

## Minutes ETC meeting, June 30th and July 1st, 2015

**Date:** Tuesday and Wednesday, June 30th and July 1st, 2015  
**Time:** 09:00 – 17:30 and 09:00 – 16:00  
**Place:** TenneT, Arnhem  
**Present:** Jan Owe (Convenor), SE, Svenska kraftnät, [Jan.Owe@svk.se](mailto:Jan.Owe@svk.se)  
Kees Sparreboom, NL, TenneT, [kees.sparreboom@capgemini.com](mailto:kees.sparreboom@capgemini.com)  
Ove Nesvik (Secretary), NO, EdiSys, [ove.nesvik@edisy.no](mailto:ove.nesvik@edisy.no)  
Pawel Borkowski, PL, RWE IT Poland Sp. z o.o., [Pawel.Borkowski@rwe.pl](mailto:Pawel.Borkowski@rwe.pl)  
**Appendices:** **Appendix A**, Pending list  
**Appendix B**, The tasks of ETC  
**Appendix C**, Participants in ETC  
**Attachment:** None

### 1 Approval of agenda

The agenda was approved with the following additions:

- Identification schemes see 14.1 under AOB

### 2 Minutes from previous meetings

The minutes from previous meeting were approved.

### 3 ebIX<sup>®</sup>, EFET and ENTSO-E Harmonised Role Model

Version 2015-01 of the Harmonised Role Model is agreed by the HG and the following actions were agreed during the latest HG meeting June 2<sup>nd</sup> and 3<sup>rd</sup>:

- MC will distribute a draft version of 2015-01 of the HRM to the members of the HG
- ebIX<sup>®</sup> EFET and ENTSO-E will be asked to approve version 2015-01

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

The item was postponed.

#### 3.2 *New role “Metering Point Identification Allocator”*

The item was postponed.

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

The item was postponed.

#### 4 ebIX® technical documents

An updated “ebIX® Rules for the use of OCL statements document” from Kees was reviewed. The document will be sent to ETC for comments. In addition Pawel, who will use it for the implementations in Poland, will have a special responsibility to comment on the document. A status will be put on the next agenda and thereafter the document will be published at the ebIX® website.

##### **Homework:**

- Kees will verify that the HRM related artefacts are correct and thereafter publish the Introduction to ebIX® Models
- The “ebIX® Rules for the use of OCL statements” will be published after the ETC meeting October 12<sup>th</sup> 2015, unless Poland or others have blocking comments (experiences)

#### 5 Status and continuation of ebIX®/IEC trial project

Jan informed that Jean-Luc had sent a mail, proposing a change to the TR: “Some modifications needed in the mapping part 7;4 and 8. As there is a MktActivityRecord in 62325, we should use this class and not make a new class MarketActivityRecord.”

Kees informed that there were no comments to the Technical Report (TR) at the latest IEC/TC57/WG16 meeting. The project group should continue the work, with the ambition to finish the R before the next WG16 meeting in the end of September. However it doesn’t seem realistic to finalise the work in such short time.

The current TR is based on several BRSs from both CuS and EMD, however there are still several BRSs missing. Especially the MP- and Meter-Characteristics documents have a lot of elements that has to be mapped to CIM, hence it was proposed to do the mapping of the Master Data at the next face-to-face meeting.

It was planned a GoToMeeting on August 17<sup>th</sup> (10:00 – 12:00 (latest)) and a face-to-face meeting in Oslo Wednesday August 26<sup>th</sup> and Thursday August 27<sup>th</sup>.

Kees and Jan reported that the MC (ENTSO-E Market Committee) acknowledges the contributions to IEC from both ENTSO-E and ebIX.

##### **Actions:**

- Kees will make mapping proposals for the rest of the EMD BRSs
- Ove will make mapping proposals for the rest of the CuS BRSs, except for those related to Master Data
- Kees will split the model and align it with the latest proposal from Jean-Luc

#### 6 ebIX® Business Information Model 2014.A

##### *6.1 Status*

Ove had updated the Change of Supplier BIM from CuS, which is the most complicated of the prioritised BIMs. For EMD “75%” of the BIMs are ready.

Pawel informed that the Change of Supplier and MP characteristics BIMs from CuS, and the metered data for billing energy from EMD are the most important for BIMs for Poland.

Some common layout principles were agreed for both the CuS and EMD BIMs:

- References should be made with only a square bracket, i.e. ~~{see [1]}~~
- The “standard text” in chapter 1.5 shall be updated in all BIMs, i.e.:

“In the model...” should be changed to “In the modelled processes (UseCases and Activity diagrams) specified in the next paragraphs, ....”

- The parentheses “(XML, EDIFACT, web services)” in chapter 1.6 shall be removed in all BIMs
- Stereotypes in plural should be written as plan text with the stereotype in parentheses, e.g. “business partners («BusinessPartner»)”
- Stereotypes should be written without spaces in between words, with exception for «Harmonized Role», which is written with a space
- We have earlier agreed that the long stereotypes should be used in the Requirements View, while the short stereotypes should be used in the Collaboration- and Information Views, however with an exception for the «bEntity» («BusinessEntity»), which should have the short stereotypes in the Requirements View (since it is the only object used in both the Requirements View and the Information View). However, this is no big issue and can be updated in a later version.
- The status of the BIMs shall be “Approved” when published at [www.ebix.org](http://www.ebix.org)

**Homework:**

- In addition to CuS and EMD homework (see below), Kees and Ove will coordinate the publication of model version 2014.A during the last two weeks of August.

**6.2 Review of CuS BIMs**

Ove had as homework updated the CuS BIM for Change of Supplier that, which was reviewed.

**Homework:**

- Ove will do a clean-up of the Change of Supplier BIM, version 2014.A, send it on circulation for comments to ETC, with a copy to CuS, for four weeks. Thereafter the BIM will be published at [www.ebix.org](http://www.ebix.org). The clean-up includes:
  - Verify that page brakes are logical
  - Add Dependencies between MP and Domain Location Used, and between Role IDs and Energy Party ID, in Requirement- and Information Views, in the dependency matrixes
  - Add header and context information to the Requirements View in the model, however without updating the BRS
- Thereafter Ove will give priority to finalising the BIM for Alignment of MP Characteristics, version 2014.A (BRS from February 2014), and send it on circulation for comments to ETC, with a copy to CuS, for four weeks before publication
- Ove will do the rest of the BIMs, as version 2015.A, i.e. within end of 2015, for review by ETC:
  - End of Supply
  - Change of Balance Responsible Party
  - 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)

### 6.3 Review of EMD BIMs

Kees had as homework updated the EMD BIMs for Measure Determine Meter Read, Measure Collected Data and Measure for Imbalance Settlement. The BIMs were reviewed and some changes agreed, see “common layout principles” under item 6.1 above.

#### Homework:

- Kees will check the XML schemas, send the BIMs to EMD for information and thereafter publish the following BIMs:
  - Measure Determine Meter Read
  - Measure Collected Data
  - Measure for Imbalance Settlement
- Kees will finalise the rest of the EMD BIMs, including verification of the XML schemas. Thereafter send them on circulation for comments to ETC for four weeks, before publication at [www.ebix.org](http://www.ebix.org).

## 7 ebIX® Business Information Model 2015.A

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

The meeting concentrated on finalising version 2014.A and the following changes agreed for ebIX® Model 2015.A will be handled at the next ETC meeting:

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

### *7.2 Code questions from the ebIX® Gas project*

This item is CuS responsibility and will be removed from the ETC agenda.

### *7.3 National code lists in the ebIX® model*

Postponed until Belgium is participating.

### *7.4 codeListAgencyIdentifier usage in ebIX model*

Postponed until Belgium is participating.

### *7.5 How to specify the length of IDs*

A request from NEG (Nordic Ediel Group) to add a **maxLength** of 35 characters for Document and Payload IDs was put on the list of changes in version 2015.A, see item 7.1 above.

## **8 Code lists from MD model in Word format**

The item was postponed.

## **9 TT (Transformation Tool)**

Kees informed that the updated TT will be available later this week (week 27, 2015). Ove volunteered to test it, in connection to the generation of new XML schemas related to update of CuS BIMs.

## **10 Creation of an ebIX® technical presentation**

### **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 in October 2015

## **11 Information from tWG (if any)**

Kees and Jan reported that the MC agrees to stop the activities in tWG in its current form and redefine them under a new ToR, and asks the ENTSO-E secretariat to inform ebIX® of this decision. The task is to be performed by the Secretariat with the support of the relevant WG.

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

Kees has received “an offer” for addition of the ebIX® CC into the UN/CEFACT CCL. I.e. to do an assessment of the ebIX® CCs before a potential addition to the CCL (Core Component Library).

**Conclusion (continued):**

- Kees will send the resulting CC spreadsheet from the ebIX® model 2014.A to UN/CEFACT for assessment and possible inclusion in CCL.

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

- Monday October 12<sup>th</sup> in Finland, with a following ebIX® Forum meeting Tuesday October 13<sup>th</sup>.

**14 AOB**

*14.1 Identification schemes*

Kees asked if ebIX® should do anything regarding identification schemes, especially related to installations (smart grid).

**Homework:**

- Kees will, together with Vlatka, prepare a few slides regarding the topic, to be added to the ETC status presentation for the autumn ebIX® Forum

## Appendix A Pending list

### A.1 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.

### A.2 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.

### A.3 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	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"> <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>• 2<sup>nd</sup> generation Harmonized Role Model for Electricity and Gas</li> <li>• ebIX® Header</li> </ul>	HG	Medium High	2016 2016
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

Name	Company	Telephone	Mobile	E-mail
Andrej Bregar	Informatika			<a href="mailto:andrej.bregar@informatika.si">andrej.bregar@informatika.si</a>
Christian Odgaard	Energinet.dk	+45 76 22 44 63	+45 23 33 85 55	<a href="mailto:cco@energinet.dk">cco@energinet.dk</a>
Fedder Skovgaard	Energinet.dk		+45 233 38 521	<a href="mailto:fsd@energinet.dk">fsd@energinet.dk</a>
Jan Owe (Convenor)	Svenska kraftnät	+46 10 475 82 85	+46 705 396 930	<a href="mailto:Jan.Owe@svk.se">Jan.Owe@svk.se</a>
Jari Hirvonen	Fingrid		+358 403 551 720	<a href="mailto:Jari.Hirvonen@fingrid.fi">Jari.Hirvonen@fingrid.fi</a>
Kees Sparreboom	TenneT		+31 622 66 7911	<a href="mailto:kees.sparreboom@capgemini.com">kees.sparreboom@capgemini.com</a>
Ove Nesvik (Secretary)	EdiSys	+47 22 42 13 80	+47 928 22 908	<a href="mailto:ove.nesvik@edisys.no">ove.nesvik@edisys.no</a>
Pawel Borkowski	RWE IT Poland Sp. z o.o.			<a href="mailto:Pawel.Borkowski@rwe.pl">Pawel.Borkowski@rwe.pl</a>
Thibaut Helin	Atrias			<a href="mailto:thibaut.hellin@atrias.be">thibaut.hellin@atrias.be</a>
<b>For information:</b>				
Alexander Pisters	E WIE EINFACH Strom & Gas GmbH	+49 234 515-2442	+49 162 257 5428	<a href="mailto:Alexander.Pisters@rwe.com">Alexander.Pisters@rwe.com</a>
Cédric Dufour, Atrias	Atrias			<a href="mailto:Cedric.Dufour@Atrias.be">Cedric.Dufour@Atrias.be</a>
Chris de Jonge	Atrias			<a href="mailto:chris.dejonge@atrias.be">chris.dejonge@atrias.be</a>
David Batič	Energy Agency of the Republic of Slovenia			
Gerrit Fokkema	EDSN	+31 355 480 180	+31 622907787	<a href="mailto:gerrit.fokkema@edsn.nl">gerrit.fokkema@edsn.nl</a>
Jon-Egil Nordvik	Statnett	+47 22 52 70 00	+47 975 36 303	<a href="mailto:jon-egil.nordvik@statnett.no">jon-egil.nordvik@statnett.no</a>
Joerg Wiemann	RWE			<a href="mailto:Joerg.wiemann@rwe.com">Joerg.wiemann@rwe.com</a>
Lucy Sarkisian	TenneT		+31 613 643 092	<a href="mailto:l.sarkisian@tennet.org">l.sarkisian@tennet.org</a>
Stefan De Schouwer	Atrias			<a href="mailto:Stefan.DeSchouwer@atrias.be">Stefan.DeSchouwer@atrias.be</a>
Tomaž Lah	Energy Agency of the Republic of Slovenia			<a href="mailto:Tomaz.Lah@agen-rs.si">Tomaz.Lah@agen-rs.si</a>
Vlatka Cordes	RWE			<a href="mailto:Vlatka.Cordes@rwe.com">Vlatka.Cordes@rwe.com</a>
<b>Observers:</b>				
Carsten Brass	EDNA	+49 241/9671 194		<a href="mailto:Carsten.Brass@kisters.de">Carsten.Brass@kisters.de</a>