

Minutes ETC meeting, October 12th, 2015

Date: Monday, October 12th, 2015
Time: 09:00 – 17:30
Place: Fingrid, Helsinki
Present: Christian Odgaard, DK, Energinet.dk, 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[®] Rules for addressing (routing)



Harmonized Role
Model European Ele

Attachment: see item 3.4, How to fit new roles from USEF document into the HRM (Harmonised Role Model)?



USEF Summary
2014.I.I.PDF

see item 3.4, How to fit new roles from USEF document into the HRM (Harmonised Role Model)?



ebIX_technical_pres
entation_October_2

see item 10, Creation of an ebIX[®] technical presentation (homework from Jan)

(Double click on the icon above to see the presentation or right click to edit)

1 Approval of agenda

The agenda was approved with the following additions:

- How to fit new roles from USEF document into the HRM (Harmonised Role Model)?, see 3.4
- Missing codes in Rec20, see 6.4
- Preparations for ebIX[®] Forum meeting, see 14.1 under AOB
- ABIE «Reference_Identity» vs BDT «Transaction_IdentifierType», see 14.2 under AOB
- Energy Label Technology” and “Energy Label Fuel”, see 14.3 under AOB
- Introduction to ebIX[®] Models version 1r0B, see 14.4 under AOB
- BRS for Cancellation, see 14.5 under AOB
- Can we upgrade MagicDraw (MD) to a newer version?, see 14.6 under AOB

- How to extend the possibilities for national customisation?, see 14.7 under AOB
- Plan for support for new countries that want to use the ebIX® models, see 14.8 under AOB

2 Minutes from previous meetings

The minutes from previous meeting were approved.

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

3.1 *New HG project: Harmonisation of implementation of European network codes within Harmonised Role Model (HRM), the role of HG and tWG*

Due to lack of time the item was postponed.

3.2 *New role “Metering Point Identification Allocator”*

Due to lack of time the item was postponed.

Making a better justification (requirements) for adding a new role “Metering Point Identification Allocator” to the Harmonised Role Model (HRM)

3.3 *New role “ESCO (Energy Service Company)”*

Thibaut had as action from previous meeting checked in the Belgium market which roles are discussed related to Smart-Grid and flexibility and informed that ENTSO-E will publish an official ESCO definition within the end of October. Within the Belgian flexibility project it has been defined two new roles related to flexibility, i.e.

Balancing Service Provider

A market role that offers balancing services to the TSO

Flexibility Service Provider

A market role which sends a signal to a Producer or Consumer and offers its flexibility to a third party. An Aggregator is a FSP with a pool of flexibilities.”

3.4 *How to fit new roles from USEF document into the HRM (Harmonised Role Model)?*

Keels showed a presentation showing new roles and domains from USEF (Universal Smart Energy Flexibility (?)) related to flexibility and e-mobility, such as Flexibility Operator, Aggregator, Prosumer, e-mobility customer, Charging Station etc. The presentation is attached.

Conclusion:

- The ebIX® HG participants will bring the presentation to the next HG meeting.

4 ebIX® technical documents

The “Introduction to ebIX® Models” and the “ebIX® Rules for the use of OCL statements” was reviewed and will be published after circulation for comments to ETC for two weeks.

Action:

- The “Introduction to ebIX® Models” and the “ebIX® Rules for the use of OCL statements” will be sent on circulation for comments to ETC for 14 days before publication.

5 Status and continuation of ebIX®/IEC trial project

Jan and Ove had drafted a status presentation for the ebIX® Forum, which was reviewed and updated.

6 ebIX® Business Information Model 2014.A

6.1 Status

The following “error” is on the list of updates for the TT:

- The generated XML schema “260_000041_0p1pA.xsd” (Assembled Document Type code) is missing an “include” of “260_000010_0p1pA.xsd” (ebIX® original). The “include” is based on a generalisation from “ebIX® original Document Name Code” to “ebIX® assembled Document Name Code” in the MD Model, which seem to be there.

Jan had noted two corrections for the BRS Measure Calorific Value 1r0-:

- 1) The text: “Since this is the first version of the document that is to **be** (?) published...” should be removed or rewritten after publication
- 2) “**Established Calorific**” is written with two spaces nine times

From CuS there are four available BIMs:

- Change of Supplier
- Change of Balance Responsible Party
- End of Supply
- Notify MP Characteristics

However, the BIM for Change of Balance Responsible Party and End of Supply was created about an year ago and we need to verify if they are in line with the latest ebIX® model.

Actions:

- The BBIE “Metered Data Collection Method” was added to the «ABIE» “MeteringPoint_Characteristic”
- Kees will correct the following in the next version of BRS Measure Calorific Value:
 - The text: “Since this is the first version of the document that is to **be** (?) published...” will be removed or rewritten (since the BRS already is published)
 - “**Established Calorific**” is written with two spaces nine times
- Ove will verify if the XML schemas from the BIM for Change of Balance Responsible Party and End of Supply are valid.
- Ove will update the BIM for Notify MP Characteristics with the “new” “Metered Data Collection Method”
- Ove will publish the four CuS BIMs after verification
- Kees will publish the ebIX® model after the CuS BIMs have been published

6.2 Review of CuS BIMs

Ove had as homework from previous meeting cleaned-up the Change of Supplier BIM, version 2014.A, the BIM for Alignment of MP Characteristics, version 2014.A (BRS from February 2014), and sent it on circulation for comments to ETC, with a copy to CuS, for four weeks. No comments were received and the BIMs will be published, see also actions under item 6.1 above.

6.3 Review of EMD BIMs

Kees had as homework checked the XML schemas for the EMD BIMs and published them, i.e. all except Measure for calorific value, which will await 2015.A,

6.4 Missing codes in Rec20

The “missing codes” are now available and already added to the ebIX® Model.

7 ebIX® Business Information Model 2015.A

7.1 Agreed additions to the ebIX® Business Information Model 2015.A

The following changes are agreed for ebIX® Model 2015.A (see justifications below):

- 1) Change the cardinality of the association from “MP Event” to “MP Address” to [0..*]
- 2) Addition of a language attribute to “MP Address”
- 3) Addition of ISO Language codes (ISO 639-1988)
- 4) Addition of Aggregated Reception Station (ARS), as an ASBIE, with a XOR between the ARS and Calorific Value Area (CVA)
- 5) Addition of CVA, as an ASBIE, with a XOR between the ARS and CVA
- 6) Rename of MP Characteristics class to MP Administrative Characteristics
- 7) Addition of MP Physical Characteristics, containing:
 - a. Connection Status (Moved from MP Administrative Characteristics)
 - b. Disconnection Method
 - c. Capacity of Metering point (Moved from MP Administrative Characteristics)
 - d. Voltage Level (Moved from MP Administrative Characteristics)
 - e. Pressure Level (Moved from MP Administrative Characteristics)
- 8) Addition of Capacity of a Metering point
 - a. Definition:

Capacity of a Metering point is the maximum capacity of the Metering Point.

For electricity the maximum capacity for the Metering Point is given by the nominal voltage level, number of phases and current limitations.

For gas the maximum capacity for the Metering Point is given by the physical constraints of the Meter.
- 9) Addition of MP Administrative Characteristics / Sustainable Energy
- 10) Addition of MP Administrative Characteristics / Disconnection Contract (Boolean)
- 11) BIM for settle reconciliation:
 - a. The BRS for settle reconciliation asks for a price per measure unit. We have now only a measure unit for the product and its volume. Kees suggest that we solve this in version 2015.A.
- 12) BIM for Notify MP characteristics:
 - a. The Country Name (text) in the MP Address class will be changed to Country (coded)

13) Rename of Technology Code to “Energy Label Technology” and addition of the “Energy Label Fuel”

To be discussed and agreed:

14) Addition of a maxLength of 35 characters for Document and Payload ID – request from NEG (Nordic Ediel Group)

- a. Belgium will use a GUID, which is 36 characters

Continued homework:

- Ove will do the rest of the BIMs, as version 2015.A as soon as the ebIX® model is finalised:
 - Change of Metered Data Responsible
 - Change of Transport Capacity Responsible Party
 - Customer Move
 - End of Metered Data Responsible
 - Alignment of MP characteristics (if ready from CuS)
 - Alignment of Meter characteristics (if ready from CuS)

How to represent the exchange of calorific value in ABIEs was postponed until next meeting.

7.2 National code lists in the ebIX® model

Actions from previous meetings:

- 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

Conclusion:

- The item is postponed until ebIX® update to MagicDraw version 18.x.

7.3 codeListAgencyIdentifier usage in ebIX® model

Actions from previous meetings:

- Thibaut will make one or more proposal(s) for how to simplify the ebIX® rules for usage of “list Agency Identifier” and “list Identifier”.

Conclusion:

- The item is still under discussion in Belgium, i.e. postponed

7.4 Need for test-flag in the header of the documents

From Thibaut:

I was looking for some code into the DocumentFunctionCode list from UN/CEFACT (<http://www.unece.org/trade/untdid/d00a/tred/tred1225.htm>) and I noticed the code 53 – Test (“Code indicating the message is to be considered as a test.”). I remembered then that we once received the question about the possibility to add a test indicator to our messages.

We could then maybe use this code in the BBIE *Function* to indicate that a message is for test purpose only.

I checked the 2014.A version of ebIX model and I see that the attribute *Function* is only foreseen for ABIEs Energy_TimeSeries, CollectedData_TimeSeries, MeasuredData_Request but not in MasterDataMP_Event nor MP_Event nor Response_Event. If we only add this attribute to these ABIEs, we will be sure that all payload (and then all messages) will support a kind of test indicator.

Reply from Fedder:

If I recall correctly we concluded that it was a bad idea to add an attribute in the payload of the messages to indicate that it was for testing purposes.

Reply from Thibaut::

For the ones using the “Document” version of messages, they will have a header, a process and at least one payload and then it could be feasible to put the “test” information on another level than the payload. For the ones using the “Payload” version of messages, they only will have at least one payload (no header and no process) and then it would mean that they couldn’t perform “test” messages.

Christian informed that all tests are done using a separate test system, with different communication addresses, i.e. there is no need for the test flag. And, Thibaut informed that the test flag is not used in Belgium.

Conclusion:

- No test flag is added for the time being

8 Code lists from MD model in Word format

Due to lack of time, the item was postponed.

9 TT (Transformation Tool)

The TT is being developed by a Polish company. Thibaut and Kees informed that they have been testing many versions of the TT since May of this year. The TT seems to become more and more “mature” and a final version is expected within the end of October (this year).

10 Creation of an ebIX® technical presentation

Due to lack of time, the item was postponed.

11 Information from tWG (if any)

No information exchanged.

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

Kees informed that some of the ten codes we requested for Utilities, which DMR's was discussed during the U/CEFACT Forum meeting in Geneva, are missing in the rev11e2015 for UN/REC20. Maybe something went wrong. Kees has asked UN/CEFACT for a reason and how to correct this.

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

Most likely: Monday December 7th and Tuesday December 8th 2015 in Stockholm.

14 AOB

14.1 Preparations for ebIX[®] Forum meeting

An ETC Status presentation had been drafted from Jan and Ove and distributed to the ETC members a week before the meeting. Further on, Lucy had sent a mail informing that she think it is extremely important that ETC comes with an aligned position about the methodology, which the ebIX[®] Forum can approve. Jan had therefor promised that ETC will do its best to prepare an answer.

The status presentation for ebIX[®] Forum was reviewed and updated.

14.2 ABIE «Reference_Identity» vs BDT «Transaction_IdentifierType»

Kees explained that these are domains and we may expect, at a later time, to get properties (attributes, master data ...) connected to them.

Conclusion:

- We keep the current way of modelling

14.3 Energy Label Technology" and "Energy Label Fuel"

CuS asks ETC to make sure that we have both the Technology Code and Fuel Code from the "EECS Rules Fact Sheet 5 - Types of energy inputs and technologies" in the ebIX[®] model and update related ABIE etc.

CuS propose to rename Technology Code to "Energy Label Technology" and add the "Energy Label Fuel".

Conclusion:

- The rename of Technology Code to "Energy Label Technology" and addition of the "Energy Label Fuel" will be added to the list of updates for 2015.A

14.4 Introduction to ebIX[®] Models version 1r0B

CuS ask ETC to publish the document "Introduction to ebIX Models version 1r0B" as soon as possible.

The latest version of the document was reviewed and some comments in the document agreed.

Action:

- Kees will distribute the document to ETC for **two weeks** of commenting. Thereafter the document will be published

14.5 BRS for Cancellation

CuS ask ETC to discuss the need for a Business Reason Code (E05 Cancellation) and a Document Name Code (E67 Request regarding Cancellation) in the header.

If the Document Name Code is kept, we need a new Document Name Code for Cancellation of Notification (today E44 is used in the BRS).

Conclusion:

- A new Document Name Code “**E78** Cancellation of notification” was added to the ebIX® model version 2014.A

Action:

- Ove will update the BRS with the new code and send the BRS on circulation for comments for four weeks to ebIX® Forum and CuS
- Kees will forward the BRS to EMD

14.6 Can we upgrade MagicDraw (MD) to a newer version?

- Thibaut mentioned that there was problems with tagged values in version 18.0, while Pawel had good experience with version 18.1 in Poland. The latest version is 18.2.
- Kees proposed to await an upgrade until we have the new version of the TT – expected by the end of October
- Ove informed that he has got a new PC and have problems installing MagicDraw version 17.0 in this PC – it seems to be problems installing the old version of Java that MD version 17.0 requires (JRE 1.6_22)

Conclusion:

- We will wait until the new version of the TT is available before upgrading MD

14.7 How to extend the possibilities for national customisation?

Kees has looked into the possibility to include “empty activities” that can be used for national extensions, however not yet workable.

Since this is a one-day meeting, the item will be added to the next ETC agenda.

14.8 Plan for support for new countries that want to use the ebIX® models

Kees proposed making a plan for support for new countries that want to use the ebIX® models.

Thibaut promised to share a Belgian document “MagicDraw user guide for ebIX® models”.

Since this is a one-day meeting, the item will be added to the next ETC agenda.

Action:

- Thibaut will distribute the Belgian “MagicDraw user guide for ebIX® models” to ETC as a basis for discussion regarding support for new countries

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) 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) 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	2016
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"> • 2nd generation Harmonized Role Model for Electricity and Gas • ebIX® Header 	HG	Medium High	2016 2016
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	

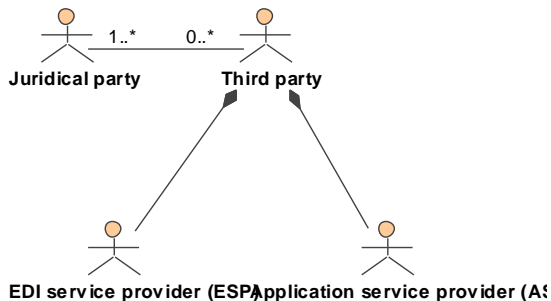
Appendix C Participants in ETC

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Appendix D 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.

