Minutes ETC meeting, January 27th, 2021

Date: Thursday January 27th, 2021
Time: 10:00 – 12:00 and 13:00 – 15:00
Place: GoToMeeting

Present: 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 the following additions:

- Mapping of Combined grid and supply billing BRS to CIM, see item 3.1.6.
- Update of definition of the administrativeStatus attribute in Market Evaluation Point, see item 3.1.7.
- Preparations for WG16 meeting in the evening of January 27th and 28th, see item 3.4.

2   Minutes from previous meeting

The minutes from previous meeting ware 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 Appendix A in the separate appendix document. Minutes from WG16 meetings can be found at: WG16 / Modelling-Team-Minutes

Not solved topics from earlier meeting:

- Still let MarketEvaluationPoint inherit from UsagePoint?
    - There are not any obvious problems with the inheritance, it is more a modelling issue: is this a part of the market or the physics?

    Conclusion:
    - This is an item that should be discussed at a physical meeting; hence we will await doing anything.
    - Added to appendix A2.

- Compare extensions in the Nordic model with extensions in the Dutch model.

    Conclusion:
    - This is an ongoing task elsewhere on the agenda.

- Verify which extensions that are not yet agreed within WG16 (or WG14).
    - Describe those extensions and present them to WG16.

    Conclusion:
    - This is an ongoing task elsewhere on the agenda.

Items closed.

At the WG16 meeting January 7th it was noted that the MarketParticipant association to MarketRole is redundant (both part of 62325 and 61968). However, in 61968 the association a 1-to-many association, while in 62325 the association is a many-to-many association.

Conclusion:
- ebIX® think this is a market issue and prefer having a many-to-many association.

Item closed.

The conventions for how to use FlowDirection was discussed and the following proposed:

- The direction is seen from the MGA point of view.
- APs relates to only one grid area (MGA) and this is defined in Master Data.
- For Exchange Points the "reporting grid area" (the point of view) must be defined in the information exchange.

The convention will be proposed added to relevant EBG Measure BRSs.

Item closed.

ebIX® 2019/8:

- A definition was proposed for the meteredDataCollectionMethod (missing in the MR):

    Specifies how a Metered Data Collector collects data from the Meter for the Market Evaluation Point, such as Automatic or Manually.

Item closed.

Jan (SE) had by mail sent a report from WG16 CIM modelling team Thursday January 7 (see Adding Business Sector and updates of Market Evaluation Point.pptx at the ebIX® File Manager):

- We must find a definition of the "type" attribute in MarketEvaluationPoint, ref MR ebIX® 2019/3. Current proposal:
    - In the ebIX® model we have Metering Point Type. The current suggestion is to add an attribute "type" to the class MarketEvaluationPoint.
    - A possible definition:

A code specifying the direction of the active energy flow for the Market Evaluation Point(s), such as consumption, production or combined.

o However, it must not be implemented as a code, better would then be:

Specifies the direction of the active energy flow for the Market Evaluation Point, such as consumption, production or combined.

o Since the same kind of information could be told by using the class FlowDirection, would another option be to associate FlowDirection with MarketEvaluationPoint?

o Where the association in basic CIM could tell that a MarketEvaluationPoint may have more than one FlowDirection, and one type of FlowDirection could be used by many MarketEvaluationPoints. (In the profile that would be limited, possibly that a MarketEvaluationPoint just has one FlowDirection – however then that the code used there could tell that the energy flow can go in both directions.)

o But since we also have the metering point type "Exchange" (where the flow may go in both directions), I (Jan (SE)) would not suggest using FlowDirection, but rather then update the definition of type, e.g. to something like:
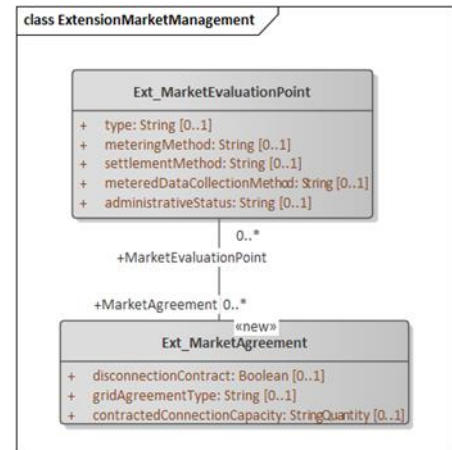
Specifies the type of the Market Evaluation Point, such as exchange, consumption, production or combined.

Conclusion:

o Updated proposal for definition of MarketEvaluationPoint/type:

Specifies if the Market Evaluation Point is an Exchange Point or an Accounting Point.

o In addition we need an association between the MarketEvaluationPoint [0..*] and FlowDirection [0..*]

o In the ESDMP we will call the association Default_FlowDirection.

- We must verify the following definitions of attributes in MarketEvaluationPoint:

    1. **administrativeStatus:**

        Specifies whether (or not) the Market Evaluation Point is active part of the imbalance settlement. E.g., if still physically connected, but inactive in the market, the energy volume for the Market Evaluation Point will be part of the losses in the grid.

        Suggested definition for administrativeStatus:

        Specifies whether (or not) the Market Evaluation Point is active part of the imbalance settlement.

        Additional information:

        E.g., if still physically connected, but inactive in the market, the energy volume for the Market Evaluation Point will be part of the losses in the grid.

2. **meteringMethod**

Specifies how the energy volumes are established for the Market Evaluation Point(s), such as continuous, non-continuous, or not-metered.

Suggested rephrasing of meteringMethod:

Specifies how the energy volumes are established for the Market Evaluation Point(s), such as continuous, non-continuous, calculated or not-metered.

3. **settlementMethod**

Specifies how the energy volumes are treated for settlement for the Market Evaluation Point(s), such as profiled or non-profiled.

Suggested rephrasing of settlementMethod:

Specifies how the energy volumes are treated for settlement for the Market Evaluation Point(s), such as profiled or non-profiled.

The new proposals will be presented at the WG16 meeting in the afternoon..

Items closed.

At the W16 meeting January 7th, Becky showed a list of definitions that she got for the attributes within and associated with ChargeType. Jan (SE) proposes that we (ETC) go through that list in order to see if the definitions of attributes we want to use are in line with our needs:

- MajorChargeGroup

    o frequencyType – Run frequency, Daily or Monthly
    o invoiceType - Invoice that the settlement run will appear on. Market or RMR invoice type
    o requireAutorun - Whether job is automatically (for example initial) or manually scheduled
    o runType - Settlement, Billing or Invoice run type
    o runVersion - Settlement Run Version, Initial, Recalculation or Rerun

- ChargeType

    o chargeOrder – Sequence of calculation
    o factor – Adjustment factor
    o frequencyType – frequency of calculation
    o totalInterval - Total number of intervals to indicate if charge is 5 minute (300), 10
    o minute (150) hourly (25) or daily or monthly (1)

- ChargeGroup

    o marketCode - Market type, defaulted to Market

- ChargeComponent

    o deleteStatus - Flag to indicate logical deletion of charge component
    o equation - Actual charge equation using Excel like formulas and Bill Determinant names
    o message – I did not find this in the XSD, any chance this was removed?
    o roundoff - Precision of component output

- o   sum - Flag to indicate component is summed
- o   type - Unit of measure such as Amount, Quantity and Price
- BillDeterminant
  - o   deleteStatus - Flag to indicate if logically deleted
  - o   exception - Bill Determinant exception flag
  - o   factor - Adjustment factor to values, normally 1
  - o   frequency - Bill Determinant Frequency value
  - o   offset – I did not find this in the XSD, any chance this was removed?
  - o   primaryYN - Flag to indicate if Bill Determinant is a direct input. TRUE is an input, FALSE is calculated
  - o   referenceFlag - Reference name if standing data
  - o   reportable - Bill Determinant Reportable Flag to indicate and control whether the BD shall be published to external participants
  - o   roundoff -Precision in decimals of Bill Determinant values
  - o   source - Source type of input data mapped to Bill Determinant

If we do a mapping from the figure below to the (Charge) classes in CIM, what is still missing?

Not all of the attributes in the "Charge classes" are listed in the Excel sheet, those we can add there and suggest our own description (definitions) from the ebIX® model.

For those that we do find in the Excel sheet, what is our ebIX® definition? We might then suggest changes to the definitions in CIM.

At the WG16 meeting next week we will go through the Excel sheet – and then we (Kees and I) can suggest more attributes to be listed there, with definitions based on what we have in the ebIX model.

I do not have the latest ebIX® model, so I cannot check the definitions there. But perhaps something is published at www.ebix.org?

I can do some work regarding the mapping (like we did in the Technical Report).
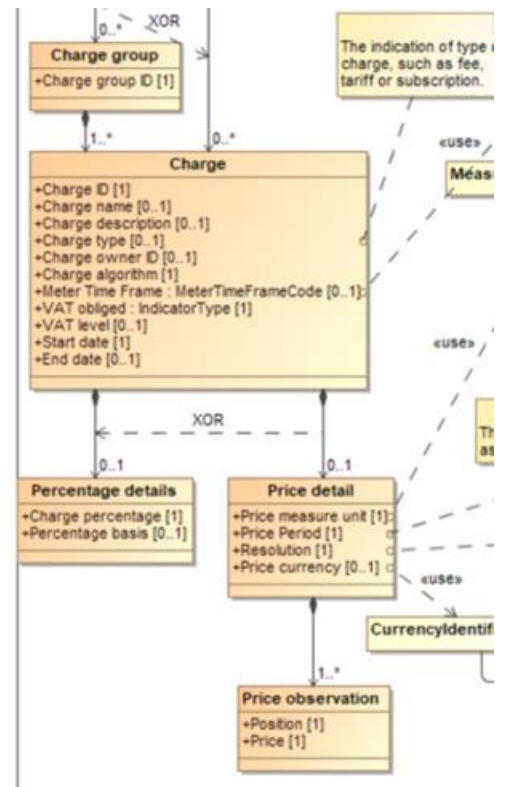
BR Jan

Conclusion:

- The definitions above have been added to the draft CIM model (Becky's).

- The attributes are not part of the ebIX® model, hence for the time being, we take the definitions ad notam.

Item closed.

3.1.2   New and continued actions from previous meeting

The item was postponed.

3.1.3 Status for MRs to WG16 based on Dutch and Nordic CIM pilot projects

The item was postponed.

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

The item was postponed.

3.1.5 Aligning the result from the Dutch and the Nordic IEC CIM pilot projects

The item was postponed.

3.1.6 Mapping of Combined grid and supply billing BRS to CIM

Jan (SE) showed the mapping done so far. Jan (SE) has used similar technique as was used in the TR, i.e., drawn dependencies from the ebIX® classes and attributes to the proposed classes and attributes in CIM.

Item to be continued.

3.1.7 Update of definition of the administrativeStatus attribute in Market Evaluation Point

The attribute administrativeStatus was discussed above, see 3.1.1.

The updated definition was added to appendix A.

Item closed.

3.2 How to add additions to CIM

The item was postponed.

3.3 Procedures for how to align IEC MRs between EBG and ETC

The item was postponed.

3.4 Preparations for WG16 meeting in the evening of January 27th and 28th

The agenda for the WG16 meetings in the evening of February 27th and 28th was reviewed.

The changes to CIM proposed at this meeting (ETC) will be presented at the WG16 meeting this evening.

Jan (SE) informed that there is an old WG16 action item regarding Reconciliation (62325-451-4) that is marked for reopening. The current document only concerns central reconciliation; hence the local reconciliation is missing.

Item closed.

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

The item was postponed.

5 Resolve HG issues

The item was postponed.

6 ebIX® Business Information Model 2020.A

6.1 Use of XOR in combination with cardinalities

Action:

- Kees will make a proposal for update the "ebIX® introduction to Business Requirements and Information Models" with a chapter explaining the relationship between cardinalities and OR/XOR, including:
    - o XOR and cardinality of [1] lead to a required choice in the XML schema;
    - o XOR and cardinality of [0..1] lead to an optional choice in the XML schema.

6.2 Comment to Settlement Method Code E15

Gerrit has noted that the descriptions of Settlement Method Codes are not very clear:

| Z01¤ | Flex·settled¤ | Consumption·or·production·from·small·continuously·read·Accounting·Points¤ |
| E15¤ | Non-profiled·netted·with·special·rules¤ | ~~Metering~~·Accounting·point·with·~~both~~·consumption·and/or·production·with·special·~~settlement~~·rules.¤ |

The first says it is consumption or production, the latter states it is an AP. I at least would expect that it is something with settlement and the way how it is done. The current definitions do not make much sense.

At the previous meeting it was proposed to rephrase the definition to:

"*Consumption and/or production with special rules*"

And, Gerrit has agreed that this is a better definition.

The item was moved to Appendix B.6 in the separate appendix document.

Item closed.

6.3 Request from EBG for a new Response Reason Description Code

The item was postponed.

6.4   Continue review and update of version 2020.A

The item was postponed.

7   Code lists from Magic Draw model in Word format

The item was postponed.

8   Review of ETC workplan

The item was postponed.

9   Next meetings[1]

- Thursday February 18, 2021 from 10:00 to 12:00 and from 13:00 to 15:00, GoToMeeting.
- Wednesday March 24, 2021 from 10:00 to 12:00 and from 13:00 to 15:00, GoToMeeting.

10   AOB

No items.

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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.