


Minutes ETC meeting, January 20th and 21st, 2015	 European forum for energy Business Information eXchange
February 9 th 2015	ETC – ebIX[®] Technical Committee

Minutes ETC meeting, January 20th and 21st, 2015

Date: Tuesday and Wednesday, January 20th and 21st, 2015
Time: 09:00 – 17:45 and 09:00 – 16:00
Place: Edisys, Oslo
Present: Fedder Skovgaard, DK, Energinet.dk, cco@energinet.dk (Lync)
Jan Owe (Convenor), SE, Svenska kraftnät, Jan.Owe@svk.se
Kees Sparreboom, NL, TenneT, kees.sparreboom@cappgemini.com
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Appendices: **Appendix A**, Pending list
Appendix B, The tasks of ETC
Appendix C, Participants in ETC
Appendix D, Belgian-German homework following last ebIX gas group
Appendix E, Actions from HG meeting November 27th
Appendix F, ebIX[®] Rules for addressing (routing)



ETC - Different levels of modelling :

Attachment: , see item 3, Resolve matters from ebIX[®] Forum meetings

1 Approval of agenda

The agenda was approved with addition of

- Item 6.5, ABIES for ebIX[®] Model 2014.A
- Item 20.1, Questionnaire from UN/CEFACT under AOB

2 Minutes from previous meetings

The minutes from previous meeting were approved.

3 Resolve matters from ebIX[®] Forum meetings

Actions from ebIX[®] Forum meetings October 22nd and December 8th:

Action item 7 (October 22nd)

- ETC will make a broad analysis related to the TT, including the relation to other tools (CIM...), how the TT fit in the ebIX[®] strategy and maintenance of the TT, both as an ebIX[®] task and as an alternative maintained by another organisation.

Action item 8 (December 8th)

- ETC is asked to make a presentation that explains the “different levels of modelling and technics”, i.e. explanation of BRS, BIM, TT, xml-schemas etc., and how the relation between the “levels” is handled by UN/CEFACT and IEC.

From Thibaut:

Maybe can the following link be interesting for you

(https://model.atrias.be/manual_model_relationships/). Except for the “ebIX

Entities” part (something we made to regroup the different BusinessEntities we are

using in our BRV) and for ABIE & BDT (linked for you to ebIX:org in place of atrias:be) the rest should be correct for logical and physical links (you are not using hyperlinks in your model).

Action item 9 (December 8th)

- ETC is also asked to make a survey (inventory) of how much of the ebIX® deliverables are used by each country

Action item 7 from the October meeting and action item 8 from the December meeting were solved by drafting a PowerPoint presentation that will be finalised by mail and during next ETC.

Regarding action item 9 from the December meeting, Kees and Ove will ask CuS and EMD for input before finalisation at the next ETC meeting.

Homework:

- All is asked to comment on the PowerPoint presentation, see attached document
- Kees and Ove will ask CuS and EMD for input to the survey (inventory) of how much of the ebIX® deliverables are used by each country, before finalisation at the next ETC meeting

4 Status IEC

A first meeting in the “ebIX®/IEC trial project” was held January 8th 2015 in Brussels. Fedder, Jan, Jean Luc Sanson, Kees and Ove participated.

Kees informed that Vlatka Cordes will participate in the “ebIX®/IEC trial project” from next meeting.

Jan and Kees reported from the IEC/TC57/WG16 meeting January 14th to 16th 2015:

- The proposal for a technical report was discussed and agreed.
- Jim (chair of WG16) will send the proposal for the technical report to the IEC secretariat for voting.
- The ebIX®/IEC project will be the official working group
- The results from the ebIX®/IEC project will be on the agenda for next WG16 meeting in May

5 Smart grid

Due to lack of time the item was postponed.

6 ebIX® Business Information Model 2014.A

6.1 UN/CEFACT Core Component Maintenance Group

Kees and Ove had as homework from previous meeting checked the EMD and CuS models for “duplicate names” in association end names and the related class.

Kees informed that the ebIX® CCs have been submitted to UN/CEFACT as a trial submission:

- UN/CEFACT Core Component Maintenance Group requires that we use a new version of the spreadsheet for the official submission, including some changes (restructuring) to the naming
- UN/CEFACT Core Component Maintenance Group has offered to copy/paste from the old spreadsheet to the new one, however it seems better that we do it ourselves
- The changes (restructuring) to the naming imply changes to the ebIX® model 2015.A

Conclusion:

- We publish 2014.A as is (minimum changes) as soon as possible
- We publish 2015.A as soon as the required changes (restructuring) to the naming from UN/CEFACT Core Component Maintenance Group are implemented
- We publish 2015.B when new CCs required from CuS, the gas group etc. have been added

6.2 Review of CuS BIMs

Homework regarding CuS BIMs was postponed until the ebIX® model 2014.A is published.

6.3 Review of EMD BIMs

Homework regarding EMD BIMs was postponed until the ebIX® model 2014.A is published.

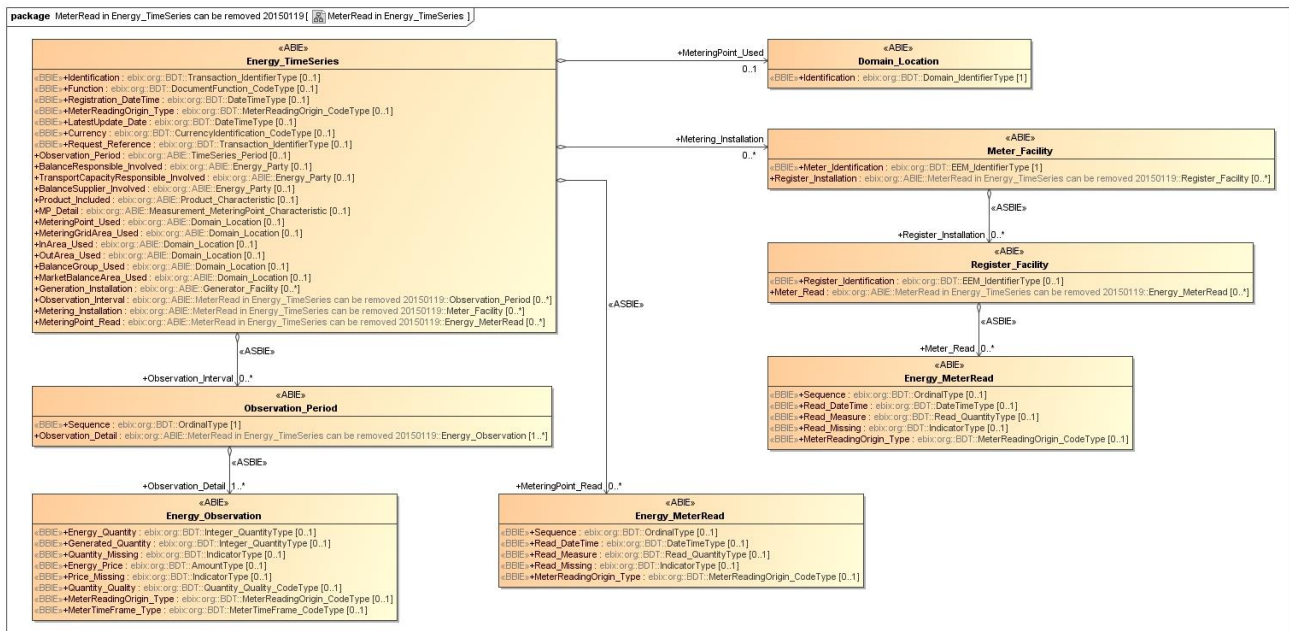
6.4 New product codes:

For information, the new product ID's (as requested by Belgium) are:

8716867000115	Power Reactive Capacitive
8716867000122	Power Reactive Inductive

6.5 ABIES for ebIX® Model 2014.A

Kees had added the class “Energy Meter Read” to the ebIX® model (see item 4 in the ETC minutes from October 21st 2014). The addition was reviewed and agreed.



7 ebIX® Business Information Model 2015.A

7.1 National code lists in the ebIX® model

Belgian homework was postponed until the ebIX® model 2014.A is published.

Thibaut had noticed by mail that the codes 406 (Notification to supplier of contract termination) and 407 (Notification to supplier of metering point changes), in the the DocumentNameCode code list, have the status "Marked for deletion". Please note that Belgium are using these in MIG6 and would like to review with other countries if they're using these.

Kees informed that none of the above mentioned codes have been deleted. However the code 406 is still marked for deprecation, while 407 is not there, and has probably never been there.

Conclusion:

- The code E44 should be used instead of 406 and the code E07 should be used instead of 407.

7.2 Code questions from the ebIX® Gas project

Homework from previous meetings:

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

Status: No answer yet - postponed

Action from previous meetings:

- ETC ask the ebIX® Gas Project to re-discuss the request for a MeterReadingOrigin, to see if a Meter Reading Quality can be used instead (see discussion in previous ETC minutes).

Status: The ebIX® Gas Project still want the requested MeterReadingOrigin code from "Metered Data Logger (installation; register/memory)". The code "E35, Taken from Data Logger" was added to the ebIX® model 2014.A.

From Thibaut November 13th 2014:

- We receive the remark that the provided list (EECS) is only for electricity production types. We also should have a gas production types code list. Can ebIX take that into account (try to find a list of the different gas production types)? I think this information is also relevant for Germany (maybe also for other countries).

Status:

- Kees informed that he has sent a request to the Dutch representative in EASEEGAS, asking for possible codes, however without any answer yet.

From latest CuS:

- Kees will send in a DMR to UN/CEFACT for addition of new measure units codes in connection to Contracted Connection Capacity Measure Unit and Measure Unit:
 - Sm³/hour (Standard cubic meter per hour)
 - Nm³/hour (Normalised cubic meter per hour)
 - Sm³/day (Standard cubic meter per day)

- Nm³/day (Normalised cubic meter per day)
- Sm³ (Standard cubic meter)
- Nm³ (Normalised cubic meter)

Status: Done

- Remove Settlement Method Code **E15** (Non-profiled netted) from the ebIX® model

Status: Marked as deprecated in ebIX model 2014.A

Actions:

- Follow up on codes for “gas product types” during next ETC
- Follow up on DMR to UN/CEFACT for addition of new measure units codes during next ETC

7.3 Request from CuS

Postponed due to lack of time

However, the Settlement Method Code **E15** (Non-profiled netted) was removed from the model, see above.

7.4 ebIX® project for alignment with the gas sector

See Appendix D, Belgian-German homework following last ebIX gas group.

The item was postponed until we have a Belgian or German member present.

8 Code lists from MD model in Word format

The publication of ebIX® code lists were put on hold due to the ebIX® budget, but will be published as soon as possible.

Homework:

- Kees will publish the current version.

9 TT (Transformation Tool)

Thibaut had sent a reminder that Belgium absolutely need an ebIX® decision during this ETC about the TT adaptations Belgium has requested.

If ebIX® decides not to ask these adaptations to Peter, Belgium will ask these by themselves (i.e. that ebIX® introduce Belgium to Peter). Belgium absolutely need these adaptations by end of March 2015 to be able to publish a new enhanced version of the Belgian XSDs including facets, patterns and all the primitive types.

Kees had made a document with proposals for new features in the TT, which was distributed to the ETC participants and Thibaut in the morning of the first day of the ETC meeting. The specification include facets, patterns and all the primitive types.

Kees also informed that the ABIE and BDT schemas will be renamed to MBIE (Message BIE) and MDT (Message Data Type) schemas. There are two reasons for this; first we get closer to what ENTSO-E and IEC are doing and second it makes what we do logically consistent.

The UN/CEFACT Core Component Maintenance Group requires that we add spaces between the words in ABIE, BBIE and ASBIE names, see item 6.1 above. This means that the TT must be able to remove these spaces when generating the XML-schemas.

Conclusions:

- The functionality for addition of UTF-8 support, facets, patterns and the primitive type binary will be implemented in the 2014.A version of the TT
- The functionality for removing spaces from ABIE, BBIE and ASBIE names will be implemented in the 2015.A version of the TT

Action:

- Kees will ask Peter to update the TT (version 2014.A) according to the reviewed specification, i.e. as a minimum to add UTF-8 support, facets, patterns and the primitive type binary

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

Facets are added to the requirements, see item 9 above. The cost for adding facets to the TT cannot be estimated before the specification is agreed.

9.2 Data types recognized and handled by the TT

Kees had as an action from previous meeting to 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).

From Thibaut:

This point is for us really important to know what will ebIX® do. If ebIX® doesn't handle these requested (and approved) changes we have to be quickly able to find another way (we will request to ebIX® to introduce us to Peter).

It was however questioned if all the primitive types are needed, i.e. Double (precision), Float, NormalizedString and Token:

Primitive	Proposal from ETC meeting
Double (precision)	Use decimal instead
Float	Use decimal instead
NormalizedString	Use datatype for codelist instead
Token	Use datatype for codelist instead

Conclusion:

- We only add the primitive type binary in the TT

9.3 Interpretation of property types by the TT

Kees had as an action from previous meeting to update the TT documentation with a text explaining that it is not possible to have two different versions of one BDT (Business Data Type) within one schema. The alternatives are:

- Making the problematic attribute(s) optional, however not the desirable option
- To create a new BDT

Action:

- Kees will add the text to ebIX® Rules for the use of OCL statements (not the TT documentation)

10 ebIX® technical documents

The homework to update the ebIX® Rules for the use of OCL statements was postponed.

The Introduction to ebIX® Models was reviewed and several chapters were updated.

Homework:

- Kees will update the Introduction to ebIX® Models, including
 - Add text in chapter 1.2.3.2 National versioning
 - Addition of text explaining that a test flag not is used in ebIX® documents
- Ove will verify that chapter 6 and 7 (CuS part) in the Introduction to ebIX® Models is up-to-date

11 ebIX®, EFET and ENTSO-E Harmonised Role Model

Resolve issues after HG meeting November 27th (see documentation in [Appendix E](#))

Kees has distributed a document regarding the removal of the functional group in the HRM, since he stumbled over some inconsistencies when looking into the task. The document was briefly reviewed. Kees will make an update before next meeting. The item will be continued at the next ETC.

Action:

- Kees will update the document regarding removal of the functional group in the HRM

12 Specifying conditions in State diagrams

The item was postponed due to lack of time.

13 Header and Context information in the Business Requirements View

The item was postponed due to lack of time.

14 Creation of an ebIX® technical presentation

The item was postponed due to lack of time.

15 Review of ETC tasks in Appendix B

The item was postponed due to lack of time.

16 Information from tWG (if any)

The next tWG meeting will take place February 10th in Brussels.

17 Benchmark test of different xml schema versions

The item was postponed due to lack of time.

18 Status for UN/CEFACT project for Alignment of Master Data for Metering Point and of Measured Data

The item was postponed due to lack of time.

19 Next meeting(s), including start and end time.

- Stockholm:
 - Tuesday March 3rd 2015, 09:00 – 17:00
 - Wednesday March 4th 2015, 09:00 - 14:00
- Priorities:
- HG homework
 - Action items from ebIX[®] Forum
 - Introduction to ebIX[®] models

20 AOB

20.1 Questionnaire from UN/CEFACT

A Questionnaire on UN/CEFACT Library Items was filled in. Kees submitted the Questionnaire to UN/CEFACT.

The basic position from ebIX[®] is that we see no responsibility for UN/CEFACT with regard to BIEs. We see the business communities as responsible. However we do see UN/CEFACT as the responsible agency for the underlying CC's and we would like to see in this respect UN/CEFACT as the sole responsible.

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 F.

B. ebIX® Modelling Methodology

Homework from earlier meetings:

- Those who have time are asked to read the ebIX® Modelling Methodology (see 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 at 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"> • ebIX® Rules for the use of UMM-2.0 • ebIX® common rules and recommendations (v1r1D) • ebIX® Recommendations for asynchronous acknowledgement and error handling (v1r0C) 		Medium	Every Q2
Other tasks: <ul style="list-style-type: none"> • Restructuring of UTIL-messages to reflect the structure of CCs (if we keep on mapping to EDIFACT) • 2nd generation Harmonized Role Model for Electricity and Gas • ebIX® Header 	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"> • Core Components • Code lists • Templates, etc. 		Continuous	
Participation/representation in the ENTSO-E and ebIX® technical WGs <ul style="list-style-type: none"> • Maintaining harmonised role model • Core Components • Information exchange between participation organisations 	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"> • ebIX® course • Implementation support for participating countries, such as inserting/updating codes. 		Continuous	
Supporting ebIX® projects, i.e.: <ul style="list-style-type: none"> • Develop and maintain the UMM <i>Business Choreography View</i> and <i>Business Information View</i> from the CuS and EMD working groups. • Develop and maintain XML schemas based on the <i>Business Information View</i> from the CuS and EMD working groups 		Continuous	

Appendix C Participants in ETC

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Appendix D Belgian-German homework following last ebIX gas group

You will find hereunder the result of the Belgian-German homework following last ebIX gas group. We succeeded to find a common list of attributes used by both countries (transmitted to the market) and in addition of this we have some German attributes more.

Business Entities classes:

		BE	DE
Meter Type (= Meter Characteristics)			
Name	Description		
Meter Display Technology	Technology used to display the information for the user: mechanical, electronic, multi-line display	v	v
Meter Installed Functionality	Functionality activated on meter, i.e. budget or metering	v	v
Meter Purpose	Purpose of the meter in a meter installation, i.e. main / check	v	v
Meter Reading Characteristics	A code used for the type of communication between a meter and the Metered data collector, i.e. automatic meter reading, manual, 2-way, 1-way	v	v
MeterType	Type of meter, i.e. Budget, Usual, Smart, PPM	v	v
Type of the Meter	For definition ask to Germany Possible values: <i>Diaphragm/bellows meters</i> <i>Rotary meters</i> <i>Turbine meters</i> <i>Orifice meters</i> <i>Ultrasonic flow meters</i> <i>Coriolis meters</i>		v
Dimension of the meter	Indicate which dimension (for gas) the meter has (e.g. G10, G25, G4,...)	in Belgium we preferred to put the maximal debit in the "installed power" G4 à 6m ³ /h	v
Attribute of the meter	For definition ask to Germany Possible values: <i>Z01 EDL40</i> <i>Z02 EDL21</i> <i>Z03 sonstiger EHZ</i>		v

Type of fixation	For definition ask to Germany Possible values: <i>BKE Stecktechnik (Befestigungs- und Kontaktierungseinrichtung) =Connector</i> <i>DPA 3-Dreipunktaufhängung = Three-Point Connection</i> <i>HUT Hutschiene = top hat rail</i> <i>Z31 Einstutzen-Zähler = Single-Pipe Meter</i> <i>Z32 Zweistutzen-Zähler = Double - Pipe Meter</i>		v
Corrector	For definition ask to Germany Possible values: DMU Dichtemengenumwerter = density corrector TMU Temperaturmengenumwerter = temperature corrector ZMU Zustandsmengenumwerter = Volume corrector		v
Register Characteristics			
Name	Description		
Calculation Type	Type of calculation performed on volumes. Types are compensation, valorization. Only needed in case of decentralized production.	v	v
Direction	The direction of the energy being measured in relation to the network it is connected to, i.e. consumption, production	v	v
Load Profile	A code defining the standard load profile.	v	v
Measuring Method	Method used to store the measures, cumulative / non-cumulative	v	v
Multiplication Factor	A factor with which the registered value needs to be multiplied with	v	v
Number of Digits	The number of digits configured on the register. Specified as a combination of total and after the decimal point, or the number before and after the decimal point.	v	v
Reporting_Base	An indication to inform about the source of the reported values. Two values are foreseen: virtual and measured.	v	v
Time of Use	The Time of Use / Timeframe during which a value is registered	v	v
Register Type			
Name	Description		
Incrementation Type	Way of cumulating registered values, i.e. cumulative, non-cumulative	v	v
Measured Energy Type	The identification / type of energy being measured, i.e. active energy, active power, ...	v	v
Metering Method	The method used for metering, such as continuous, non-continuous or not metered.	v	v

Unit of Measure	A unit of measure defining the accumulated reactive energy equal to one kilovolt ampere of reactive power per hour (CEFACT rec20_rev4E_2006.xls)	v	v
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Comments from Thibaut (Eva):

I asked in my Company if they got some more Correction for the Class diagram. They got only those two additions to Type of the Meter:

WGZ Wirbelgaszähler ***Vortex Flow Meter***

IVA Individuelle Abstimmung (Sonderausstattung: z.B. Gas-Encoder): ***Individual Setting***

Is it possible to add easily to the Business Entities classes?

Belgian BIM ABIEs:

Class BE_Meter_Characteristic:

<https://model.atrias.be/umig6/?refid= 17 0 2 2 38a017f 1372762708426 720206 35527>

Class BE_Register_Characteristic (Business entities “Register Characteristics” and “Register Type” regrouped in one ABIE):

<https://model.atrias.be/umig6/?refid= 17 0 2 2 38a017f 1372770525382 260482 41804>

You will also find in our HTML model the BDTs used for each BBIE (for your information)

The Belgian TMD information model class diagram can be found here:

<https://model.atrias.be/umig6/?refid= 17 0 2 b9402f1 1369932489995 958719 50423>

Can you add the review/creation of these attributes for next ETC meeting?

Appendix E Actions from HG meeting November 27th

E.1 New role: Metering Point Identification Allocator

Actions from previous meetings:

- ebIX®, EFET and ENTSO-E will verify if the new role **Metering Point Identification Allocator** can be added to the HRM, with the following definition:

“A role allocating Metering- and Accounting Point identification

Additional information:

ENTSO-E is responsible for allocating Accounting Point Identification for international tie-lines”

Prepared informed from MC:

- After discussion within ENTSO-E/WG-EDI, at their last meeting in October of the role "Metering Point Identification Allocator", WG-EDI could not come to a satisfactory conclusion due to the lack of information concerning the role. It is unclear what the role is supposed to do and in what context it operates. WG-EDI would appreciate it if ebIX could clarify the process before moving further.

Prepared answer from ebIX®:

- The proposal was originally to add the task of issuing MP IDs to the Grid access Provider (GAP).
- Today it is the GAP that issues MP IDs in the known downstream markets.
- However, ENTSO-E is also issuing Accounting Point IDs (a specialisation of MP), but not in the role of GAP.
- There has also been discussions in some ebIX® member countries (e.g. Belgium) to centralise the issuing of MP ID.
- ebIX® think the addition is important:
 - Unique MP IDs is a centrepiece for a well-functioning retail market and adding the task to the HRM will help to clarify the responsibilities in the market
 - If a country decides to centralise the issuing of MP IDs, there will be a lot of message exchanges between several of the roles in the HRM
- As a result ebIX® has proposed to create a new role issuing the MP IDs.

Discussion:

- KS asked if it would help to use “assign” instead of “allocate”?
- LW thinks that the issuing of MP and AP IDs in the upstream market is done by a market player together with other IDs, such as Party IDs and Area IDs, i.e. a local or central issuing office
- The role is currently not defined in the HRM
- LW also stressed that roles in the HRM should exchange electronic documents with other roles in the HRM
 - KS informed that the EIC reference manual describes several xml documents to be exchanged with the issuing offices
 - MC thinks this is a specialised exchange, not suited for the HRM

Action:

- ebIX® is asked to make better business requirements (business case), including an overview of possible document exchanges between the new role (Metering Point Identification Allocator) and other roles

E.2 Removal (deprecation) of Functional Group

Actions from previous meetings:

- ebIX®, EFET and ENTSO-E will verify if we can remove the Functional Group (deprecated) from version 2014-02, including:
 - Move the association from FG to MBA to BG to “belongs to” MBA
 - Move (add) the association from FG to MP to BG to [0..*] AP
 - Move (add) the association from FG to MP to Resource Object (RO) to “linked to” [0..*] MP
 - Move (add) the association from FG to MBA to Resource Object (RO) to MBA

Prepared informed from MC:

- Concerning the deprecation of the functional group, WG-EDI is currently reviewing any impact that may occur and will provide feedback for the next WG-EDI meeting.

Discussion:

- At the latest ENTSO-E/WG-EDI meeting it was agreed to deprecate the Functional Group
- The association from FG to MP was discussed:
 - In Poland the association goes from BG to AP
 - KS also thinks the association should go from BG to AP

Conclusion:

- We deprecate the Functional Group
- The associations will be agreed at the next HG meeting

Action:

- All will verify:
 - If the association from FG to MP should go from BG to AP or from BG to MP?
 - Should the association from Resource Object (RO) to MBA be kept and if yes:
 - Should the text on the association be “belongs to”?

E.3 New role: “ESCOs” (Energy Service Companies)

Actions from previous meetings:

- ebIX® will come up with a proposal for a definition of an ESCO and the place in the HRM

Prepared informed from MC:

- Concerning the creation of the role ESCO, WG-EDI is currently reviewing it and will provide feedback for the next meeting when a clearer picture of consumption and generation can be made.

Prepared answer from ebIX®:

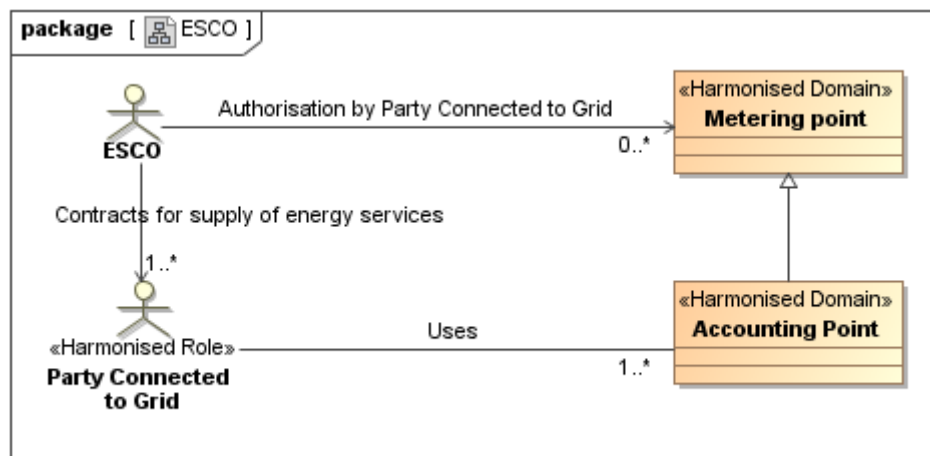
- There is an EU commission report dealing with ESCOs (ESCO Market Report 2013 – Report EUR 26691 EN). The report has the following definition for the role:

An 'energy service provider' is a "natural or legal person who delivers energy services or other energy efficiency improvement measures in a final customer's facility or premises"

- ebIX® proposes the following definition:

An ESCO provides energy efficiency services to the Party Connected to Grid, based on (metered) data from the Party Connected to Grid's Metering Point (s)

And the following implementation in the HRM:



Discussion:

- MC informed that the latest ENTSO-E/WG-EDI meeting thinks that it is too early for addition of this role to the HRM
- MC also informed that ENTSO-E/WG-EDI has asked an "TSO-expert" in the field to come up with a proposal at the next ENTSO-E/WG-EDI meeting
- ON informed that the role is regulated in several European countries, especially in countries where data hubs are implemented
- KS mentioned that there are several types of ESCOs, not only companies that receive metered data and thereafter propose efficiency services, but also companies offering "balancing and congestion services"
- LW thinks that companies offering "balancing and/or congestion services" may be expressed within the roles already in the HRM

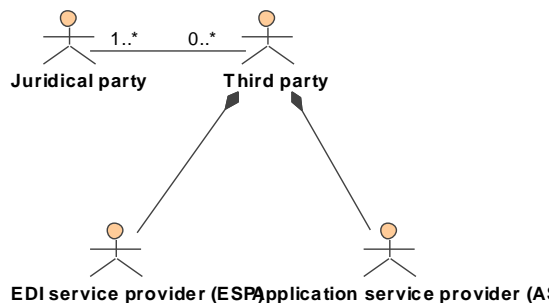
Action:

- All are asked to come up with better justifications, including companies doing "balancing and/or congestion services"

Appendix F ebIX® Rules for addressing (routing)

A.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.

A.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.

