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| Minutes ETC meeting, October 18 <sup>th</sup> and 21 <sup>st</sup> , 2021 |  European forum for energy<br>Business Information eXchange |
| October 29 <sup>th</sup> , 2021   | ETC – ebIX <sup>®</sup> Technical Committee  |

## Minutes ETC meeting, October 18th and 21st, 2021

**Date:** Monday and Thursday October 18th and 21st, 2021  
**Time:** 10:00 – 12:00 both days  
**Place:** GoToMeeting  
**Present:** Jan (NL), EDSN (day 2)  
Jan (SE), Svenska kraftnät  
Kees, TenneT  
Ove, Edisys

### 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:

- Procedures for how to align IEC MRs between EBG and ETC, see item 4.5.
- Email from Zoran related to HG/BRIDGE harmonisation, see item 7.6.
- Status for publication of MD model 2021.A, see item 8.3.
- EU Bridge HERM Differential Analysis Report, see item 12.1 under AOB.

### 2 Approval of minutes from previous meeting

The minutes from previous meeting were approved with the comments that there were a lot of postponed items.

### 3 Preparations for next ebIX<sup>®</sup> Forum (if any)

Jan (SE) and Kees informed that they will prepare some additional slides for the ebIX<sup>®</sup> forum session file.  
Item closed.

### 4 Resolve ebIX<sup>®</sup>/IEC issues

#### 4.1 Making a European Style Downstream Market Profile (ESDMP)

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

MRs to WG16 and their status are found in Appendix A in the separate appendix document. Minutes from WG16 meetings can be found at: [WG16 / Modelling-Team-Minutes](#).



*Mail from Jan (SE) 20211014:*

I have now reviewed the addition of the association between Flowdirection and MarketEvaluationPoint. And it looks ok, i.e. the suggestion would be to change the status for issue 16\_0101 to closed.

**Question from Ove:**

- I guess this is the same as ebIX® 2021/34 in the appendixes (?). Should we remove or mark that MR in any way?

**Conclusion:**

- We mark the ebIX® MR as approved and closed.

I am just curious: when adding associations, which class should be preferred to be set as "SOURCE" and which class should be preferred to be set as "TARGET"? Or are there no preferences?

**Conclusion:**

- We await the response from Becky (WG16).

*Mail from Jan (SE) 20211014:*

In this mail Jan (SE) submitted the MR "Maintenance request for IEC 62325-301 BusinessSector 2021-10-14.docx" to WG 16.

The MR is related to ebIX® 2021/29, ebIX® 2021/30, ebIX® 2021/31, ebIX® 2021/32 and ebIX® 2021/33 – i.e. addition of Business Sector and associations to MarketDocument, TimeSeries and MktActivityRecord.

**Conclusion:**

- The current MRs were updated with the IDs from Becky's Excel sheet.

#### 4.1.2 [MRs based on Dutch requirements](#)

The item was postponed.

#### 4.1.3 [How to implement code lists in the European Style Downstream Market Profile \(ESDMP\)](#)

The item concerns how to make sure that the Assembled code list has unique codes (when combining national codes with other (international) code lists).

**New action:**

- Kees will prepare an example on how code lists are combined in assembled code lists today, such as for Document Types that are combined from UN/CEFACT codes and ebIX® codes. Kees will do it by copying the diagrams in the ebIX® MD model.
- Thereafter Jan (SE) and Kees will present it for WG16, asking for possible ways of solving it.

4.1.4 [Aligning the result from the Dutch and the Nordic IEC CIM pilot projects](#)

Action:

- Ove, Jan (NL) (and others) will continue to update the common ESDMP by adding classes based on need extensions from the Dutch and Nordic CIM projects.

Some questions from Ove:

- Shouldn't we have only «primitive» data types in «ACC»s?

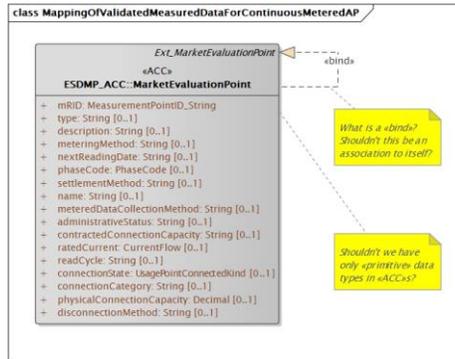
**Conclusion:**

- Yes, we shall only have «primitive» data types from ESMPDataTypes.

- What is a «bind»? Shouldn't this be an association to itself?

**Conclusion:**

- Removed from the model.



4.1.5 [Status from WG14 taskforce for update of Organisation, Person and Party information](#)

Nothing reported – to be continued.

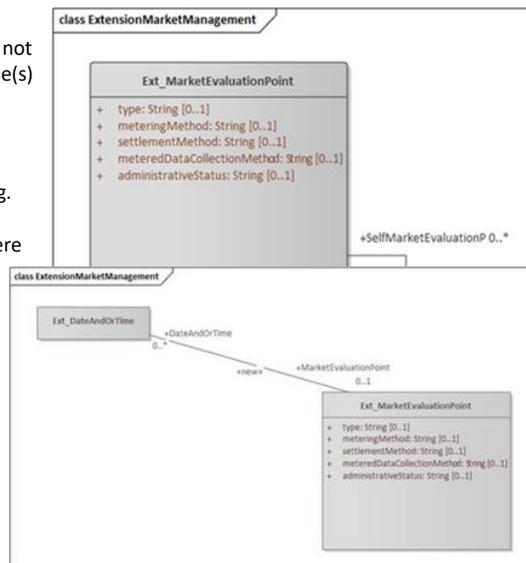
4.1.6 [Review of new associations that are candidates for MRs to CIM - From Jan \(SE\)](#)

Below are some associations that we should go through and, perhaps, create MRs for.

- A selfassociation (\*.\*) for MarketEvaluationPoint. See figure. This is not part of the TR. What would be the use case(s) behind this request?

I know there are countries having “sub metering points”, is that the reason? (We plan to have it in the Swedish datahub, e.g. to handle metering that is done in non-concessional metering grid areas, but where we then associate the sub metering point to the metering point (accounting point) that is part of the concessional grid. Then the datahub can for instance receive metered data from production facilities within an industrial grid.)

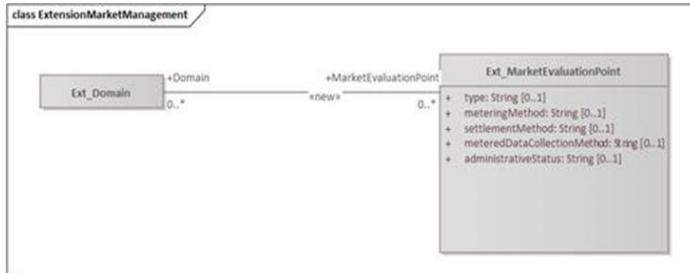
An association (\*.\*) between MarketEvaluationPoint and DateAndOrTime. Not part of the TR. I think it is used to inform of the “Supply



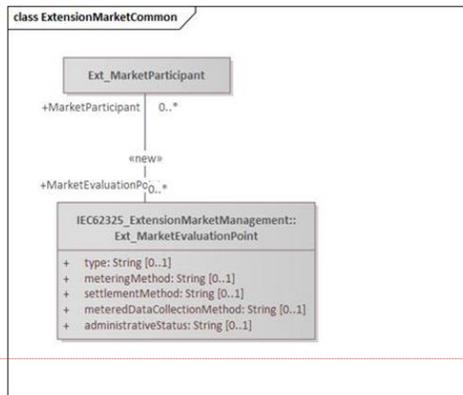
start date” for an accounting point. Is it used in other use cases? use cases?

- 2) An association (\*..\*) between MarketEvaluationPoint and Domain. See TR, figure 120, however there with an “0..1”

association to the Domain. The Domain class will tell the Metering Grid Area for the MarketEvaluationPoint. An Exchange point will have two areas associated with it, so there is a need to have more than “0..1” that was specified in the TR.



An association between MarketEvaluationPoint and MarketParticipant. In the TR there is suggested an association between the MktActivityRecord and MarketParticipant (see figure 122). However, what is needed is to establish the relation between a MarketEvaluationPoint and the parties linked to that point. For examples, see figure 112 and 114 in the TR

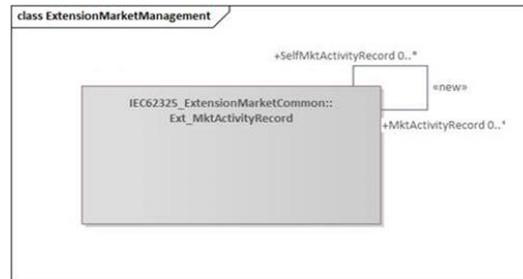


**Commented [ON1]:** From Chapter 8 from IEC\_TR\_62325-103 ED1 status of updating CIM - September 2021.pdf:

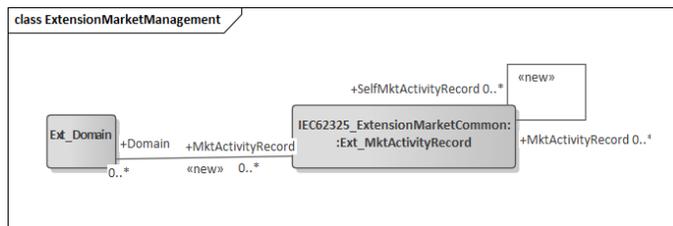
“The association between MktActivityRecord and MarketParticipant will be used to specify responsible roles/consented parties in a transaction. Note: When associating a MarketParticipant with an AccountingPoint the new suggested association between MarketParticipant and MarketEvaluationPoint will be used, see 8.11.2.”

- 3) Regarding the association between MarketEvaluationPoint and MarketAgreement (see figure 120 in the TR), it was there suggested to put the attribute gridAgreementType into the MarketAgreement class. See however the latest MR to WG16 (February 2021) where that attribute is suggested to be put into MarketEvaluationPoint class.
- 4) Regarding the association between MarketEvaluationPoint and EnergyTechnologyAndFuel, see the latest MR to WG16 (February 2021), it is there suggested to be a many-to-many-association. However if there is no use case having a 0..\*-association at the MarketEvaluationPoint side, we should rather just request a 0..1 <-> 0..\* association.

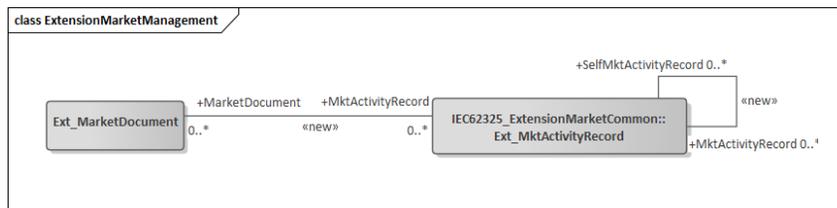
- 5) A selfassociation for MktActivityRecord. See TR, figure 122 and 115. Used when referencing from a rejection/confirmation.



- 6) An association between MktActivityRecord and DateAndOrTime. In the TR this is described as adding new attributes with date(+time) to the MktActivityRecord. However this will rather be solved with separate qualifiers (separate associations) to the DateAndOrTime class.



- 7) An association between MktActivityRecord and MarketDocument. Not in the TR. Will be relevant when exchanging documents and not payloads. It may also be used when ENTSO-E will start exchanging master data information.



- 8) Among the new associations suggested in the TR, we find the association between MktActivityRecord and Process. See figure 122. In ENTSO-E-documents the association to the Process class comes only from MarketDocument. But when focusing on payloads, MarketDocument will not be used, and when Process is needed, the association should be between Process and payload classes. No mapping was done in the TR, so it should be verified if Process will be used to identify the business process for what is exchanged.
- 9) Among the new associations suggested in the TR, we find the association between MktActivityRecord and Reason. See figure 122. In the TR it was discussed if reasons (especially when rejecting) should be specified in the attribute inherited from ActivityRecord, adding a new attribute, or associating with the existing class Reason. The latter was suggested – making it possible to specify more than one reason when rejecting.

**Action:**

- Jan (SE) will align the text in this paragraph with “Chapter 8 from IEC\_TR\_62325-103 ED1 status of updating CIM - September 2021.pdf”, but how?

4.1.7 [Some issues related to the ENTSO-E Acknowledgement document from NMEG](#)

Below is shown a proposal for an update of the ENTSO-E Acknowledgement document:

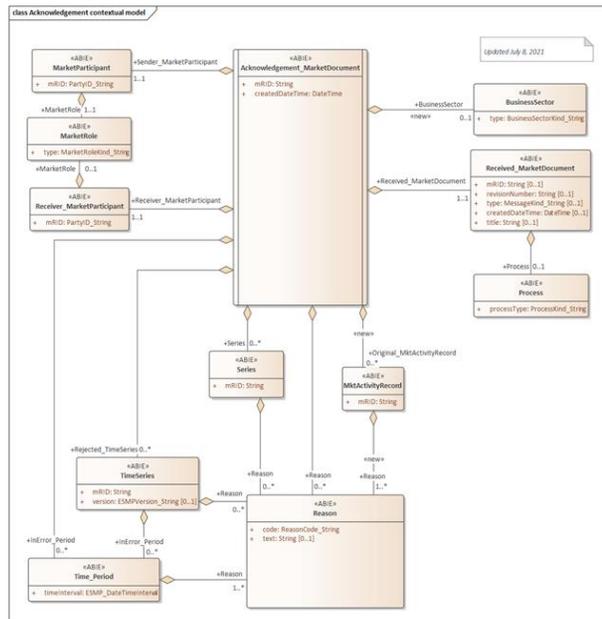
- Addition of an Original\_MktActivityRecord with an association to Reason.
- No separate Transaction ID for each payload repetition.
- A Series class replacing the TimeSeries class.

**Some questions:**

- Do we want a separate Transaction ID for each payload repetition (in addition to the received Transaction ID)?

**Discussion October 21<sup>st</sup>, 2021:**

- o In the Netherlands there can only be one payload for each message assembly and document header, i.e. the mRID in the Market Document class and in the Received\_MarkedDocument are used.



**Conclusion:**

- o For the time being we assume that a separate Transaction ID for each payload repetition is not needed.
- Can we use TimeSeries in Acknowledgement Document and Series in “measure documents”?

**Conclusion:**

- o To be continued.

- Shall we use the “Response Condition Codes” (39 Approved / 41 Rejected) in the Reason / code attribute?

**Conclusion:**

- o To be continued.



#### 4.1.8 [The ebIX process for Maintenance Requests \(MRs\) on reference models \(basic IEC CIM\) and ESDM models](#)

The item was postponed due to lack of time.

#### 4.1.9 [The governance for reference models \(basic IEC CIM\) and ESDM models](#)

The item was postponed due to lack of time.

#### 4.2 [How to add additions to CIM](#)

The item was postponed due to lack of time.

#### 4.3 [Status for ENTSO-E CIM EG Retail WG](#)

The ebIX® view is that it is good that ENTSO-E CIM EG Retail WG prepare an ENTSO-E position on how a common European down- and up-stream market CIM profile. However it is important that this position will be used in European discussions where relevant stakeholders, i.e. ebIX®. ENTSO-E should be responsible for the upstream part of the ESMP and ebIX® should be responsible for the downstream part.

This item will be a “follow-up item” on the ETC agenda,

#### 4.4 [Preparations for coming WG16 meetings](#)

##### 4.4.1 [ebIX® MRs to WG16 – discussions with CIM EG](#)

Actions:

- All are asked to present ebIX® for national EU DSO members.
- Jan (SE) will make a first draft of a mapping from ebIX® BRS to the CIM model, having four columns: Attributes ebIX® BRSs, ebIX® attributes from TR, CIM attributes from TR and finally agreed or proposed CIM attributes after discussion in WG16.
  - The document “Chapter 8 from IEC\_TR\_62325-103 ED1 status of updating CIM - September 2021.pdf” will be used as a basis for this work.

#### 4.5 [Procedures for how to align IEC MRs between EBG and ETC](#)

At the ETC meeting Wednesday September 29<sup>th</sup>, ETC agreed to the latest proposal from EBG for procedures for how to align IEC MRs between EBG and ETC. However, when presented to EBG, a few clarifications were proposed, i.e.:

- EBG is responsible for business requirements (BRSs) and ETC is responsible for communication with IEC.
- Every time a new BRS is published, EBG should see if there are ~~report~~ new attributes, classes, associations or similar and report these that to ETC, who analyses if these are candidates for updates of CIM – and if so, forward these ~~to ETC for further forwarding~~ as MRs to IEC.
- If ebIX® (ETC) gets options from IEC on how to update CIM, based on an ebIX® MR, the option(s) should be presented ~~for to~~ EBG for commenting.



- After relevant updates in CIM, EBG should be informed, to see if definitions etc. should be updated in the ebIX® BRSSs.

The conclusion after the first day was that the proposed clarifications from EBG were agreed, however it was added a new bullet point that was sent to EBG for approval (see above).

The new bullet point was reviewed by EBG later the same day and once again proposed updated:

- EBG is responsible for the functional business domain and comes up with proposals for changes to the functional business level in CIM, while ETC is responsible for technical QA of the proposed additions/updates to CIM from EBG and for communicating agreed additions/updates to IEC.  
~~EBG is responsible for business requirements (BRSSs) and ETC is responsible for communication with IEC.~~

**Conclusion:**

- The new proposal was agreed and EBG will be informed.

**Action:**

- Ove will add the EBG/ETC procedures, both related to IEC and the HG, into the ToR for ETC and send it to ETC for a brief QA before publication.

The item was postponed due to lack of time.

**5 EG1 status**

5.1 Who do we (ETC) think we the EU Competent Authority?

The item was postponed due to lack of time.

**6 Problems with TT (Eclipse) – To remember item (to be reopened when the TT is needed)**

The item was postponed due to lack of time.

**7 Resolve HG issues**

7.1 BRP vs Energy Trader

The item was postponed due to lack of time.

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

The item was postponed due to lack of time.

7.3 Procedures cooperation between EBG and ETC regarding updates of HEMRM

The item was postponed due to lack of time.



#### 7.4 Suggestions for HRM extensions

The item was postponed due to lack of time.

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

The item was postponed due to lack of time.

#### 7.6 Email from Zoran related to HG/BRIDGE harmonisation

Zoran has sent an email where he proposes that we should look how all these new roles fit together without overlapping and that this debate should be in the roadmap. Zoran has prepared two documents:

- Comment EU BRIDGE Differential analysis 20210923-v2-Zoran-Marinsek
- Complete harmonization of the Electricity Market system – the new role of the DSO

Where the second document is a summarised proposal of the concept set up and advocated within GOFLEX and spin-out projects.

#### **Conclusion:**

- We answer Zoran that we want to await Ercole's (BRIDGE) recommendations to the EU commission.

Item closed.

### 8 ebIX® Business Information Model 2021.A

#### 8.1 Use of XOR in combination with cardinalities

The item was postponed due to lack of time.

#### 8.2 Continue review and update of version 2020.A

The item was postponed due to lack of time.

#### 8.3 Status for publication of MD model 2021.A

#### **Action:**

- Kees will do a final QA.
- Thereafter Ove will publish the ebIX® model 2021.A.

### 9 Code lists from Magic Draw model in Word format

The item was postponed due to lack of time.

## 10 Review of ETC workplan

The item was postponed due to lack of time.

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

- Wednesday November 24<sup>th</sup>, 2021, from 10:00 to 12:00 and from 13:00 to 15:00, GoToMeeting.
- Wednesday December 15<sup>th</sup>, 2021, from 10:00 to 12:00 and from 13:00 to 15:00, GoToMeeting.
- Tuesday January 18<sup>th</sup> from 13:00 to 15:00 and Friday January 21<sup>st</sup> from 10:00 to 12:00, GoToMeeting.
- Tuesday February 1<sup>st</sup> from 13:00 to 15:00 and Friday February 4<sup>th</sup> from 10:00 to 12:00, GoToMeeting.
- Tuesday February 15<sup>th</sup> from 13:00 to 15:00, GoToMeeting.
- Tuesday March 1<sup>st</sup> from 13:00 to 15:00, GoToMeeting.
- Tuesday March 22<sup>nd</sup> from 13:00 to 15:00, GoToMeeting.
- Tuesday March 29<sup>th</sup> and Wednesday March 30<sup>th</sup>, 2022, with a common ebIX® Forum and ETC dinner the evening of Wednesday March 30<sup>th</sup>, at BDEW's offices in Berlin.

## 12 AOB

### 12.1 EU Bridge HERM Differential Analysis Report

Ercole had sent the final version of the EU Bridge HERM Differential Analysis Report ready to be sent to EC, to Jan (SE) and Ove for review before submission to the EC. In Chapter three, Ercole has inserted all the work we did together in the HG/Bridge meetings, without any changes. Ercole ask for a final check to verify that he included exactly what had been sent him with last MoM.

After our review, Ercole will send it to EC (with us in copy of course!).

Ercole says he is grateful for our availability and hard working on this activity, and he is impressed over how the collaboration between BRIDGE and HG has been:

Between May and October 2021 ENTSO-E – ebIX – EFET gave their availability to meet Bridge and DSO Associations for an open discussion of the Differential Analysis: the work where very intense, productive and run in a pleasant and collaborative attitude between all the involved organisations.

However, Ercole states that the intention is to use the document as a base for further discussions:

The finding of this Differential Analysis outlines the needs, expressed by the EU Bridge Projects, to upgrade of the ENTSO-E – ebIX – EFET HEMRM, assuming it as a base for further discussions with all the relevant stakeholders and Institutions involved in the electricity sector, for comments and further tuning and developments.

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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. Tuesday March 1<sup>st</sup> from 13:00 to 15:00, GoToMeeting.



**Conclusion:**

- Ove will send a response to Ercole saying that we have no comments to the report itself. However, the last chapter (or appendix) "Contributors" could be corrected. For instance some persons are listed twice, and some are listed with surname (should be avoided due to GDPR). Probably only persons that participated in meetings should be listed (see column "participated" in the minutes from the meetings) and finally, the organisations represented is not always consistent.