

<b>Minutes ETC meeting, September 27<sup>th</sup>, 2022</b>	 <b>European forum for energy Business Information eXchange</b>
September 28 <sup>th</sup> , 2022	<b>ETC – ebIX<sup>®</sup> Technical Committee</b>

## Minutes ETC meeting, September 27<sup>th</sup>, 2022

**Date:** September 27<sup>th</sup>, 2022  
**Time:** Tuesday 10:00-12:00 and 13:00 – 15:00  
**Place:** GoToMeeting  
**Present:** Jan (NL), EDSN  
Jan (SE), Svenska kraftnät  
Kees, TenneT  
Ove, Edisys

**Appendix A:** ebIX<sup>®</sup> rules for how to make MRs to WG16

**Attachment:**

1. Appendixes for ETC minutes (docx)
2. ETC workplan (see ebIX<sup>®</sup> file manager at <https://filemanager.ebix.org/#>)

### 1 Approval of agenda

The agenda was approved with the following additions:

- Not yet mapped attributes from the BRS for Alignment of metering configuration characteristics, see item 5.1.6.
- MRs to ENTSO-E CIM EG Retail market subgroup, see item 5.3.
- MagicDraw 19.0, see item 11.1 under AOB.

*Prioritised items:*

- 3 Liaison report for IEC TC57 Plenary Meeting 26<sup>th</sup> – 28<sup>th</sup> October 2021 – Prioritised item
- 7 Resolve HG issues - Prioritised item on ETC meeting September 27<sup>th</sup>

### 2 Approval of minutes from previous meetings

The minutes from previous meetings were approved.

### 3 Liaison report for IEC TC57 Plenary Meeting 26<sup>th</sup> – 28<sup>th</sup> October 2021 – Prioritised item

Heiko Englert, Secretary TC57, has asked Vlatka to provide a streamlined liaison report for the upcoming TC57 plenary meeting in Munich, Germany on 14<sup>th</sup> and 15<sup>th</sup> November 2022.

At the previous ETC meeting a liaison report was drafted based on the previous report. However, it was proposed added an issue to the third slide (Issues, questions & decisions to be discussed): “ebIX<sup>®</sup> foresees issues in alignment of different versions of CIM modules and profiles used in different work areas”. But before finally agreed, it was agreed to raise the question in WG 16 before adding it to the TC57 report.

Jan (SE) informed that he had presented the European way of having the ESMP as a step between the basic CIM and the implementable documents (ABIES). This was new to many of the US participants, where the profile is the implementable documents.

After some discussions, it was agreed to raise the discussion related to “*ebIX® foresees issues in alignment of different versions of CIM modules and profiles used in different work areas*” in the ENTSO-E retail market group instead of adding it to the TC57 presentation.

**Conclusion:**

- Kees and Jan (SE) will raise the discussion “*ebIX® foresees issues in alignment of different versions of CIM modules and profiles used in different work areas*” in the ENTSO-E retail market group.

The presentation was sent to Vlatka for forwarding to TC57 after this meeting.

Item closed.

**4 Status for a common ebIX®, EU DSO Entity, ENTSO-E (CIM EG) and ENTSOG Area project**

Information added to the minutes after the meeting:

Currently we have the following confirmed participants in the common European energy market “Alignment of master data for areas” project:

Name	Company	Representing
Bartosz Kwiatkowski	PSE	ebIX®
Douglas Hill	ENTSOG	ENTSOG (observer)
Gerrit Fokkema (Convenor)	EDSN	ebIX®
Jon Egil Nordvik	Statnett	ENTSO-E/CIM EG
Kees Sparreboom	TenneT	ebIX® or ENTSO-E
Ove Nesvik (Secretary)	EdiSys	ebIX®
?	?	EU DSO Entity

We are still awaiting a response from the EU DSO Entity regarding their participation (October?).

It is scheduled a meeting between ebIX® and the EU DSO Entity this Friday where the next cooperation steps will be planned. Hopefully we get a status from the EU DSO Entity there.

**5 Resolve ebIX®/IEC issues**

**5.1 Making a European Style Downstream Market Profile (ESDMP)**

**5.1.1 [MRs to WG16 CIM modelling team and Information from IEC meetings](#)**

MRs to WG16 and their status are found in a separate document “MRs from ebIX to WG16”. The document can be downloaded from the ebIX® File Manager.

Minutes from WG16 meetings can be found at: [WG16 / Modelling-Team-Minutes](#).

Jan (NL) informed that he has updated the cloud version of ESDMP with the newest CIM model received from Becky.

*Continued actions:*

- Kees will try finding the definition of source and target for associations according to UML and CCTS.
- Jan (SE) and Kees will try finding contradictions between the usage of source and target between basic CIM (301) and ESMP (351).

5.1.2 [MRs based on Dutch requirements](#)

Continued actions:

- Kees will add a MR to the series of other MRs that will be sent from ebIX® based on the Dutch requirements for changing the cardinality of the association between Acknowledgement\_MarketDocument and Sender\_MarketParticipant/Receiver\_MarketParticipant from mandatory [1] into optional [0..1].
- Kees will try to come up with a refined table showing the Dutch MRs, including examples.
- Kees will investigate the usage of a reference to a related document (probably only used in the acknowledgement in the Netherlands) and see if he can find a justification of the “rename of the association named Original Market Document to something more generic”.
- Jan (NL) and Kees will go through the Dutch MRs and see if more of the MRs are MRs to 62325-351 (ESMP).
- Jan (NL) will investigate if the attributes measureUnit and priceMeasureUnit should be associations to the Unit class in 301 (MeasureUnit class in ESDMP) instead of attributes in the Product class. According to Kees the measureUnit and priceMeasureUnit should be attributes in the Product class because of normalisation rules.

5.1.3 [MRs based on Nordic requirements](#)

Ove had as action added the 13 proposed Nordic extension, briefly reviewed at our previous meeting, to the common ETC Teams excel sheet. The added rows are mark as “Nordic requirement for further discussion in ETC”. In addition, 2022/017 is marked as “Sent to Retail market group”.

New issues from NMEG:

#	Proposed Nordic extension	Comment	NMEG action	ETC conclusion
1.	Add the ACC Meter with the attributes connection-Category and mRID to ESMP and association from MarketEvaluation-Point.	The attribute mRID is used to tell the Meter ID in AP Characteristics.  The connectionCategory could be used for “Meter read collection method”, ref BRS for Alignment of metering configuration characteristics.  The Meter is already part of IEC61968/Metering	Jan (SE)/Ove will ask ETC if we shall make a MR	Will be a part of the action item related to Metering Configuration Characteristics.
2.	Add the following Attributes to Register, added to ESDMP (not in ESMP):  a) rightDigitCount b) leftDigitCount c) touTier touTierName	There is an ebIX® requirement for attributes for “Number of integer digits” and “Number of decimal digits”, ref. BRS for Alignment of metering configuration characteristics.  There is a need for a MeterTimeFrame attribute (tou = Time Of Use), BRS for Alignment of metering configuration characteristics.	Jan (SE)/Ove will ask ETC if we shall make a MR	Will be a part of the action item related to Metering Configuration Characteristics.

Jan (SE) had as action from previous meeting to ask the ENTSO-E retail market subgroup if we should make an MR for “Addition of the attribute “connectionState” to MarketEvaluationPoint”, however not yet submitted. The attribute is

used in the ebIX® BRS for AP Characteristics and is already present in UsagePoint but not in ESMP. See ebIX® MR 2022/017.

After some discussions, it was agreed making a MR instead.

**Action:**

- Ove will make ebIX® MR 2022/017 for addition of the attribute “connectionState” to MarketEvaluationPoint”, including addition of the currently used ebIX® Enn codes and send to Jan (SE) for forwarding to ENTSO-E retail market group.

#### 5.1.4 [Status for governance of reference models: basic IEC CIM and ESDMP \(follow-up item on the agenda\)](#)

Alvaro is maintaining the latest version of the ESMP, based on decisions in CIM EG. Hence, these updates are extensions to the CIM 62325-351 standard. Currently the ESDMP is maintained by ETC.

*Continued action:*

- Kees/Jan (SE) will ask the Retail market group if IEC/CIM is the common information model to be used in all new process specifications by the European TSOs.

#### 5.1.5 [Suggestions from TR 62325-103 yet to be handled](#)

Based on “Suggestions from TR 62325-103 yet to be handled status 2022-06-22.pdf” from Jan (SE).

- At an AccountingPoint you can have values of different kind, such as Active Energy, Reactive Energy, ...
  - Proposal: Add a Product class, with Product type and a Measure unit and associate it with TimeSeries, MarketEvaluationPoint and RegisteredResource.
  - Currently added to the “ebIX® Excel sheet” as ebIX® MR 2021/035

Jan (NL) had investigated if the meterTimeFrame is in use in the Netherlands:

- In the Netherlands the meterTimeFrame is in use, however added as the attribute “timeFrame\_type” in Register.
- to touTierName will be added to future changes for the Dutch implementation.

**Continued action:**

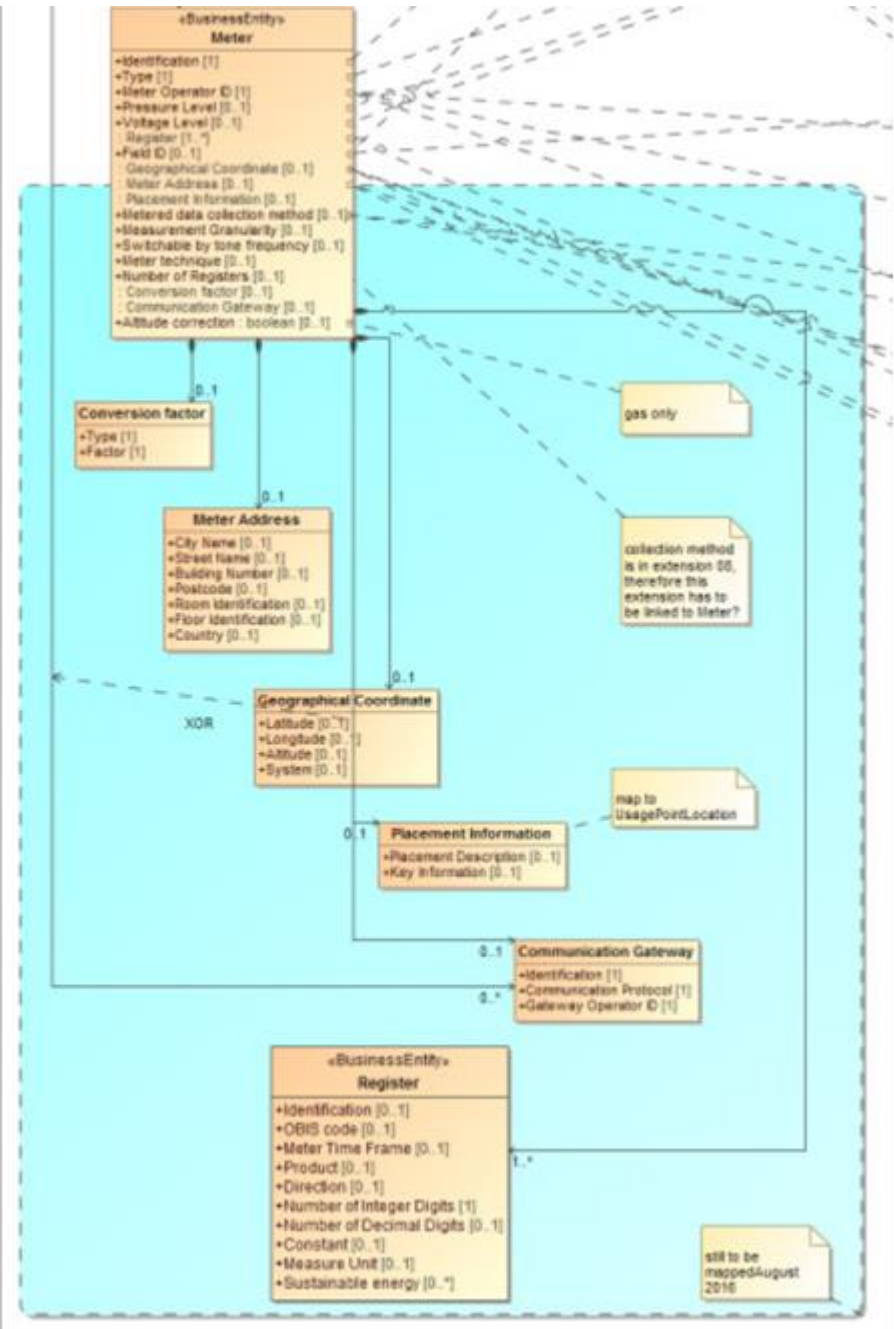
- Jan (NL) will find a better justification for a MR for the new class Product (ebIX®/2021-035).

#### 5.1.6 [Not yet mapped attributes from the BRS for Alignment of metering configuration characteristics](#)

*From Jan (SE):*

In the TR not all attributes from Metering configuration characteristics were mapped to CIM, see chapter 7.13 in the TR and the blue part in the figure below (Figure 117).

The BRS is probably updated, but anyhow there is a need to see: which attributes do we need in CIM, can we find them in CIM? Do we need some updates in CIM?



**Action:**

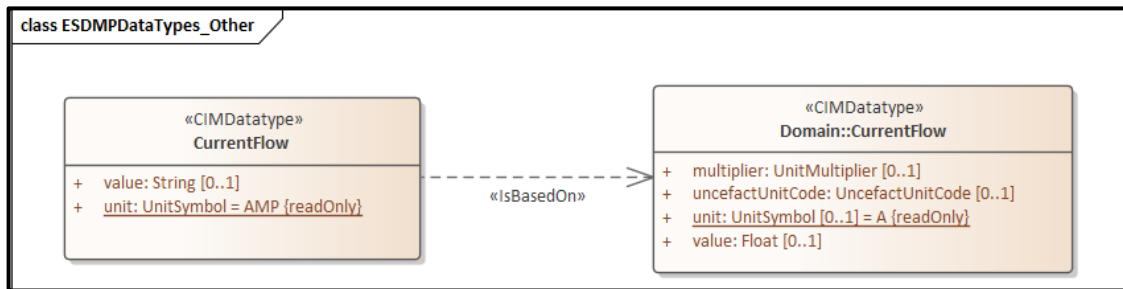
- Ove will make a mapping from the class diagram to CIM to discover need for MRs (low priority item).

5.2 Status for ENTSO-E CIM EG Retail market subgroup (follow-up item on the agenda)

5.2.1 How/when can a profile have different datatype than the original datatype in basic CIM?

Jan (SE) brought up the question during the WG16 meeting in Minnesota: How/when can a profile have different datatype than the original datatype in basic CIM? E.g. can the profile only restrict the original datatype in basic CIM? Can an enumeration be replaced with another? Etc.

E.g., is this restriction OK?



The conclusion was that a datatype only can be restricted, not extended. That means that float cannot be changed to string.

Item closed.

### 5.2.2 [How to specify “metering point type” \(production, consumption or combined\)?](#)

NMEG is missing some way to identify the metering point type (production, consumption or combined). There is a FlowDirection (up, down, stable, up and down), however this is not ideal.

In addition, information if the measured data is relevant for billing (Finnish need) is missing.

*Conclusion from meeting 20220831:*

- We have an issue with datatypes for ACCs, i.e. code lists should be in ABIEs and not in ACCs.
- For master data we need extra codes for the FlowDirection.direction, i.e. production, consumption and combined.
- Jan (SE) made a brief presentation explaining the issue, which will be presented for the ENTSO-E Retail market group.

A report from the discussions in the ENTSO-E Retail market subgroup will be put on our next ETC agenda.

#### **Action:**

- Ove will make a MR for addition of consumption, production and combined to the attribute direction in the class FlowDirection, using the ebIX® Enn codes.

### 5.3 [MRs to ENTSO-E CIM EG Retail market subgroup](#)

#### **Action:**

- Ove will make the following MRs to ENTSO-E Retail market group:
  - Added to Accounting Point:
    - settlementMethod
    - gridAgreementType
    - administrativeStatus
  - Added to Market Evaluation Point:
    - measurementMethod
    - meteredDataCollectionMethod
    - disconnectionMethod

ebIX® Enn codes will be suggested, and the MRs will be added to the Teams Excel sheet.

## 5.4 Preparations for coming WG16 meetings

### 5.4.1 [Addition of code list responsible attribute where missing](#)

The item was postponed.

## 5.5 Status for European (ebIX® and CIM EG Retail market subgroup) MRs to CIM

Review and update of Excel sheet keeping track of the MRs sent from ebIX®, via the CIM EG Retail Market Subgroup to WG 16. The Excel file is uploaded to the Teams “Team” “ebIX® ETC” where Jan (NL), Jan (SE), Kees and Ove can edit the document simultaneously.

*Continued action:*

- Jan (SE) will continue the update of the dates and status for the latest submitted MRs in the common Teams Excel sheet.

## 6 EG1 status

The item was postponed.

## 7 Resolve HG issues - Prioritised item on ETC meeting September 27<sup>th</sup>

### 7.1 BRP vs Trade Responsible Party

Now a Trade Responsible Party inherits from a BRP, which means that he inherits all the characteristics of the BRP. However the Trade Responsible Party has always a “balance position”, i.e. not dealing with physical energy. Hence, we suggest turning the direction of the generalisation.

In addition we suggest a rephrasing of the definition of the Trade Responsible Party:

A party who can be brought to rights, legally and financially, for any **financial imbalance within a given imbalance settlement period** ~~between energy nominated and consumed for all associated Accounting Points.~~

**Note:**

A power exchange without any privileged responsibilities acts as a Trade Responsible Party.

*Definition of Balance Responsible Party:*

A Balance Responsible Party is responsible for its imbalances, meaning the difference between the energy volume physically injected to or withdrawn from the system and the final nominated energy volume, including any imbalance adjustment within a given imbalance settlement period.

**Note:**

Based on [Electricity Balancing - Art.2 Definitions](#).

**Additional information:**

Responsibility for imbalances (Balance responsibility) requires a contract proving financial security with the Imbalance Settlement Responsible of the Scheduling Area entitling the party to operate in the market.

**Additional information:**

This is a type of Balance Responsible Party.

**Action:**

- Kees and Jan (SE) are asked to verify the proposal above within TenneT and Svenska kraftnät.

## 7.2 Status for harmonisation of the electricity and gas markets role models

Ongoing project. A status report is expected in the autumn.

## 7.3 Suggestions for HEMRM extensions

The intention with this item is to describe the roles not suitable for HEMRM / HGRM, such as Hub, DSO, TSO etc.

### **Continued action:**

- Kees will try to make the table below more “understandable”:

Business roles	Implementation-dependent roles	Roles linked to physical devices
<b>HEMRM / HGRM</b> This is already available in the present HEMRM and HGRM (maybe with the exception of the meter-related roles which may have to be moved to the physical devices)	Exchange architecture: <ul style="list-style-type: none"> <li>• Document exchange</li> <li>• Web service</li> <li>• Data sharing</li> </ul>	
	System/device roles	

## 7.4 ebIX HG MR 2021-02 - Rephrase definition of Meter Administrator - for ETC review

EBG asks ETC to forward the ebIX MR 2021-02 to the HG:

### **Current definition:**

A party responsible for keeping a database of meters.

### **Proposal for new definition:**

A party responsible for the administration of the metering configuration at Metering Points. The party is also responsible for the distribution of the characteristics of the metering configuration at Metering Points.

### **Conclusion:**

- The MR will be forwarded to the HG.

Item closed.

## 7.5 Review of Resource Aggregator Role (from HG)

The current HEMRM presents the Resource Aggregator role with only an indirect connection from the Resource Aggregator to the Resource what does not represent the primary function of the role, i.e., the aggregation of Resources. This proposition limits the aggregation of Resources to Resources within the Accounting Point.

ENTSO-E would like to bring the following proposal for discussion (split by 2 parts):

1. Remove the current relationship between the Resource Aggregator and the Accounting Point. Create a new relationship between the Resource Aggregator and the Resource. Name it as “Aggregates”, as showed below:



**New proposal 20220524:**

A party that aggregates Resources for usage by other market participants

**Additional information:**

The domain to aggregate within, such as Resource or Accounting Point, must be defined by market rules.

In addition, the association will be moved to go from the Resource Aggregator to the Resource.

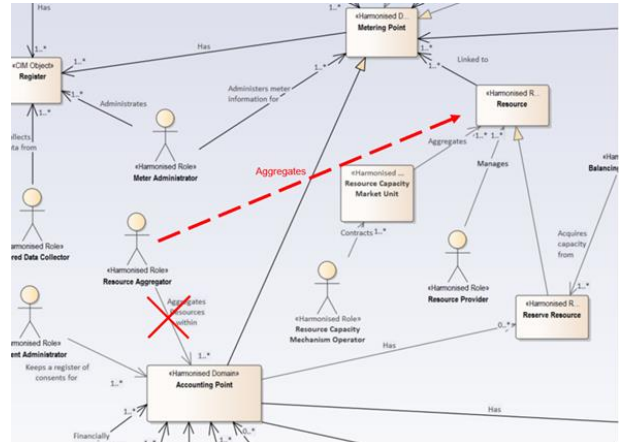
**Action:**

- CIM EG and ebIX®/EBG are asked to verify if the latest proposal is OK.

**Conclusion:**

- ETC agrees to the proposal.
- The HG will be informed at the next HG meeting.

Item closed.



**8 ebIX® Business Information Model 2022.A**

The item was postponed.

**9 Review of ETC workplan**

ETC priorities for the near future (before the ETC work is taken over by EU DSO Entity):

1. Follow-up and agree ebIX® position on HG issues, including:
  - a) Finalise as much as possible of the harmonisation between HGRM and HEMRM
2. Follow-up and agree ebIX® position related to EG1 recommendations for Implementing Acts, including:
  - a) Use UMM to make the business process models
  - b) Use CIM as the information model
3. Make sure that the “ebIX® model” (the ebIX® MD UML model used in the ebIX® BRs) is as up to date as possible, including:
  - a) Updating the BIMs to be in line with CIM
  - b) Addition of new codes requested by EBG
4. Finalising MRs to CIM and ESMP/ESDMP

The list above will be part of the ETC presentation at the coming ebIX® forum meeting and replace the current ebIX® work plan.

Item closed.

## 10 Next meetings<sup>1</sup>

- Tuesday October 25<sup>th</sup>, 2022, 10:00 – 12:00 and 13:00 – 15:00, GoToMeeting
- Wednesday December 14<sup>th</sup> and Thursday December 15<sup>th</sup>, 09:00 – 16:00, Stockholm

## 11 AOB

### 11.1 MagicDraw 19.0

*From Jan (SE):*

I got this info today when I got a new computer and installed MD 19.0 on it:

“Version 19.0 reached its end-of-life cycle for full support a few months ago and it will not be supported in any official capacity by the end of this year.”

There is a 2022 version available, see <https://docs.nomagic.com/display/NMDOC/2022x>.

**Action:**

- Ove will install and test the latest stable version of MagicDraw.

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<sup>1</sup> All Face-to-face meeting starts 09:00 the first day and end at 16:00 unless otherwise explicitly stated.

## Appendix A ebIX® rules for how to make MRs to WG16

- 1) Artefacts used for MRs to WG16 shall be stored as separate packages in the common cloud EA model.
- 2) Always review existing definitions of attributes, classes etc. that are related to the MR in question and if needed propose updates to these definitions.
- 3) First investigate basic CIM to see if the object we intend to send an MR for already is available there.  
If yes, we should make a MR for 62325-351 (ESMP), if not we make a MR for both basic CIM and ESMP.