

Minutes ETC meeting, Tuesday February 15th, 2022	 European forum for energy Business Information eXchange
February 16 th , 2021	ETC – ebIX[®] Technical Committee

Minutes ETC meeting, Tuesday February 15th, 2022

Date: Tuesday February 15th, 2022
Time: 13:00 – 15:00
Place: GoToMeeting
Present: Jan (NL), EDSN
Jan (SE), Svenska kraftnät
Kees, TenneT
Ove, Edisys

Appendix A: ebIX[®] rules for how to make MRs to WG16

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 the following additions:

- The content of Consents - a work done now in Sweden, see item 12.1 under AOB.

Since this is a two-hour meeting only, it was agreed give priority to the following items:

- MRs to WG16 CIM modelling team and Information from IEC meetings, see item 3.1.1.
- Versioning, see item 3.3.3.

2 Approval of minutes from previous meetings

The minutes from previous meeting were approved.

3 Resolve ebIX[®]/IEC issues

3.1 Making a European Style Downstream Market Profile (ESDMP)

3.1.1 [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 (SE) had as homework submitted MR ebIX® 2022/002, MR ebIX® 2022/003, MR ebIX® 2022/004 and MR ebIX® 2022/005 to WG16 and CIM EG Retail market subgroup.

Ove had as action written a MR related to MR ebIX® 2022/001 – addition of a self-association to MarketEvaluationPoint, which can be submitted to the HG. The submission to WG16 will await the discussion in the HG. It was supposed to include an example from flex, however when looking into the draft flex BRSs, it is no use of “sub–Accounting Points” for the flexibility service since it is assumed that the flexibility services are connected to Resources. Currently the only mentioning of Sub Accounting Points is in the “basic assumptions” in BRS for Prepare and aggregate Resources for flexibility services:

- Accounting Points can have multiple Sub Accounting Points. Sub Accounting Points are treated the same as Accounting Points in this BRS.

The MR to HG was revied and it was agreed to submit it as is to the next HG meeting, February 24th.

New and continues actions:

- Kees will make some examples on how associations should have been generated according to UML and CCTS.
- Jan (SE) and Kees will continue investigating the rule(s) for which side of an association that is Source and which side that is Target.
- Ove will submit the ebIX® HG 2022/001 (related to MR ebIX® 2022/001 – addition of a self-association to MarketEvaluationPoint to WG16), to the HG. The submission to WG16 will await the result of the discussion in the HG.

At the next meeting we should continue the review of candidate MRs to WG16 and CIM EG Retail market subgroup, starting with MR ebIX® 2022/006.

3.1.2 [MRs based on Dutch requirements](#)

The item was postponed.

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

The item was postponed.

3.2 [Status for ENTSO-E CIM EG Retail market subgroup \(follow-up item on the agenda\)](#)

The item was postponed.

3.3 [Preparations for coming WG16 meetings](#)

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

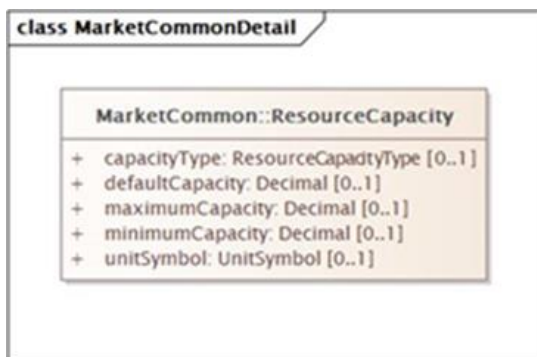
The item was postponed.

3.3.2 [Regarding Value1, Value2, Value3 ...](#)

The item was postponed.

3.3.3 [Versioning](#)

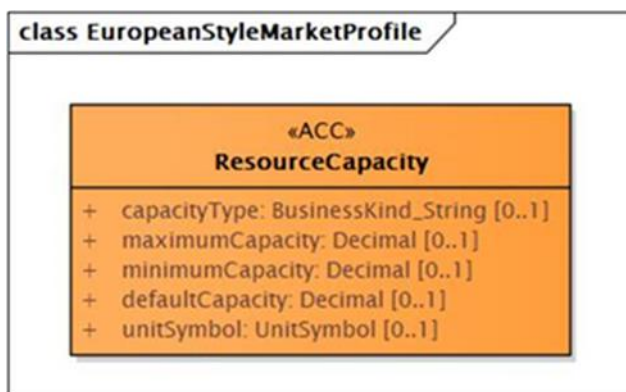
Jan (SE) had already before previous ETC informed from a WG16 meeting January 20th where versioning was discussed. It started with the proposal to update the class ResourceCapacity:



It has some Decimal attributes, it has unitSymbol. But it has no unitMultiplier. Adding that would not be a problem for us in Europe, we handle units differently than using multipliers. But the suggestion at previous meeting, and discussed again January 20th, was to change the datatype for the attributes from “Decimal” to “DecimalQuantity”. Doing that would remove the need to use unitSymbol and unitMultiplier since DecimalQuantity already has those attributes in the datatype.

Alvaro (not participating at this meeting), saw problems with that. Changing the datatype would affect all European usages of the class (it is used in ECAN messages).

By the way, the ACC looks like this, e.g., almost the same as the class in basic CIM:



Jan (SE) think one problem for Alvaro is that he would not like to maintain more than one ESMP; one based on the current CIM model unaffected for the current ECAN usages, another ESMP based on the next CIM model where “Decimal” is changed to “DecimalQuantity” not to be used by ECAN exchanges, but possible to use for everything else.

The need for Alvaro having to maintain two ESMP versions would be when some ECAN message will be (slightly) updated, e.g., adding something to the XML-schema – but without wanting to also change the datatype for attributes not needed to be changed – and letting versions to be compatible.

Kees talked about how we can tell: This XSD having this version is based on this market profile having this version. And how can we tell: This market profile having this version, is based on this version of the basic CIM model. An xsd can be used for several years, a new version will be available – but which profile version is it based on? ESMP is very much linked to the basic CIM model, changes there will affect ESMP. Other kinds of

profiles in other parts of the world, or on WG13/WG14 parts of CIM, could more “stand by themselves” – but also needs to have some information: on which basic CIM model is this profile based on?

Let us spend some time at this ETC on versioning of CIM models, profiles and xsd:s (or whatever format).

Jan (SE) don't know the possibilities following IEC 62325-450 rules on how to change datatypes. Even if changing “DecimalQuantity” back to “Decimal” in the profile is allowed, he would not suggest it since the idea in basic CIM would be to remove unitSymbol since that is part of a “DecimalQuantity” data type.

More relevant would be to look at other classes where there are Decimal attributes (+ a unitSymbol and unitMultiplier) that actually could be changed to DecimalQuantity, but let us not look at that, let us look at the versioning issue.

Some slides describing it could then be brought to a future WG16 meeting.

From discussion at the meeting:

- Kees stressed that it must be possible to make changes to CIM, even if it gives problems for existing implementations. One solution may be using versioning.
- It was discussed if versioning shall be on class level, package level (e.g. ACC package, ABIE package ...) or on model level. We are used to the latter from UN/CEFACT where we get two versions every year. Basic CIM (IEC62325-301) will be published as new IEC standards every second, third or fourth year, however with new draft versions when Becky finds the need to publish it.
- Jan (SE) informed that in the ENTSO-E xsd:s you will find uri-references to the CIM-model, like <http://iec.ch/TC57/2013/CIM-schema-cim16#> and in the future <http://iec.ch/TC57/CIM101#> - So, references to basic CIM but not to ESMP or a version of ESMP.
- The xsd's from ENTSO-E uses the UN/CEFACT xml naming and design rules (NDR) way of having a version in the filename.
- It was noted that there is a version class (date, version and comment) in the ESMP package, however not updated since 2016.
- We should start agreeing versioning principles on a European level, but we must have in our mind that it must be possible making national or regional versions with separate versions.

Conclusion:

- The ebIX® suggestion towards CIM EG retail market group and WG16 is:
 - A market profile consists of an ACC package and one or more ABIE packages that may have different version numbers.
 - Individual ACCs can have a lower version than the ACC package – an alternative is adding a latest update date on individual ACC class level (where the latest update date on the individual ACC may be older or equal to the latest update date of the ACC package).
 - Similar rules as for individual ACCs and ACC packages applies for individual ABIEs and ABIE packages.
 - Payloads are based on a set of CCs (ABIE package) and not on individual ABIEs ones.

To be followed up.

4 Request from EBG

The item was postponed.

5 EG1 status

Kees informed that the EG1 meeting the day before had spent the whole meeting on discussing the Reference Information Model. The conclusion is still that in the IA it will be stated "Reference Information Model such as IEC CIM".

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

The item was postponed.

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 2022.A

The item was postponed.

9 Code lists from Magic Draw model in Word format

The item was postponed.

10 Review of ETC workplan

The item was postponed.

11 Next meetings¹

- Wednesday February 23rd from 13:00 to 15:00, GoToMeeting
- Tuesday March 22nd from 13:00 to 15:00, GoToMeeting.
- Tuesday March 29th and Wednesday March 30th, 2022, with a common ebIX® Forum and ETC dinner the evening of Wednesday March 30th, at BDEW's offices in Berlin.

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

12 AOB

12.1 The content of Consents - a work done now in Sweden

The following information from Jan (SE) was taken ad notam:

I will expect a decision during February if we will start to exchange consents in a more standardized way in Sweden.

Some background.

Today the consents are sent from an Energy supplier (or ESCO) to a DSO or to (old) supplier in many kinds of formats and ways. It could be an audio file, where the receiver then can hear the customer say “yes” to some questions. It could be any kind of non-standard document where the consent is given. The consent could be without end-date, allowing the Energy supplier to come back several years later and start the process again – perhaps then the customer does not remember that he gave this consent. The hope is that a (mandatory) standard could limit the irritation from many customers not wanting a company to act on their behalf and reduce the amount of manual work within the industry.

The idea is to have standardized (mandatory) forms to be e-mailed from the ESCO to the DSO, from the (new) Energy supplier to the DSO or to the old Energy supplier. However, the idea is also to make it possible, probably as next step, to send these forms as “EDI messages”. Most likely the using a JSON-format, but – as I want them – to be based on CIM. The idea, in this next step, is to send both the form and the JSON-file in the same exchange making it possible for the receiver to choose: handle it manually or handle it automatically.

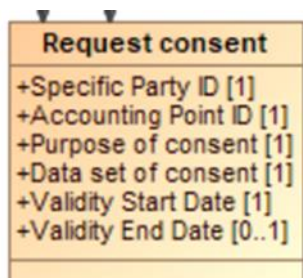
The form, that will be mapped to CIM, will contain a set of information regarding the consent. There will be two variants of the form. One for private customers, and one for corporate customers (and actually including an estate after turn of year when the deceased customer is no longer “a private person”). But very similar.

Let us guess that a consent will have an Id. One important attribute is: what is covered by this consent? The working group has listed about nine different purposes of consents. Consent number 1234 for one or a set of accounting points, can then first have e.g. two of these purposes, later be updated to also include a third purpose. But will not be valid any longer than three months. Three of the purposes are only valid for ESCOs, the others are for Energy suppliers (or brokers trying to the find the best contract for the customer). No consent will last longer than three months, after that it is expected that the customer got what he wanted to happen. I.e. a contract with a new Energy supplier or changes in his current contract, or a contract with an ESCO – with a running information flow.

Looking now at

- [ebIX BRS for administration of consent v1r1C.pdf](#)

I find the relevant “Request consent” to start from



Regarding the nine different purposes of consents, I give you three examples relevant for an ESCO:

- 6) You are allowed to get information about my earlier use of energy at this accounting point [maximum three years]
- 7) You are allowed to start getting the metered values at this accounting point [i.e. the DSO will start to send the values to the ESCO]
- 8) You are allowed to start hourly metering (or higher resolution) at this accounting point [i.e. the ESCO will ask the DSO to change from monthly to hourly metering]

Other purposes are relevant for brokers or Energy suppliers. And of course these purposes will change from country to country and over time.

Perhaps we will group the purposes into some “types of consent”, in a way related to the role of the Specific Party, but rather the process, e.g. “Change of supplier”, “Move in/move out”, “ESCO-related”, “Invoicing”

Looking a bit into CIM, I could expect a “consent class” to be based on “Document” – almost 50 classes in CIM are directly based on Document, so one more will not be noticed... But I will now look more into this and can show later this month or next, an early draft. Dependent of course what will be decided to happen with the project.

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.