# Minutes ETC meeting, July 7th, 2021

**Date:**       Wednesday July 7th, 2021
**Time:**       10:00 – 12:00 and 13:00 – 15:00
**Place:**      GoToMeeting

**Present:**    Jan (NL), EDSN (second part)
               Jan (SE), Svenska kraftnät
               Kees, TenneT
               Ove, Edisys

**Attachment:**

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

## 1    Approval of agenda

The agenda was approved with addition of the following items:
- Preparations for coming WG16 meetings, see item 3.5
    - ebIX® MRs to WG16 – discussions with CIM EG, see item 3.5.1
    - Updates in CIM - after the Market Evaluation Point changes, see item 3.5.2
- Who do we (ETC) think is the EU Competent Authority?, see item 5.1.

## 2    Approval of minutes from previous meeting and the meeting before (April 28ᵗʰ and 29ᵗʰ)

The minutes from previous meeting and the meeting before were approved.

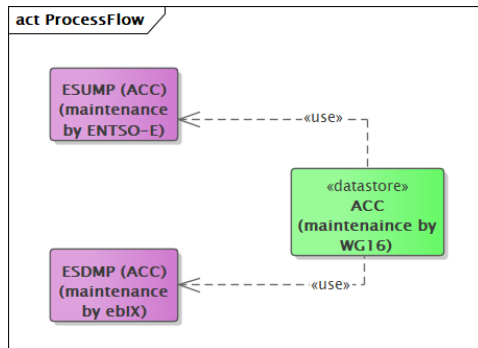## 3    Resolve ebIX®/IEC issues

### 3.1    Short report from ETC meeting dedicated to ESMP modelling June 17ᵗʰ

The item is added for information and was not opened during the meeting.

Participants, Jan (NL), Jan (SE), Kees and Ove.

The proposal for rules from previous meeting was continued:

1) We (ebIX® and ENTSO-E) work on a common set of ACCs (without associations), see green box:

2) We start filling this common set of ACCs with the current ESMP ACCs
3) Both ENTSO-E and ebIX® will create and maintain their own ACC models (with associations ASCCs)
4) There will be separate European downstream and upstream packages containing the ABIEs
5) If we need a new attribute, we make an extension class with a prefix Ext_ and makes an inheritance from the Ext-class to the ACC
6) If we need a new association, we stereotype it with «new»
7) New ACCs required by ebIX®, shall be stored in the same package as the common ACC package

*New 20210617:*

8) The stereotypes «ACC», «ASCC» and «CDT» shall be defined on IEC level.
9) The ACCs shall use «CDT» as datatype, i.e. «primitive» datatypes.
10) «BDT» shall be added on «ABIE» level.


Item 9) above implies that we must create our own European «ACC» repository, based on the basic CIM model.

Updated model from Kees:
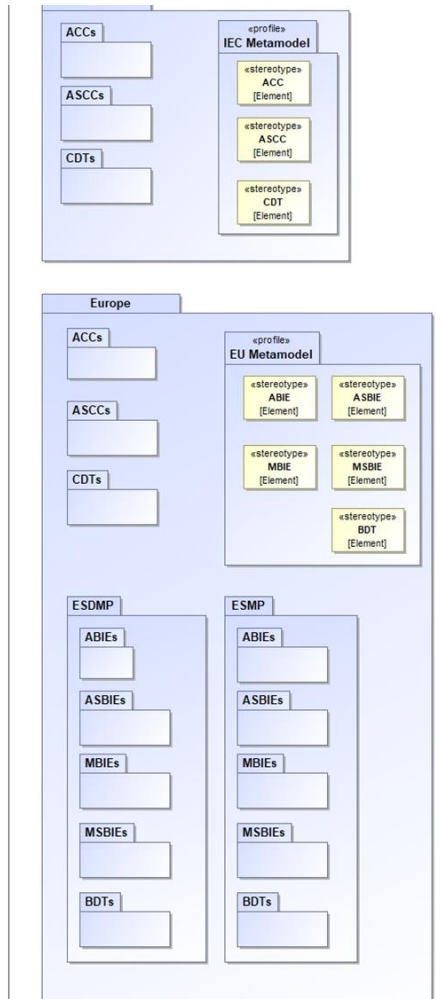
Item closed.

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

### 3.2.1     Two profiles (ESMP and ESDMP) and common ACCs

The item was postponed.

### 3.2.2     MRs to WG16 CIM modelling team and Information from IEC meetings

The item was postponed.

However, Jan (SE) has sent some comments beforehand (not handled during the meeting):

On June 14th Jan (SE) distributed an update of the maintenance request after the EBG meeting earlier same day. Among others the Meter Reading Periodicity is renamed to Meter Reading Resolution, with an updated definition "The length of time between the regular meter readings" and the Next Meter

Reading Date is renamed to Meter Reading Schedule, with an updated definition "The indication of when the regular meter reading is scheduled".

### 3.2.3    MRs based on Dutch requirements

The item was postponed.

### 3.2.4    How to implement code lists in the European Style Downstream Market Profile (ESDMP)

The item was postponed.

### 3.2.5    Aligning the result from the Dutch and the Nordic IEC CIM pilot projects

The item was postponed.

### 3.2.6    Status from WG14 taskforce for update of Organisation, Person and Party information

*From Jan:*

I am participating in a WG13/WG14/WG16 task force called "COMET" that handles the suggestion of changes to the classes "Organisation" and "Person" – related to the change of "Compounds" for address information (etcetera) into classes. But the work will also verify if the suggestions of the changes to the "Name" class associated with Identified Object will work. A draft Use case has been discussed, and we will see if the changes to "Name" will work.

In parallel with that I want to see: will the changes for "Name" (and e.g. the addition of "NameAuthority") make it possible to tell: this identification is authorised by "Svenska kraftnät" or this identification is authorised by the government "YYY", or this is an GLN id, or this is an EIC id with a specified LIO or an EIC id with a specified CIO, etcetera.

I have just started the work, but send you some slides about it.

Slide 8 shows the latest suggested changes related to the Name class in CIM, provided yesterday.

The presentation was reviewed with a focus on the following proposal:
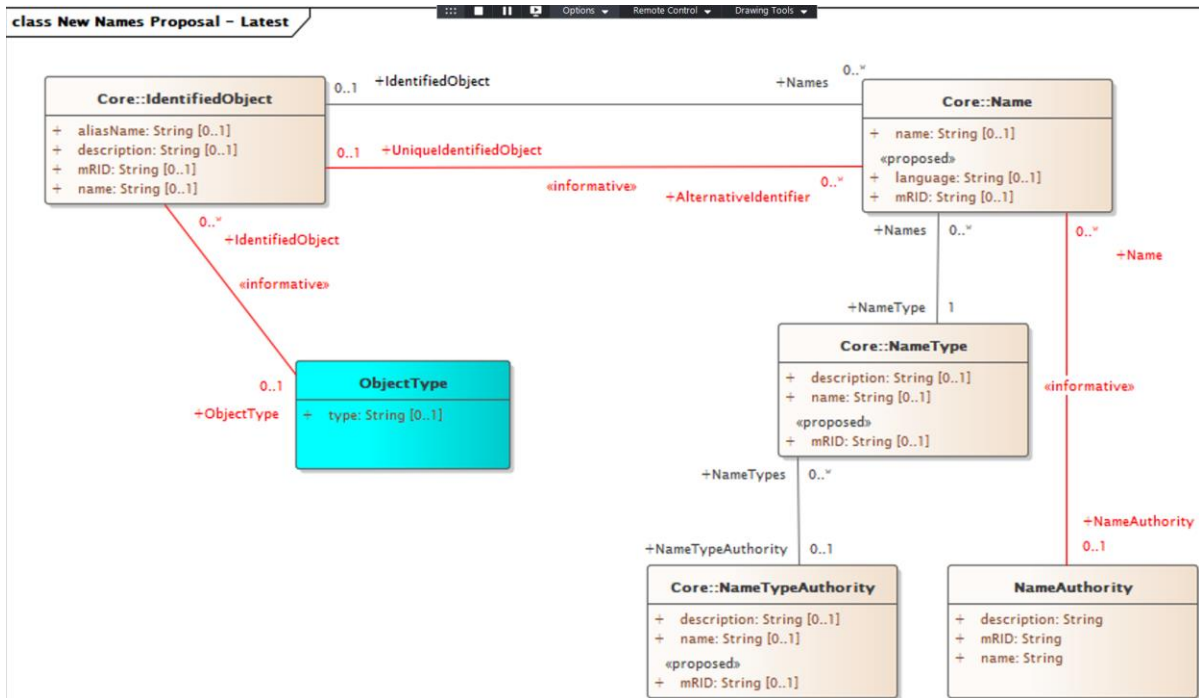
- The attributes in Name Authority should probably be optional.
- The is no obvious attribute where the currently used Code List / Coding Scheme and Code List Responsible / Coding Scheme Agency may be put.

***Conclusion:***

- The Name(s) classes does not solve ebIX® problems. Probably the best solution is to use a datatype (instead of string) for the main mRID having attributes for Code List / Coding Scheme and Code List Responsible / Coding Scheme Agency.

To be followed up.

### 3.2.7   Review of new associations that are candidates for MRs to CIM - From Jan (SE)

The item was postponed.

### 3.2.8   Some issues related to the ENTSO-E Acknowledgement document from NMEG

The item was postponed.

### 3.2.9   The ebIX process for Maintenance Requests (MRs) on reference models (basic IEC CIM) and ESDM models

The item is requested from Jan (NL).

### 3.2.10   The governance for reference models (basic IEC CIM) and ESDM models

The item was postponed.

## 3.3 How to add additions to CIM

The item was postponed.


## 3.4 Procedures for how to align IEC MRs between EBG and ETC

The item was postponed.


## 3.5 Preparations for coming WG16 meetings

### 3.5.1 ebIX® MRs to WG16 – discussions with CIM EG

*From Jan (SE)*

> Dear Alvaro, Karyn and Kees,
>
> What we, from ebIX®, sent to WG16 is already in use, it is described in BRS:s, with its use cases. But unfortunately we don't find everything yet in CIM. I know of two countries where implementations will be done this year based on "good guesses" on what will be found in CIM.
>
> It is not easy to go before others or use not yet agreed standards. You then know that you probably will have to change your implementations. But that is not uncommon. In Sweden we started to use IEC 62325-451-7 before it was finalized – and I would guess similar implementations have been made in other countries as well, e.g. based on preliminary ENTSO-E documents or preliminary IEC standards.
>
> In this case with what we have brought from ebIX® to IEC it is about the exchange of information related, in most cases, to DSOs and Energy suppliers.Very much about the need you have as an Energy supplier to know about the accounting point when you become the supplier.
>
> Nationally there will be more needs, let me just take an example for an Accounting Point:
>
> > "hasEnergySupplier", a Boolean telling if the Accounting Point has a supplier or not.
>
> So far I don't know of more than one country that has this need in their message exchanges. Yes, it could be a need internally in the data hub, but we are describing the needs for "message exchanges". One principle we have had in ebIX® is that we only add attributes to the classes in the BRS:s if it is in use in more than one country. As Kees said, we will from ebIX® continue the work of providing, discussing in WG16 – and hopefully preliminary agree in WG16 – upon adding classes, attributes and associations to CIM. Additions that – after some further updates – will be part of the next edition of IEC 62325-301. And I think EU DSO – and others – by then will contribute to that edition. Until then we do not see a good reason to "hold the horses". We are using these attributes; we would like to have them in CIM. And in parallel we will also contribute to the work in Europe where we will see that there will be more additions to CIM. But also then to a profile based on CIM. That work will take longer time than updating IEC 62325-301.
>
> The exchanges TSOs are having are much more detailed and common regulated than for the downstream market. That kind of common regulation will not be the case for the downstream market for several years. We are having different national regulations. Some years ago I was the convener of a Nordic project with TSO:s, DSO:s and Energy suppliers, where we tried to harmonise as much as possible what was needed to be exchanged between the actors making it possible (as was asked by the politicians) to change suppliers across the borders. But after having written the report on that –

concluding that it was many differences in the national regulations – nothing happened regarding those regulations. And instead each country started their own data hub projects, checking with ebIX® and partly with each other.

Having said that, it will be very valuable for the standardisation process when EU DSO have established their Expert groups. But until then we will continue the work, we are doing from ebIX®, we will continue suggesting updates of CIM.

And we would like to see these updates in the preliminary IEC 62325-301 model. A preliminary model that will be a good input to the next edition.

I wrote above that making a profile based on CIM will take longer time than updating IEC 62325-301. One reason for that is that we are having another view on what should be specified for an "ACC", an "ABIE" and an "MBIE". Coming to an agreement on that will take some meetings, meetings I would like to have "face to face" where we can draw pictures etc. And we will of course also need to find a solution that makes it possible to have national specialties, and national extensions – since the national rules still will be different.

In the Nordic area all TSOs are responsible not only for the standardisation of exchanges to and from TSOs, but also for the standardisations of exchanges to and from DSOs, Energy suppliers, BRPs, ESCOs, etcetera. And we are implementing or will implement Data hubs. My clients are these actors (DSOs, Energy suppliers, BRPs, ESCOs, Third party providers, …, both for gas and electricity, plus Svenska kraftnät). But since it is the TSO that is responsible, I am employed by Svenska kraftnät.

Next in line after the updates regarding MarketEvaluationPoint, AccountingPoint and ExchangePoint could be either of:

> Issue 16_0093-0095: Specifying the technology and fuel for an AccountingPoint. The MR describes the addition of a "EnergyTechnologyAndFuel" class but let us use the MktPRSType and Fuel classes.

> Issue 16_0097-0100: Adding a BusinessSector class telling if the payloads or messages are about gas, electricity, heating or other utilities.

Issue 16_0101: Adding an association from MarketEvaluationPoint to FlowDirection to tell if the MarketEvaluationPoint is used for Production, for Consumption or both. Or add other associations, like an association from MarketEvaluationPoint to Domain to tell in which Metering grid area a MarketEvaluationPoint is located, between which Metering grid areas an ExchangePoint is located or "list all MarketEvaluationPoints" in a Metering grid area. For the latter we are today in Sweden using a CSV-file sent from the DSO to the Energy Supplier telling which Accounting Points he is the supplier for (at a specific time or period). How it is done, and how it will be done, is not the important here. But we would like to have this association (many-to-many) in IEC CIM.

What is your suggestion, what do you think we should discuss next?

*From Alvaro:*

We, at ENTSO-E are conscious that further work on standardization related to datahub use cases must be done. But it is important to remark that this work must be done together with other TSO colleagues and preferably also DSOs involved in the datahub topic to have as much consensus as possible. What I want to avoid is only consider the view of one party without having the opinions of other parties. Otherwise, I foresee to have many discussions at WG 16 level and frequent changes in the standards due to different points of view, which is highly undesirable.

With this I do not want to say that what you proposed is neither correct nor good, for sure we can use it as a valuable input when we will set up the group to work on the data hub topic. But please understand that we need to have consensus in such an important topic like the datahub one. As you say, it will take some time until the regulation for downstream market comes into force, therefore we cannot be faster than the business and proceed with caution and consensus.

As agreed in the previous CIM EG meetings we will launch a new taskforce to work on the datahub topic and it would be very important to have you or Kees onboard. I will send a doodle today to choose a date for the kick-off meeting.

*From Jan (SE):*

I guess this could be something to discuss during this week – and later. Ove, see the reply from Alvaro.

What I would like is for instance:

1) Update, this year, CIM100 (also called CIM04 – when just referring to WG16 part of CIM) with what we have brought to IEC from ebIX®, and already discussed there.

2) Ask WG16 to, this year, submit a "Document for Comments" (DC) stating that WG16 would like to develop and publish IEC 62325-301 Edition 3 based on the CIM100 (or CIM04) version including a substantial set of new supported functions. (Among others supporting further developed European Markets.)

3) Continue the work next years with Edition 3 of IEC 62325-301, i.e. publish a "Committee Draft" (CD) of Edition 3 during 2022, then a CDV (for voting) with a goal of a final new edition 3 some 18 months later after having submitted the "DC". And in that work, I the national committees did not say no to the "DC" submitted by WG16.

But Alvaro (ENTSO-E) wants to wait with step 1) until the taskforce is established and can bring something to WG16, when will that be the case?

That will take time. And meanwhile I would like all Liaison members of WG16 to be able to contribute to the work – EU DSO could be a new liaison member from later this year or next year. But until then I will continue working for what I believe in. And data hubs are not the solution of everything.


*From discussion:*

- Kees informed that it has been discussed within CIM EG a few meetings ago, to arrange one or some meetings (Task Force) discussing up- and downstream needs for CIM elements. Among others Kees, Olivier, Alvaro, Fabio, Jon-Egil, Fedder and Leslaw was suggested as members. However, nothing has started.
- Jan (SE) informed that the "stability date" for IEC 62325-301 Edition 2 and for the ebIX® and WG16 TR (IEC 62325-103) is this year. This means that IEC will ask WG16 to create 62325-301 Edition 3, where we want as much as possible of our proposed updates.
- How to combine the TR with more resent MRs?
  - Most of the modified proposals from the TR will hopefully be part IEC 62325-301 Edition 3 (next version).
  - When implementing in the Netherlands and the Nordics we first investigate the CIM model. If not found there, we investigate the TR. And finally, if not found in the TR we invent a proposal, if possible after discussions in ETC.

- o Jan (SE) suggested that we (ETC) maintain a mapping from ebIX® BRS to the CIM model. Not necessarily as a MagicDraw mapping, but maybe as a table with an ebIX® column and a CIM column.
- For information: Jan will, as convenor of HG, ask the EU DSO to participate in the HG.

***Conclusion:***

- Jan (SE) will suggest for IEC, if he gets a question to remove the TR from IEC, to keep it for some more years (the TR's "stability date" ends this year). During the meeting Jan (SE) informed that there has been TRs that have been available at the IEC site for 12 years after the publication date.

***Actions:***

- All are asked to present ebIX® for national EU DSO members.
- Jan 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.


### 3.5.2   Updates in CIM - after the Market Evaluation Point changes

*From Jan:*

Before the WG16 meeting last week I started to make a presentation showing:

what should be the next steps after the addition of changes related to MarketEvaluationPoint?

That draft presentation we can discuss at the ETC meeting. Parts of it could be brought to WG16. Even if Alvaro and Karyn last week said that we should wait with the updates of CIM related to the downstream market, I will continue to bring input to the work that is needed to be done.

Since the already provided MR:s tells that changes should be for "MarketEvaluationPoint" we should bring the input that some of the changes would rather be for the Accounting Point. But let us discuss that first, before bringing it to IEC WG16.

*From discussion:*

- Ref slide 2: It was agreed that the new Fuel class and the MktActivityRecord should be associated with the new Accounting Point class instead of the current proposal, to Market Evaluation Point.
- Ref slide 3: It was agreed that the new Business Sector class should be associated to both Market Document and MktActivityRecord, the latter to be used when not having a Market Document, such as for web services. It was however noted that a prerequisite is that we can use MktActivityRecord as the "Event class". The slide will be presented tomorrow after some textual corrections (to keep the proposal "alive").
- Ref slide 4: It was agreed to associate Flow Direction to Market Evaluation Point, instead of (replacing) Metering Point Type (called "type" in CIM). It was also noted that the current codes used by ENTSO-E (up, down, up and down, and stable) not are suitable, hence the slide will be updated to include a need for using codes for "production", "consumption" and "combined".
- Ref slide 5: It was agreed to add associations to the Market package in basic CIM:
  - o From Market Evaluation Point [0..*] to Domain [0..*] in basic CIM (ACC).
    - ▪ To specify in which metering grid area the Market Evaluation Point is situated, or between which metering grid areas (for exchange points).
    - ▪ And to tell: which metering points do I have in this metering grid area?

- o From MktActivityRecord [0..*] (in basic CIM and [1] in the profile) to Market Evaluation Point [0..*].
  - ▪ To specify the Market Evaluation Points handled in the event transaction, and to specify in which events a Market Evaluation Point have been referenced.
- o From MktActivityRecord [0..*] to Market Participant [0..*].
  - ▪ To e.g. specify responsible roles/consented parties in a transaction.
- o From Market Evaluation Point [0..*] to Market Participant [0..*].
  - ▪ To specify associated roles, such as Energy Supplier and BRP.
- Ref slide 6: The slide will not be presented for WG16:
  - o The first bullet point proposing an association from Market Evaluation Point to Service Category is not used by any ebIX® BRS.
  - o The second bullet point was handled under slide 4.

  - o Ref slide 7: The slide is input for own ebIX® discussions and will not be presented for WG16 tomorrow.


## 4    Request from EBG

The item was postponed.


## 5    EG1 status

Kees informed that the comments to the IAs have been uploaded to the EG1 SharePoint site.

***Conclusion:***

- Kees will upload the comments (second round) to the ebIX® File Manager and thereafter Ove will inform ebIX® Forum.


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

*From discussion:*

- Kees mentioned some options:
  - o EU DSO
  - o ENTSO-E (ENTSOG)
  - o Combination or EU DSO and ENTSO-E
  - o ACER
- Jan thinks that it either should be ACER or the combination or EU DSO and ENTSO-E since the EU Competent Authority must be for the whole market.
- An advantage by using the combination or EU DSO and ENTSO-E is that the two organisations must start working together.
- Also for having competence, the combination or EU DSO and ENTSO-E is preferable.
- Another argument is that it probably is easier to get involvement from upstream, downstream, gas and electricity if ACER is chosen than if it is a combination of three or more organisations.

*Conclusion:*

- We should have a discussion within ebIX® Forum, but before the next ebIX® Forum, October 20.
- We will ask Vlatka to arrange an online meeting in August

*Action:*

- Kees will write a document based on the discussion and conclusions above, send it to the participants at this meeting for commenting for one day and thereafter send it to Vlatka.

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

The item was postponed.

## 7 Resolve HG issues

The item was postponed.

## 8 ebIX® Business Information Model 2020.A

The item was postponed.

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

The item was postponed.

## 10 Review of ETC workplan

See ebIX® File Manager.

## 11 Next meetings[1]

- Wednesday August 25th, 2021, from 10:00 to 12:00 and from 13:00 to 15:00, GoToMeeting.
- Wednesday September 29th, 2021, from 10:00 to 12:00 and from 13:00 to 15:00, GoToMeeting.
- Monday October 18th, 2021, from 10:00 to 12:00, GoToMeeting.
- Thursday October 21st, 2021, from 10:00 to 12:00, GoToMeeting.
- Wednesday November 24th, 2021, from 10:00 to 12:00 and from 13:00 to 15:00, GoToMeeting.
- Wednesday December 15th, 2021, from 10:00 to 12:00 and from 13:00 to 15:00, GoToMeeting.

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[1] All Face-to-face meeting starts 09:00 the first day and end at 16:00 unless otherwise explicitly stated.

## 12 AOB

No items.