company   | Telephone        | Mobile           | E-mail   |
|-------------------------|---|------------------|------------------|--|
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|                         |   |                  |                  |  |
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## **Appendix D EBIX® HEADER**

To remember:

1. Do we want this rule? The requestor id and the requestor role (Business process role) for the actor (role) that asks for changed, added or deleted information of another role shall be stated in the document header.
2. Do we need a test indicator?
3. The content of the Energy Document and Energy Context ABIEs needs a review

## Appendix E EBIX RULES FOR ADDRESSING (ROUTING)

### 18.6 Definitions

**Juridical party:** In this chapter the term juridical party will be used for the party juridical responsible for sending or receiving information.

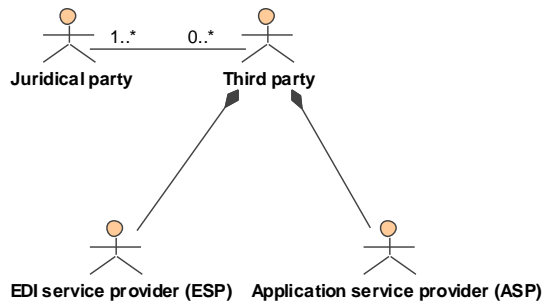
**Business process id:** The key element in routing and addressing is the Business process that will be identified by a code called the Business Process Identification (BPI). BPI also serves as the key element to indicate the business process capabilities of a party. The user group, government agency, or national ebIX group making a Business information model assigns this code.

**Party id:** The identification of a party, i.e. the party's EAN location number or the party's EIC (ETSO Identification Code).

**Third party:** A party acting on behalf of the juridical party (as an intermediate) in a message exchange scenario. In between the juridical parties there may be several third parties. These intermediates can have different responsibilities, such as routing of documents, conversions to/from EDIFACT/XML and/or handling of the document content on behalf of the juridical party. Intermediates only doing routing of messages will not be a part of the addressing principles discussed below. The third parties may be split into the following two subtypes:

**Application service provider (ASP):** A third party that takes care of the database (application) for a juridical party. The ASP is responsible for returning application acknowledgements, such as APERAK.

**EDI Service Provider (ESP):** A third party that is responsible for the document exchange on behalf of the juridical party, including conversion of documents. The ESP is responsible for returning syntax related acknowledgements, such as EDIFACT CONTRL.



*Relationship between roles in document exchange*

A juridical party can choose whether or not to use one or more third parties in his document exchange. It is also possible to combine usage of third parties for one or more business areas and handle the document exchange himself for other business areas.

### 18.7 Principles for addresses and identifications

1. The juridical party may choose whether to use one or more third parties as intermediates in a document exchange scenario.
2. A juridical party can only have one party id for each BPI.

3. Routing of documents, including acknowledgements, shall use the same principles even if third parties are used.
4. In case of additional routing information a BPI shall be used for routing of documents to the right business process through its identification.
5. The main use of the addresses in the envelope (for EDIFACT in UNB) is routing purposes. The routing information includes information related to the BPI.
6. A recipient id combined with the related BPI in the envelope (for EDIFACT in UNB) can only be linked to one communication address, but a communication address may be linked to several combinations of party ids and/or BPIs.
7. It shall always be the juridical party, the party legally responsible for sending or receiving the information, that is identified in the document header level (for EDIFACT in the NAD segment).
8. Either EAN or EIC (ETSO Identification Code) identification scheme shall be used as party id.
9. The BPI concerned shall be stated in the envelope.
10. Acknowledgements of acceptance, such as EDIFACT/APERAK, shall be treated as any other document regarding the addresses. I.e. the sender address, including BPI (sub address) in the original document, shall be sent as receiver address in the application acknowledgement. And the receiver address, including BPI (sub address) in the original document, shall be sent as sender address in the application acknowledgement.
11. Acknowledgements of receipt, such as EDIFACT/CONTRL documents, shall be returned with opposite addresses. I.e. the sender address, including BPI (sub address) in the original document, shall be sent as receiver address in the syntax acknowledgement. And the receiver address, including BPI (sub address) in the original document, shall be sent as sender address in the syntax acknowledgement.

