


Minutes ETC meeting, August 25 <sup>th</sup> and 26 <sup>th</sup> , 2014	 European forum for energy Business Information eXchange
September 2 <sup>nd</sup> 2014	ETC – ebIX <sup>®</sup> Technical Committee

## Minutes ETC meeting, August 25th and 26th, 2014

**Date:** Monday and Thursday, August 25th and 26th, 2014  
**Time:** 9:00 – 17:30 and 09:00 – 16:30  
**Place:** Amsterdam, the Netherlands  
**Present:** Fedder Skovgaard, DK, Energinet.dk, [cco@energinet.dk](mailto:cco@energinet.dk)  
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**Appendixes:** **Appendix A**, Pending list  
**Appendix B**, The tasks of ETC  
**Appendix C**, Participants in ETC  
**Appendix D**, ebIX<sup>®</sup> Rules for addressing (routing)



Minutes for web  
conference CC subn

**Attachment:** see item 13, Status for UN/CEFACT project for Alignment of Master  
Data for Metering Point and of Measured Data



TT  
interpretation.pptx

see item 7.4, Interpretation of property types by the TT

### 1 Approval of agenda

The agenda was approved with the following additions:

- Some more EMD BIMs to be reviewed under item 6.2, Review of EMD BIMs
- Country codes (new item from Belgium), see item 6.5
- National code lists in the ebIX<sup>®</sup> model (new item from Belgium), see item 6.6
- Code questions from the ebIX<sup>®</sup> Gas project, see item 6.7
- Data types recognized and handled by the TT (new item from Belgium), see item 7.2
- Change from Complex type to Simple type by the TT, see 7.3
- New role and installation from the gas sector, see 9.5
- [Update of Atrias' published model](#), see 16.1 under AOB

### 2 Minutes from previous meetings

The minutes from previous meeting were approved with the following comment:

- Nina La Cour and "another member from Section IPET" were removed from the gas project member list, under item 15.1 (AOB)

### 3 Status IEC

*Homework from previous meeting:*

Task	Responsible	Time frame	Status
Review and comment on updated NWIP and related ebIX® requirements (Framework for energy market communication – Part XXX-X: Measure collected data, a business process for a deregulated market)	Fedder, Jan, Kees, Ove	Before Friday July 11 <sup>th</sup>	Jan has updated the NWIP and forwarded it to Jim (chair of WG16)
Send the updated NWIP and related ebIX® requirements to WG-16 (Jim), asking for answer (procedures, who does what, etc.) before August 1 <sup>st</sup>	Jan	First half of July	
Ask for support (participation) to the NWIP by: <ul style="list-style-type: none"> <li>• Svein Olsen, Statnett</li> <li>• Lars Ola Österlund, Ventyx</li> <li>• Vlatka Cordes, RWE (if she or another German member can participate)</li> </ul>	Jan	In parallel with the submission to WG-16	Jan has sent a mail to the possible participants. An answer has been received by Vlatka, that there are no German candidates
Ask for support (participation) to the NWIP by: <ul style="list-style-type: none"> <li>• Jean Luc Sanson (FR)</li> </ul>	Kees	Before August 1 <sup>st</sup>	Postponed
Information (status) to the ebIX® Forum	Ove	August	ebIX® Forum has been informed during two telephone conferences during the summer

Fedder and Jan will participate at the next IEC/TC57/WG16 meeting in US in September 2014. The main tasks will be:

- Create the ebIX®/IEC CIM/CC project, as a subproject under WG16.
- Get at least five participating countries.
  - Today Denmark (Fedder), Netherlands (Kees), Norway (Ove) and Sweden (Jan) will participate
  - France (Jean Luc Sanson) has shown interest
- Jan will be proposed as project leader

#### 4 Smart grid

There was no news from M490, i.e. postponed:

- Kees will ask M490 to come up with requirements for charging poles for vehicles
- Kees will ask M490 to come up with requirements for smart part of the smart meter
- Kees will make a proposal for a presentation regarding the smart part of the smart meter to be discussed at next ETC

## 5 Creation of XML schemas

Kees has added namespace information to the updated “TT specs document”. The item is finished.

## 6 ebIX® Business Information Model 2014.A

During this item Thibaut asked what to do with abbreviations. According to UN/CEFACT there are a very limited list of abbreviations that are allowed, such as using ID instead of Identification. However, several of the participants had experience problems with too long paths in Windows.

### **Conclusion:**

- It was agreed that we should be pragmatic and allow abbreviations if the file names get too long and cannot be handled by Windows.

### 6.1 Review of CuS BIMs

Due to summer holidays, the finalisation of the CuS BIMs has been postponed.

- Ove (Erik) will give priority to finalising the following BIMs and send them on circulation for comments to ETC (three weeks) before publication:
  - Update according to comments from previous meeting, send it to ETC for comments for three weeks and thereafter publish them:
    - Change of Supplier (updated after review on previous ETC)
    - End of Supply
    - Change of Balance Responsible Party
  - Do the rest of the BIMs (for reviewed by ETC):
    - Change of Metered Data Responsible
    - Change of Transport Capacity Responsible Party
    - Customer Move
    - End of Metered Data Responsible
    - Request MP Characteristics
    - Query MP Characteristics

Kees noted that when making relations to objects in the harmonised role model from a CuS object, MD put the relation directly under the top level “Data” package. These relations must be moved to the relevant package under the CuS package to avoid “orphaned proxies”. DO IT IMMEDIATELY (to avoid too many relations under the top-level Data package).

### 6.2 Review of EMD BIMs

The following EMD BIMs were reviewed:

- BIM for Settle for Reconciliation (distributed to ETC July 8<sup>th</sup>) was reviewed:
- BIM for Measure for Billing (distributed to ETC August 11<sup>th</sup>) was reviewed:
- BIM for Measure, Determine Meter Read (distributed to ETC August 15<sup>th</sup>) was reviewed:

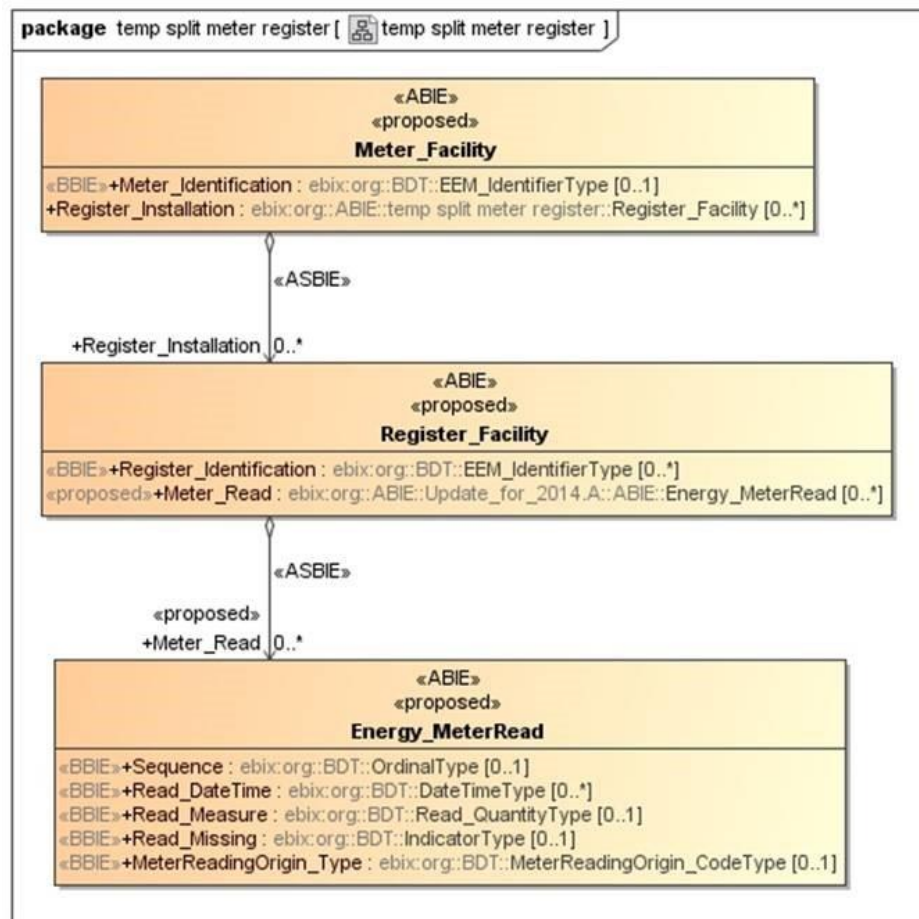
For all the reviewed EMD BIMs, the following updates must be done before publication:

- The links in the references needs to be verified
- The “Response Reason” should be repeatable in the rejections, i.e. [1..\*]
- Verify that the BIMs are correct related to the new structure for “Meter Facility”/ “Register Facility”

- The “Proposed association” should be shown (probably as an empty class) in the class diagrams for all “Measure Data Request documents”, since it is part of the OCL statements

The document Measure BRS’s 20140808, see Appendix G in the agenda, was reviewed with the following conclusions:

- The first three issues resulted in the creation of a new ABIE: “Register Facility” based on the ACC Facility. This means that we get two ABIEs: “Meter Facility” and “Register Facility”, both based on the ACC Facility. The “Register Facility” will be linked to the “Meter Facility”, so that a “Meter Facility” can have one-to-many “Register Facility”. The association will be called “Register\_Installation”. The Register ID was removed from the “Meter Facility”.



- Regarding the fourth issue, the conclusion was turned, i.e. the “Response Reason” should be repeatable in the rejections, i.e. [1..\*]. Among others because CuS are using a repeatable “Response Reason”.

**Conclusion:**

- The ebIX® Business Information Model 2014.A was updated with a new ABIE: “Register Facility” based on the ACC Facility. The “Register Facility” will be linked to the “Meter Facility”, i.e. the “Meter Facility” will have a one-to-many association (named “Register Installation”) to “Register Facility”.

**Action:**

- After correction, see comments above, Kees will publish the following BIMs:
  - BIM for Settle for Reconciliation
  - BIM for Measure for Billing
  - BIM for Measure, Determine Meter Read

**6.3 Review of enumeration for code list, e.g. should we rename SVK to SE**

The Code List Identification Code was reviewed:

```
«Original»
«ENUM»
CodeListIdentificationCode
{codeListAgencyIdentifier = "260",
codeListName = "CodeListIdentificationCode",
status = "draft",
UNCL = "1131",
uniqueIdentifier = "000001",
versionIdentifier = "0.1.A"}

BEL{codeName = "Belgian National Standard"}
DK{codeName = "Danish ebIX Group"}
EBO{codeName = "Edine Beheer Organisatie"}
DPO{codeName = "Dutch Profile Organisation"}
EKS{codeName = "Elkraft system"}
ELT{codeName = "Eltra"}
SLY{codeName = "Finnish Electricity Association"}
SM{codeName = "Norwegian ebIX organisation"}
SVK{codeName = "Svenska Kraftnät"}
TNT{codeName = "TenneT"}
VSE{codeName = "Verband Schweizerischer Elektrizitätsunternehmen"}
```

**Conclusion:**

- The following codes was deprecated:
  - DPO
  - EKS
  - ELT
  - TNT
- We will not rename any of the codes, such as rename SVK to SE, since the codes are extensively used

**6.4 How to document (specify the context and purpose) the usage of ESDs (ebIX® Standard Document)**

It was agreed to give the item a lower priority, i.e. the item was skipped and will be reopened when anyone has a need for using the ESD directly.

**6.5 Country codes (new item from Belgium)**

From Thibaut:

- We noticed that in MagicDraw the codelist CountryIdentifier was created on 2 different places:
  - In ebIX subset package (Data::ebix: org:: ebIX Subset)
  - In external ISO package (Data::ebix: org:: ebIX External:: ISO)

- If it seems us correct that the version within “ebIX Subset” contains only the 28 european countries ISO values (it is a subset of the original list), we think that the version within “ISO” should contain the whole list of countries ISO codes (as it is considered as “original” – or you have to change the stereotype of this one to be correct).
- In Belgium the exchange of customer’s information (like address, communication methods,...) between Supplier and DGOs are mandatory and, as we are using the standardized address ABIE (with country BBIE), we have to be able to give an address everywhere in the world (if the installation address is always in Belgium, the customer’s address – that can be a company – can be everywhere in the world).
- You will find in attachment the whole list of countries ISO codes (2). An additional information (Ok) has been put for codes that already are in MagicDraw ebIX project. Please, note that in actual ebIX project we have for code BA the code name “Bosnia” while the official denomination is “Bosnia and Herzegovina”

**Conclusion:**

- The complete set of ISO country codes will be added (imported) to the ISO package under ebIX External

**6.6 National code lists in the ebIX® model (new item from Belgium)**

Thibaut asked how Belgian code lists can be added into the ebIX model (in ebIX external > National codes > BE?):

- Belgium have several national code lists that not is a part of the ebIX® model. Where to put the related Assembled Code List?
- Belgium has added the package IANA under ebIX External, in the national customised model, for codes related to MIME Type etc.
- Also several UN/CEFACT codes, not used within ebIX®, are added to the Belgian code lists

**Actions:**

- Belgium will verify that the national Belgium code lists will work with the latest ebIX® model (2014.A)
- If OK, Belgium will send the Belgian codes to Kees, who will try to add the codes to the ebIX® model
  - Only external code lists (IANA), subsets (UN/CEFACT) and national Belgian code lists that can be added to existing Assembled code lists, will be added to the ebIX® model
- The model will be reviewed at the next ETC meeting

**6.7 Code questions from the ebIX® Gas project**

The ebIX® Gas project had come up with the following questions to ETC:

- Do we have ebIX® recommended ID scheme for ARS (Aggregated Reception Station), see item 9.5 below?
- Can we add “Medium” as an enumeration literal in the Pressure Level?
- Is Measure Unit code “D90 = Net Cubic Meter” meant to be “Normalised Cubic Meter”, or do we need a new code for “Normalised Cubic Meter”?

**Conclusions:**

- ETC propose using the **GS1 Global Individual Asset Identifier (GIAI)** or **EIC Resource Object Codes (W)** to identify the ARS
- ETC added the code “**E34 = Medium**” to the code list for Pressure level

**Homework:**

- Kees will verify with EDIgas if the “D90 = Net Cubic Meter” is the same as “Normalised Cubic Meter”

**7 TT (Transformation Tool)**

*7.1 Usage of facets (Length/MaxLength/...) in UN/CEFACT*

All had as homework from previous meeting to investigate in which circumstances facets can be used in extended complex types and how this may be implemented in the TT. However no one had found any good examples (except for Belgium, see previous minutes).

Thibaut proposed using OCL to add the facets. This will make it much more flexible than adding it as tagged values in the BDT or ABIE, e.g. (proposal from Thibaut):

```
inv::self.Payload.SDP_Used.ServiceComponent_Identification.content.length=8
```

where ServiceComponent\_Identification is the BBIE, content is the BDT property and length is a tag

The following facets were proposed:

- `xsd:length`
- `xsd:maxLength`
- `xsd:patterns`
- `xsd:fractionDigits`
- `xsd:totalDigits`

It is expected that the facets only will be added on a national basis.

**Action:**

- Kees will investigate the cost for adding facets to the TT, using OCL

*7.2 Data types recognized and handled by the TT (new item from Belgium)*

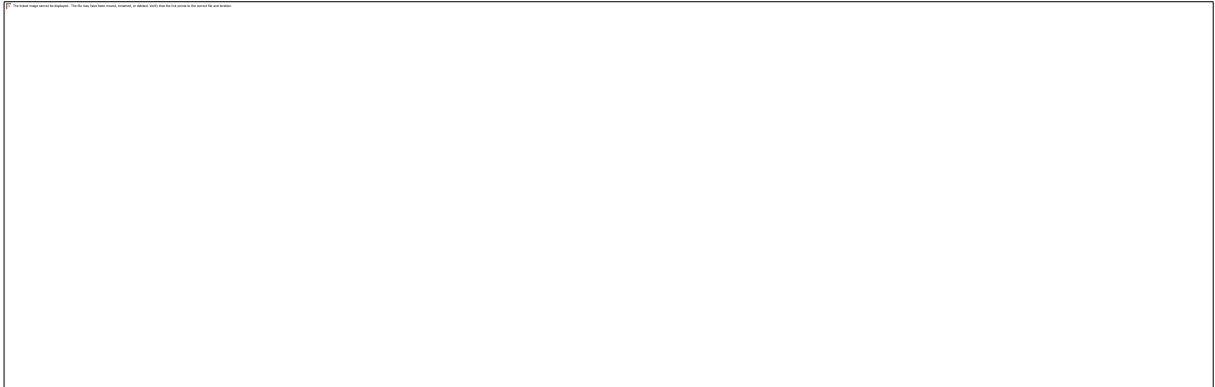
*From Thibaut:*

We have in Belgium to be able to attach one document to some requests (judicial decision for cutting one customer has to be given by the supplier to the MPA)

In the primitives of UML there is the “Binary” type and we used that in our BDT.



Information are well exported in XMI but when we generate the XSD in eclipse, we receive the following information that extension base is unknown



We suppose that the problem is that TT does not handle the “Binary” type and then don’t know what to do with that. Is it that? We did not found any information on supported types in the TT documentation.

Thibaut informed that Belgium currently need the binary data type added as an option in the TT. However, there are another four primitive data types from the PRIMLibrary in the ebIX® UMM model that not are handled by the TT:

Binary = xsd: base64Binary  
Double = xsd: double  
Float = xsd:float  
NormalizedString = xsd:normalizedString  
Token = xsd:token

**Action:**

- Kees will investigate the cost for following extensions of the TT:
  - Handling of the primitive data type Binary (xsd: base64Binary)
  - Handling all missing primitive data types (Binary, Double, Float, NormalizedString and Token).

**7.3 Change from Complex type to Simple type by the TT**

During this item Kees explained that when OCL-statements restricts an BDT so that there only is one attribute left, it generates the reminding element as a xsd:simpleType. It is possible to change this principle, so that the TT always creates xsd:complexType (however only relevant if the original BDT would have generated a xsd:complexType).

**Conclusion**

- We will change the TT rule, i.e. the TT should always create xsd:complexType, even if there is only one attribute left, however only if the original BDT would have generated a xsd:complexType.



#### 7.4 Interpretation of property types by the TT

See attached PowerPoint presentation. This is a logical problem, i.e. it is not possible to have two different versions of one BDT within one schema. The alternative is making the problematic attribute(s) optional, or to create a new BDT.

#### Action:

- Kees will update the TT documentation with a text explaining that it is not possible to have two different versions of one BDT within one schema. The alternatives are:
  - Making the problematic attribute(s) optional, however not the desirable option
  - To create a new BDT

### 8 ebIX® technical documents

The item was postponed

### 9 ebIX®, EFET and ENTSO-E Harmonised Role Model

#### 9.1 Issuer of Metering Point IDs

ebIX® has as homework promised to make a justification for adding a role issuing Metering Point IDs.

From CuS discussion:

- In Denmark and Norway it is the DSO (GAP) that issues MP IDs
- In the Netherlands it is the DSOs (GAP) responsibility to issues MP IDs, but the datahub can, on behalf of the GAP, issues MP IDs for some of the DSOs
  - ebIX® has earlier proposed to the HG to add a text to the definition of the Grid Access Provider (GAP) that “The Grid Access Provider issues the Accounting Point (AP) Identification”, however ENTSO-E argued that it not necessarily is the GAP that issues AP IDs (for instance ENTSO-E is issuing MP IDs)
  - Kees proposed to add the issuing of MP IDs to the Grid Operator instead of the GAP, with the following extension to the definition: “...and is responsible for installing, maintaining, testing, certifying and decommissioning Fields (including primary installations and excluding secondary installations).”

From ETC discussion:

- The reason for this item is that ebIX® wanted to add a text in the definition of the GAP, stating that the GAP is responsible for issuing MP IDs.
- Kees stressed that the argument “that it not necessarily is the GAP that issues AP IDs (for instance ENTSO-E is issuing MP IDs)” is incorrect. It is ENTSO-E that assigns the MP IDs, but it will be the TSO (or another organisation) that is responsible and “issues” the MP ID.
- ETC still thinks that the GAP issues MP IDs. It is important to keep in mind the difference between “Issuing” and Assigning”

#### Conclusion:

- ebIX® will argue for the original proposal (that the GAP is responsible for issuing MP IDs) at the coming HG meeting

## 9.2 “Field structure”

CuS also asks ETC to discuss and eventually forward the extended definition of the Grid Operator below:

A party that operates one or more grids **and is responsible for installing, maintaining, testing, certifying and decommissioning of Field(s), including Primary Metering installations and excluding Secondary Metering Installations.**

### **Conclusion:**

- The proposal will be forwarded to the HG as input for discussions for Role Model 2015-01
- CuS will be asked to come up with definitions for Field and Primary/secondary Meter Installations

## 9.3 “Z08 Billing Agent”

The item was postponed until discussed in the HG

## 9.4 Expansion of the HG

All had as action item from previous HG meetings to discuss internally if it would be a good idea to invite Eurelectric, EASEE-Gas and ENTOSOG to participate in the HG. ebIX® Forum has earlier said the following:

- From ebIX® Forum spring meeting 2014:
  - ebIX® will try getting approval from ENTSO-E for expanding the HG to include ENTOSOG
- From ebIX® Forum autumn meeting 2012:
  - ebIX® wants to continue harmonisation of the ebIX®, EFET and ENTSO-E Harmonised European Role Model, including:
    - Introduction of roles and domains for the gas sector
    - Extend the ebIX®, EFET and ENTSO-E Harmonisation Group by introducing new organisations, such as Eurelectric

### **Conclusion:**

- ebIX® wants to add Eurelectric and ENTOSOG to the HG.

## 9.5 New role and installation from the gas sector

Kees reported that the ebIX® gas-group proposed adding, especially for the gas sector, the installation “Aggregated Reception Station” and the role “Caloric Value Responsible”.

### **Homework:**

- Kees will come up with proposals for definitions and distribute to ETC for comments in due time before next HG meeting, September 24<sup>th</sup>.

## 10 Items related to the CuS project

Erik had as homework from previous meeting to try adding an extra column “Owner”, containing the enumeration (Original, Subset...), using a smaller font size for the new column:

- If difficult, Erik was asked to see if there are other ways of showing the “owner”
- Thereafter extract all code lists and put it into a Word document

However, due to summer holidays, the item was postponed.

Kees had as homework from previous meeting to distribute the Excel sheet with the ACCs, BDTs and ABIEs extracted from Magic Draw for review. The Excel sheet was reviewed at a telephone conference between the ebIX® members of the UN/CEFACT P1004 project. The Excel sheet was slightly updated and will be forwarded to UN/CEFACT.

What to publish at the ebIX® web site was postponed until next meeting.

#### **11 tWG**

The tWG has been put on hold until the ebIX® strategy discussions is finalised. The next meeting is expected after the ebIX® Forum autumn meeting.

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

Kees noted that the item originated in an announcement that the Netherlands wanted to do a benchmark. The item has no high priority and was postponed.

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

The members of the Utilities project P1004 (UN-CEFACT) had a telephone conference the week before, where the submission of CCs to UN/CEFACT was discussed. There was a few missing definitions in the list of CCs. These missing definitions were added during the ETC meeting.

The minutes from the meeting are attached.

#### **14 Status for ebIX® project for alignment with the gas sector**

The ebIX® project for alignment with the gas sector is ongoing and has planned two more meeting during the autumn. Questions for ETC was handled under item “6.7, Code questions from the ebIX® Gas project” above.

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

- Monday October 20<sup>th</sup> (**12:00 – 18:00**) and Tuesday October 21<sup>st</sup> (09:00 – 17:00) in Warsaw, with an ebIX® Forum meeting Wednesday October 22<sup>nd</sup>
  - Preparation for ebIX® Forum:
    - Try to get more participants in ETC (Germany, Slovenia, Poland, Norway...)
  - Creation of an ebIX® technical presentation
  - Review of ETC tasks in Appendix B
- Tuesday January 20<sup>th</sup> (09:15 – 17:00 (18:00?)) and Wednesday January 21<sup>st</sup> (09:00 – 16:00), Brussels (?)

## 16 AOB

### 16.1 Update of Atrias' published model

For information, Atrias has updated the published model and the related URL:

<https://model.atrias.be/umig6/>.

### 16.2 Review of Appendix A, Pending list

The Pending list in Appendix A was reviewed and several items were removed. The following items will be put on the next ETC agenda:

- Creation of an ebIX® technical presentation
- Review of ETC tasks in Appendix B

#### **Homework:**

- Jan will review the technical ebIX® PowerPoint presentation shown in Warsaw last November and thereafter distribute it to the rest of ETC before the next meeting.

## Appendix A Pending list

### A. ebIX® recommended identification scheme

Chapter 7 from the «ebIX® common rules and recommendations» should be a basis for a new chapter in the ebIX® recommended identification scheme document, see Appendix D.

### B. ebIX® Modelling Methodology

Homework from earlier meetings:

- Those who have time are asked to read the ebIX® Modelling Methodology (see [www.ebix.org](http://www.ebix.org)) and see if there are parts of it that have to be moved to the *ebIX® Rules for the use of UMM2* or *Introduction to ebIX® Models* documents.

### C. ebIX® header:

- a) Do we want the following 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.

- b) Do we need a test indicator?
- c) The content of the Energy Document and Energy Context ABIEs needs a review

## Appendix B The tasks of ETC

Task	Group	Priority	Planned
Update of Introduction to Business Requirements and Information Models		High	Every Q1
Making ebIX® 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® technical documents: <ul style="list-style-type: none"> <li>• ebIX® Rules for the use of UMM-2.0</li> <li>• ebIX® common rules and recommendations (v1r1D)</li> <li>• ebIX® 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® Header</li> </ul>	CuS, EMD and ETC Together with ENTSO-E?	Low Medium High	? 2013 2013
Maintain ebIX® 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® 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® course</li> <li>• Implementation support for participating countries, such as inserting/updating codes.</li> </ul>		Continuous	
Supporting ebIX® 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	

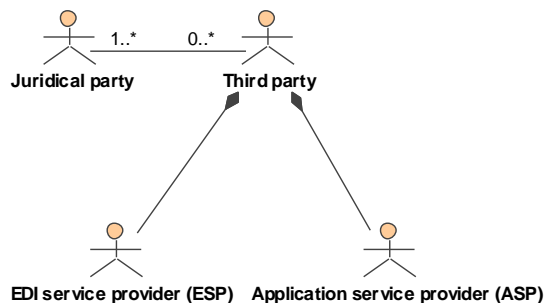
## Appendix C Participants in ETC

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## Appendix D ebIX® Rules for addressing (routing)

### D.1 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.

### D.2 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.

