


Minutes: NMEG meeting Date: Tuesday May 23 rd and Wednesday May 24 th , 2023 Time: 09:00 – 16:00 and 09:00 – 15:00 Place: Fingrid's offices in Helsinki	 NMEG Nordic Market Expert Group
June 1 st , 2023	

Present: Christian, Energinet
Jan (DK), Energinet
Jan (SE), Svenska kraftnät
Jon-Egil, Statnett (Convenor)
Ove, Edisys (Secretary)
Teemu, Fingrid
Tuomas P, eSett, FI (first day)

To (NMEG): Anne Stine, Elhub
Christian, Energinet
Jan (DK), Energinet
Jan (SE), Svenska kraftnät
Jon-Egil, Statnett (Convenor)
Miika, Fingrid
Ove, Edisys (Secretary)
Pamina, Energinet
Teemu, Fingrid

CC: Bent Atle, Statnett (NBM)
Fedder, Energinet
Fredrik, Fingrid
Hans Erik, Elhub
Mario, Elhub
Tage, Energinet

To (Invited guests): Antti, eSett, FI
Søren, Nordic RCC
Tommy, eSett, FI
Tuomas L, eSett, FI
Tuomas P, eSett, FI

Appendix A: Overview of Nordic memberships in international standardisation bodies

Appendix B: Overview of the usage of xml-schemas in the Nordic countries

Attachment: None

1 Approval of agenda

The agenda was approved with the following additions:

- Shall we add BSP and Scheduling Agent to ERRP Planned Resource Schedule Document in BRS for Schedules? See item 7.6.
- Report from NMEG CIM XML subgroup meeting April 28th under item 11.1
- New joint wg between EU DSO Entity and ENTSO-E, see item 14.1.
- IEC CD 62746-4 Demand side resource interface, see item 16.1 under AOB
- IEC CDV 61968-9 Interfaces for meter reading and control, see item 16.2 under AOB

2 Approval of previous meeting minutes

The previous meeting minutes were approved without comments.

3 Status from NEX (Nordic ECP/EDX Group)

Background: NIT has taken over the responsibility for NEX (Nordic ECP/EDX Group), former "ECP/EDX Centre of Excellence". However, the group is still below NMEG in the "formal hierarchy". NMEG will be kept informed of progress in the group.

References (links):

**What to decide,
discuss or inform:** Status from NEX.

Jon-Egil informed that NEX has a common project ongoing with NBM, looking at requirements for ECP and mitigate issues.

4 Nordic RCC

Background: The Nordic RCC is working on TSO data exchange regarding Long-term Capacity Calculation process and need changes to ESMP and CIM.

References (links): None.

**What to decide,
discuss or inform:** Update of ESMP and CIM based on Nordic RCC needs.

Noting new reported.

5 Support to the NBM project – prioritised item

Background: The NBM-project (Nordic Balancing Model) is going forward and there is a need for a number of new CIM based documents.

References (links): <http://nordicbalancingmodel.net/>

**What to decide,
discuss or inform:** Status for the NBM project and possible task for NMEG.

5.1 Update of NMEG BRSs based on NBM input

5.1.1 [Review of updates \(comments\) in BRS for Operate](#)

Comments in the BRS were reviewed and some updates agreed.

Action:

- Ove will update the BRS for Operate according to notes from the review.
- Ove will thereafter send the BRS on circulation for comments to NMEG for one week before publishing it.
- Item closed.

5.1.2 [Review of updates \(comments\) in BRS for Determine transfer capacity](#)

Comments in the BRS were reviewed and some updates agreed.

Action:

- Ove will update the BRS for Determine transfer capacity according to notes from the review.
- Ove will thereafter send the BRS on circulation for comments to NMEG for one week before publishing it.

Item closed.

5.1.3 [CIM master data documents for NBM based on NBS master data documents](#)

See “Report from NMEG CIM XML subgroup meeting April 28th” under item 11.1.

Action:

- Jon-Egil will investigate within CIM WG if they have a good place for “ECP endpoint”, “EDX service” and “Allowed email domains: string”
- Jan (SE) will investigate within WG16 if they have a good place for “ECP endpoint”, “EDX service” and “Allowed email domains: string”

6 Status for MRs to ENTSO-E

Background: NMEG has sent several Maintenance Requests (MR) to ENTSO-E during the last years and some of these (about 10 MRs) has been postponed by CIM WG.

References (links): The MRs can be downloaded from Statnett’s eRoom.

What to decide,

discuss or inform: Review and update of statuses in NMEG MR Overview document.

Since there hasn’t been any CIM WG meetings since previous NMEG, the item was postponed.

7 Status and update of Nordic BRSs and other documents if needed

Background: NMEG is responsible for a set of BRSs that are published at www.ediel.org.

References (links): None.

What to decide,

discuss or inform: Update of BRSs and other documents if needed.

7.1 [Exchange of settlement information between the Nordic TSOs – prioritised item](#)

Background: Svenska kraftnät is using an older ebIX[®] based xml document towards two TSOs and plan using a newer ebIX[®] and CIM based document towards a third TSO. The codes used for the two older xml exchanges are ebIX[®] codes, while the third TSO wants to use ENTSO-E codes.

An alternative is using the EAR (Energy Account Report) document, which among others is used between Energinet and TenneT and expect it to be used for the Viking-link.

References (links): None.

What to decide,

discuss or inform: Assuming we (the Nordic countries) will use EAR (in a CIM version) for most of our exchanges of settlement information between the TSOs, can we agree upon some

common codes and usages of that message, instead of having bilateral agreements? And since eSett also is using that message (a namespaced version of the ENTSO-E ESP Energy Account Report version 1.2) it would be relevant to get input from eSett regarding their possible updates and change to CIM.

Bilateral discussions between Denmark and Sweden have just started, perhaps that should be “part of” a more general Nordic discussion, and documentation, of how to exchange settlement information?

At the NMEG meeting in November, it was proposed to add an in_Area and an out_Area to the EAR document. Alternatively it may be an option using the ERRP Allocation Result Document.

Since we will do updates due to changes from 60 minutes to 15 minutes resolution, why not also do something about the exchange of e.g. MSCONS messages to something more modern”.

See documents from Jan (SE):

- PowerPoint presentation “Settlement information between TSOs.pptx”, which was distributed to NMEG February 28th, and redistributed October 6th.
- Excel sheet showing settlement related information exchanges with the following columns: “Description”, “Per (MP, SO...)”, Unit, Partis for Svk exchange” and “Comments Svk”, distributed June 2nd, and redistributed October 6th.

Jon-Egil had filled in the Excel sheet from Jan (SE) with the Norwegian exchanges.

Jan (SE) showed an Excel sheet showing a possible mapping of the information to be exchanged, based on the ENTSO-E EAR document.

At the next meeting we will investigate the EAR and the FSKAR documents to see if they are suitable for the exchanges.

Continued action:

- Someone from Denmark (Jan (DK) will find out who in Denmark) is asked to fill in the Excel sheet from Jan (SE) with today’s exchanges and the content (information) behind it.

7.2 *Intraday Auctions (IDA) and Ediel ECAN Publication Document (in NBS-BRS for TSO-MO)*

From Tuomas:

In eSett we have a need to enable also Intraday Auction Prices in the document, so this would require a new Business Type code for it. There wasn’t any direct match for it in the code list.

However, the issue is that there are currently three IDAs planned, meaning that there will be three price timeseries as well. So, we would need a way to distinguish IDA1, IDA2 and IDA3 somehow within the document.

Alternatives may be to use the Allocation ID, Allocation Type or Contract Type; however, this must be investigated and if applicable we should follow the solution used by the IDA project.

Ove had as action asked Tuomas: Who is sending and receiving this information today? With the following answer (April 17th):

Basically, eSett allows all market participants to request in xml format (NEG (based on ENTSO-E ECAN) Publication Document) any price data that is available and displayed in the settlement system for users. So, the sender is eSett (“A05” – Imbalance Settlement Responsible) and receiver is any of the following:

- “A12” – Retailer (Balance Supplier)
- “A08” – Balance Responsible Party (BRP)

- “A09” – Distribution System Operator (Grid Operator)
- “A04” – Transmission System Operator (TSO)
- “A46” – Balancing Service Provider (BSP)

Tuomas (April 17th) informed that the IDA project currently is using the following principle for the use of different IDA prices in the IDA project is following:

- Publishing of prices from Selecting Service via ECP/EDX
- Document standard: [CIM] ENTSO-E Publication document – UML model and schema version 1.1
- Document Recognition: The document must be compliant with the XSD: Publication_MarketDocument v7.1
Schematron is defined as follows: Document type: A52 (Price document)
- How the different IDA prices (and DA price) for each day are planned to be separated is via ECP/EDX message type text
 - eSett can't use the same solution in providing the information to other market participants since also other channels than ECP/EDX are used.

Jon-Egil had as action verified with the IDA project how this is exchanged today. He has suggested for the IDA project to use the marketAgreementType in the Schedule document for a similar purpose. This will be dealt with in a meeting June 1st. If Jon-Egil's proposal is accepted, we will suggest using the contractType attribute in the Publication document using the codes ID1, ID2 and ID3.

To be continued at the next meeting.

7.3 Update of NBS BRS with the option of sending negative losses

Status for update of NBS BRS, “5.2 NEG (ebIX® based) Aggregated Data per MGA (E31, E44) – consumption”:

- a) Shall we remove the note saying that quantity can be negative for Business Type **A07**:

Note:

- Business type “**A07** Net production/ consumption” **uses signed values, i.e. will be negative when pumping.**

Continued action:

- Jon-Egil will verify if Norway is sending negative **A07**

- b) Can we Replace Process Type “**Z05** Bilateral Trade” with “**A59** Internal trade reporting”

- To be investigated when we can Replace Process Type “**Z05** Bilateral Trade” with “**A59** Internal trade reporting” in NBS BRS, “5.2 NEG (ebIX® based) Aggregated Data per MGA (E31, E44) – consumption”.

From Tuomas November 17th, 2022:

We'll most likely need a transition phase (several months) where BRPs may use either old code **Z05** or new code **A59** as sudden 'forced' go-lives have proven to be difficult.

- This might not need to impact the BRS, but only eSett on a system level.
- 'A forced go-live' is however necessary for reporting from eSett back to market parties, as we need to decide which code we should apply during different time frames.

I support that we'll do this change, but first we'll need to plan it, communicate it clearly to market and give them enough time to react and adjust on their end.

Ove had as action asked Tuomas for a plan regarding item b) above, i.e. for when we update the NBS BRS and when the transition period will be, with the following response:

We discussed the topic of process type change together with our TSO expert group on 9th of February.

It was concluded that the change can be done earliest in H1/2024 and in two phases with adequate transition period. Transition period meaning in this case that both Z05 and A59 are supported during some interim period.

There were remained some open questions as some of the TSOs need to discuss both internally and with their vendors before committing to a more detailed time plan.

Hopefully, I can get back to this topic with more accurate plans soon once we have received replies from the TSOs.

Conclusion from meeting May 23rd, 2023:

- We must await more info from Tuomas.

7.4 Final (?) review of update of NBS BRS for Master Data

Clarifications from Tuomas:

- Is Party Master Data sent to (or downloaded by) the Retailer (Energy Supplier and/or Trader)?
From Tuomas March 1st:

- Party Master Data is not sent to (or available for download by) the Retailer.
- believe that the BRS for master data can be published.

Conclusion:

- No need to update BRS
- Verification of sender and receiver of Resource Master Data and Generator Group master data.

From Tuomas March 1st:

- Resource and Generator Group Master Data is debatable. We have some things designed, but suspended, so all the senders and receivers are not currently active.
- At the moment, we are not planning to continue with the suspended development, but I can't say what the situation will be for example in 2-3 years.

▪ Senders:

- A04** System Operator → Not active, a suspended development
- A05** Imbalance settlement responsible
- A08** Balance Responsible Party → Not active, a suspended development
- A26** Metering Point Administrator (DSO)

▪ Receivers:

- A04** System Operator → Not active, a suspended development
- A05** Imbalance settlement responsible
- A08** Balance Responsible Party
- A26** Metering Point Administrator (DSO).

- Overall, I believe that the BRS for master data can be published.

Conclusion May 23rd:

- The BRS is OK as is.
- Thereafter Ove updated the BRS based on the response from Tuomas, however with the following questions:

Conclusion May 23rd:

- The updates is OK.

From Tuomas March 14th:

- 1) BSP has no relation to trades, so they don't have to be sender nor receiver in any trade structure data.

Conclusion May 23rd:

- No update needed.

- 2) To me it would make more sense to have BRP in the sequence diagrams, as they are in many ways more involved than BSP.
- BSP is involved mainly in the Balancing Services and not really in anything else. After a short review, I would say that only relevant master data for them is *Resource Object (Generator Group Relations)* from the business point of view.
 - BRP, however, is involved in nearly everything from the business point of view. They are a participant in the *Party Master Data, Resource (Production Unit) Master Data, Resource Object (Generator Group Relations) Master Data and Trade Structures*.

Conclusion May 23rd:

- BRP (BSP) is added to “Sequence diagram: NBS Master Data exchange phase - Distribute master data”.

- 3) Relevant parties for Resource (Production Unit) Master Data:

- DSO (responsible for the master data)
- System Operator
- Imbalance settlement responsible
- Balance Responsible Party (financially responsible for the Production Unit)
- Energy supplier (not a sender/recipient but an attribute/role for the Production Unit)

Conclusion May 23rd:

- BRP (BSP) is added as receiver.

- 4) Relevant parties for Resource Object (Generator Group Relations) Master Data

- System Operator (responsible for the master data)
- Imbalance settlement responsible
- Balance Responsible Party (responsible for the settlement data and e.g. production plans)
- Balancing Service Provider (assigned BSP may use the RO to deliver balancing services)

Conclusion May 23rd:

- The BRS is OK.

- The use and documentation of data exchange related to master data in eSett is not in great shape. However, I have a good understanding from the business point of view about the actual relations, responsibilities and potential needs for master data.

From Tuomas March 16th:

- BSP is not directly involved in BZ or MGA master data, but the data is public (at least parts of it), so it's okay to me if BSP is added as a potential receiver for the data.

To do or verify:

- The BSP is not receiving MGA-MGA relations or MGA master data, according to “Figure 1 Sequence diagram: NBS Master Data exchange phase - Distribute master data”.

Conclusion May 23rd:

- The BRS is OK.

Action:

- Ove will update the NBS BRS for master data according to notes from the review.
- Ove will thereafter send the BRS on circulation for comments to NMEG for one week before publishing it.

Item closed.

7.5 *Status for new Nordic extended Schedule Outage Market Document*

Review of the Nordic extended Schedule Outage Market Document to see if it should be published at www.ediel.org.

No news hence postponed.

7.6 *Shall we add BSP and Scheduling Agent to ERRP Planned Resource Schedule Document in BRS for Schedules?*

From Jan (SE) May 9th:

I look at the published document for the Nordic Scheduling and Ancillary Services Process, see <https://ediel.org/wp-content/uploads/2023/03/BRS-for-Nordic-Scheduling-and-Ancillary-Services-Processes-v3r2A-20230309.pdf>

In chapter 6.2 the ERRP Planned Resource Schedule Document is described. The only two roles that could send a plan are A04 System Operator and A08 Balance Responsible Party. Currently it is the BRPs that are sending production and consumption plans to Svenska kraftnät (using the DELFOR message). How is this done in your countries?

Comment May 23rd:

- Also, in Norway DELFOR is used.

But, when following the EU Commission Regulation 2017/1485 (<https://eur-lex.europa.eu/legal-content/EN/TXT/PDF/?uri=CELEX:32017R1485&from=EN>), it will be the Scheduling Agent that will submit the plans. See Article 110 and 111. See for instance Article 110 where we can read:

"For each power generating facility and demand facility subject to requirements for scheduling set out in the national terms and conditions, the concerned owner shall appoint or act as a Scheduling Agent."

So, for a resource object we will assume there will be a Scheduling Agent that will send in the production or consumption plans. That Scheduling Agent may of course be a BRP, a BSP or some other kind of actor - or just the owner of the resource, but it is in his role of Scheduling Agent that he will send the plans.

Reading our document, see the first link above, I only note the BSP (see chapter 3) as the role submitting operational schedules. Of course, a BSP will submit plans, e.g., for FCR plans etcetera. But we also get plans from Scheduling Agents that are not BSPs. So, I would suggest adding two roles to chapter 6.2 that may send in plans:

- Scheduling Agent
- Balancing service provider

Let us keep the BRP there because he is currently the one that sends the plans.

And, finally, how are you implementing Regulation 2017/1485 in your countries? Still, we are in Sweden requiring the ones sending the plans to be BRPs, but that will most likely be changed once we have added the BSPs to the Swedish market. And we will then also most likely add the Scheduling Agent that is described in the regulation.

From Jan (SE) May 10th:

I partly withdraw my comment...

ACER has suggested that “Scheduling Agent” should be removed from that regulation (to be checked with another regulation, I think, where it is stated that those plans should be sent by a BRP).

That does not remove the possible change that other kinds of plans could be sent in by the BSP, or perhaps by the owner of the resource.

Conclusion:

- BSP was added to ERRP Planned Resource Schedule Document in BRS for Schedules.

Action:

- Ove will send the BRS for Schedules on circulation for comments to NMEG for one week before publishing it.

Item closed.

8 Status for Swedish Flexibility project

Background: Sweden has two ongoing “Flexibility projects” that now want to use CIM based messages for the exchanges to/from the flexibility platforms. Among others one called Stockholm flex where Vattenfall is candidate for making CIM documents for the project(s).

To keep document exchanges as harmonised as possible in the Nordic countries, NMEG has offered them NMEG's help in making the needed CIM based xml schemas.

References (links): None.

What to decide, discuss or inform: Status report from Jan (SE).

No news hence postponed.

9 Common European Area project

Background: ebIX® has proposed a project plan for a common European Area project. ebIX®, ENTSO-E (CIM WG) and ENTSG has confirmed participation and the new EU DSO Entity is trying to fine member(s).

Since ebIX® is closing down, ENTSO-E has been asked to take over the lead of the project.

References (links):

What to decide, discuss or inform: Status for the project.

No news hence postponed.

10 XML schemas

Background: The NMEG set of schemas, including extended table with TSO columns, are shown in Appendix B.

When we start a project together with NBM (Nordic Balancing Model), everyone are asked to find what versions of xml-schemas are used to day in different projects and come up with proposals for new schemas and/or sets of schemas that should be published at www.ediel.org.

References (links):

What to decide,

discuss or inform: Verify the list of proposals for new schemas and/or sets of schemas, from the NMEG participants, which should be published at www.ediel.org.

Ongoing task:

- All are asked to find what versions of xml-schemas are used to day in different projects and come up with proposals for new schemas and/or sets of schemas that should be added to Appendix B and be published at www.ediel.org.
- Ove will update the table based on NBM documentation received from Bent Atle (NBM/Fifty), when the NMEG BRSs are updated with NBM documents.

No news hence postponed.

11 NMEG CIM-XML Subgroup

Background:

At the NMEG meeting November 2019, it was agreed to establish a NMEG CIM-XML Subgroup that will make Nordic CIM based XML documents. The following tasks are prioritised (updated at NMEG meeting March 2020):

- a) Update the NMEG model with the latest ebIX® extension.
- b) Make a road map for making CIM documents for the Danish Datahub version 3.0.
- c) Continue with NBS documents:
 1. NBS ebIX® based documents.
 2. NBS documents based on older ENTSO-E schemas.
 3. NBS master data documents.

The members of NMEG CIM-XML Subgroup are Christian, Jan (DK), Jan (SE), Teemu and Ove.

References (links):

What to decide,

discuss or inform: Status for looking into making CIM based document to replace the ebIX® XML documents used towards eSett today.

11.1 Report from NMEG CIM XML subgroup meeting April 28th

The meeting discussed CIM party, Resource, Portfolio and Market master data documents for NBM.

- Participants: Christian, Jan (DG), Jan (SE), Jon-Egil, Ove and Teemu.
- We think the “NMEG Trade Structure Document” is used for a different purpose than a “Market master data document” (containing the “Market” and “Party agents” classes in the class diagram from Unicorn), hence the “NMEG Trade Structure Document” is skipped for the time being.
- We assume we will make four documents (MktActivityRecord):
 - Party master data
 - Resource master data

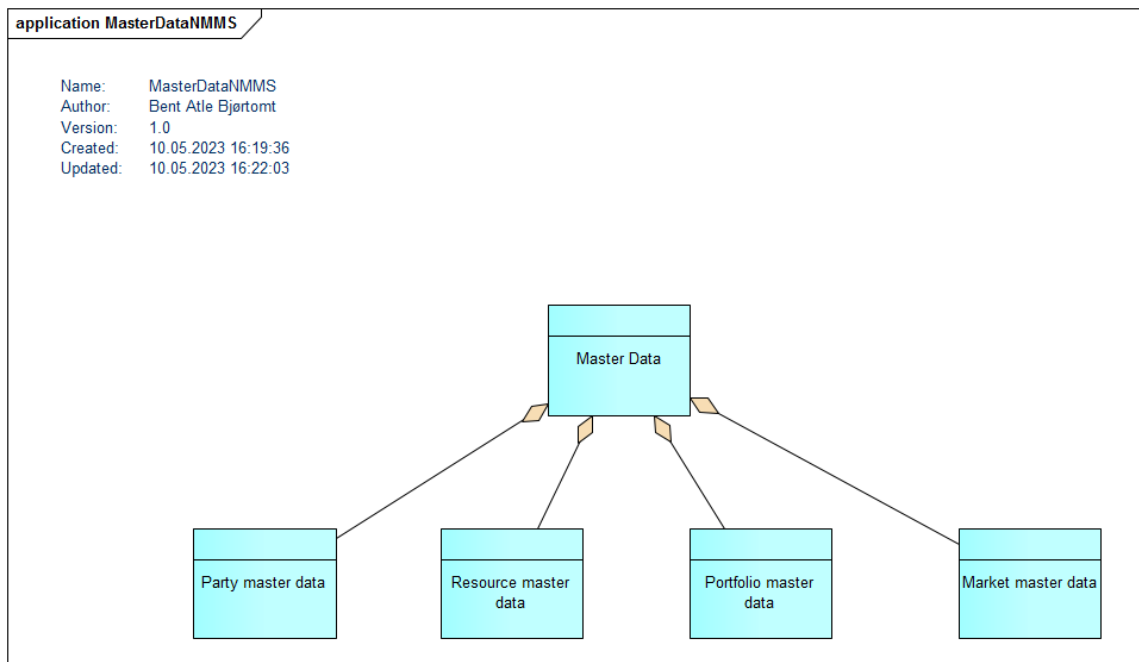
- Portfolio master data
- Market master data
- The ESMP MarketParticipant has the compound ElectronicAddress, however only containing one out of eight attributes from the IEC61968/Common package, namely Email1.

The mapping will continue at the NMEG meeting in May in Helsinki.

Jon-Egil had investigated if the “ECP endpoint” and “EDX service” can be sent as one string in the compound ElectronicAddress attribute Email1: Characters70_String and the answer is yes.

- **endpointCode**
 - **Used to send a Message to a specific EDX EndPoint** identified by EndPoint code (the same as ECP EndPoint identification). Message is **without relation to any Service**.
 - If the used Message Type match the value of "messageType" element defined for Publication of given toolbox in EDX Network Configuration, the Message is not only sent to specific EDX EndPoint, but it is also published (i.e. delivered to all Subscribers of given Publication).
 - Example: *10VTEST-TEST-PR1*
- **SERVICE-serviceCode@DOMAIN-domainCode@SC-serviceCatalogueCode**
 - **Used to send a Message from the Service Consumer to the primary Service Provider.** Service code and domain code can be found in EDX Network Configuration of given Service Catalogue.
 - If the used Message Type match the value of "messageType" element defined for Publication of given toolbox in EDX Network Configuration, the Message is not only sent to the primary Service Provider, but it is also published (i.e. delivered to all Subscribers of given Publication).
 - Example: *SERVICE-LocalQualityGate@DOMAIN-TestDomain@SC-TestCatalogue*
- **endpointCode@SERVICE-serviceCode@DOMAIN-domainCode@SC-serviceCatalogueCode**
 - **Used to send a Message from given EDX toolbox to any other EDX toolbox related to the provided Service.** Message is **related to Service** specified by service code and domain code which can be found in EDX Network Configuration of given Service Catalogue.
 - If the used Message Type match the value of "messageType" element defined for Publication of given toolbox in EDX Network Configuration, the Message is not only sent to specific EDX EndPoint, but it is also published (i.e. delivered to all Subscribers of given Publication).
 - Example: *10VTEST-TEST-PR1@SERVICE-LocalQualityGate@DOMAIN-TestDomain@SC-TestCatalogue*

Shall we reconsider and make one Master Data Document, e.g.:



Conclusion May 23rd:

- No, we will make separate documents.

11.2 CIM for NBS

The NMEG CIM-XML Subgroup has made a proposal for how to migrate from old ebIX® documents to CIM documents for the NBS ebIX® based documents.

Interim conclusions (to be discussed in NMEG):

- Validated data for settlement for Aggregator:
 - The best alternative seems to be basing the document on the **Error! Reference source not found.**, see **Error! Reference source not found.**. However this is a Nordic document, and it may require some efforts to get it approved by ENTSO-E.
 - The second-best alternative seems to be sending a set of MRs for update of the **Error! Reference source not found.**, see **Error! Reference source not found.**.
- Aggregated data per MGA:
 - It doesn't seem to be any existing CIM documents that fits the need; hence we will probably have to make our own Nordic CIM document, see proposal in **Error! Reference source not found.**.
- Aggregated data per neighbouring grid
 - Of the existing ENTSO-E alternatives, the FSKAR document seems to be closest to the NBS need.
 - Suggest discussing in NEMG if should continue with the Nordic document made for the Danish DataHub or try to update the FSKAR document.
- Confirmation of aggregated data per neighbouring grid
 - The confirmation of aggregated data per neighbouring grid document has exactly the same attributes and associations as the Aggregated data per neighbouring grid, hence we should use the same document, possibly with a different document type.

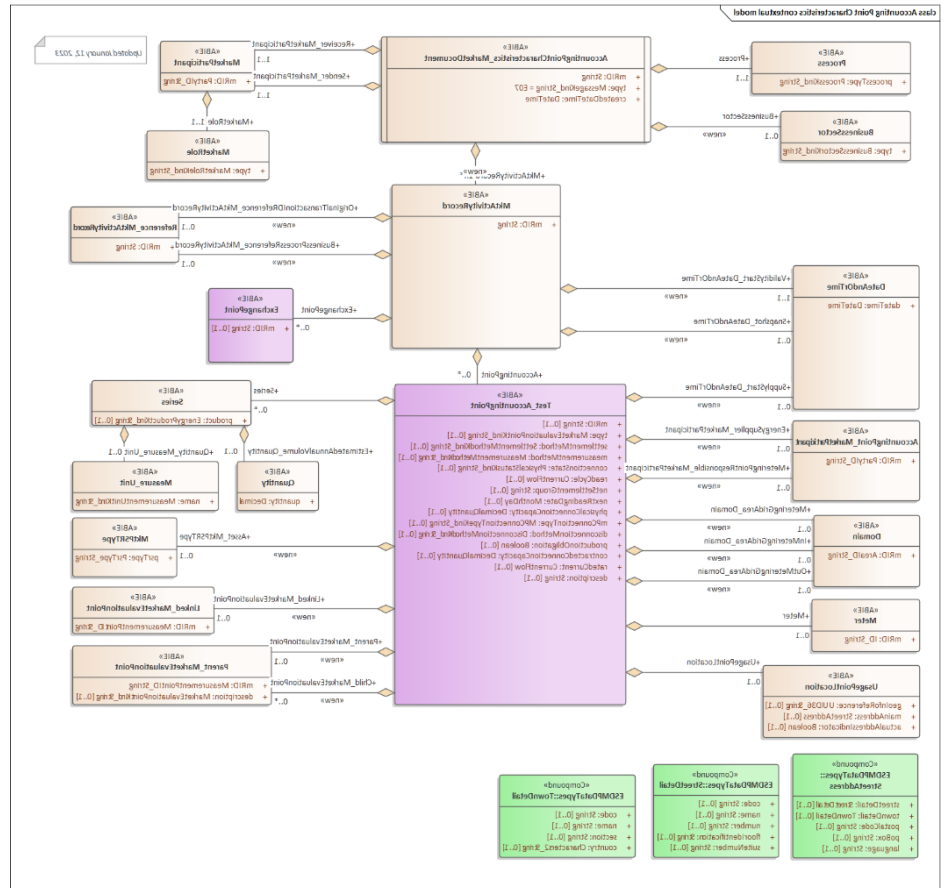
From first brief discussion in NMEG February 23rd:

- We should avoid using the RGCE document, since this is a specific RGCE document.
- For Aggregated MGA data, we should investigate the EAR document.

To be continued

11.3 Issues related to update of Energinet (DataHub) CIM model with Accounting Point and Exchange Point – To be discussed at next physical NMEG meeting

The shown diagram is meant as a basis for discussion related to the consequences of replacing MarketEvaluationPoint with AccountingPoint and ExchangePoint:



From discussion:

- Among others the AccountingPoint class contains the settlementMethod, metering Method and AdministrativeStatus.
- In Denmark, the readCycle attribute from MarketEvaluationPoint is used for “Meter Reading Periodicity”, i.e. the time between meter readings, such as 15 minutes, hourly, daily or monthly. However, there is an issue with the definition, which states “Cycle **day** on which the meter for this usage point will normally be read. Usually correlated with the billing cycle”.
- In Denmark, the attribute nextReadingDate is used to state the actual day for next reading, using the format –MM-DD-. There is a MR for the new attribute, currently suggesting adding the attribute to UsagePoint, however using three fields: nextReadingYear, nextReadingMonth, nextReadingDate.
- The settlementMethod attribute is suggested removed from the next version for the Danish datahub.
- Denmark will need the attribute meterReadingResolution

Conclusion:

- The attribute meterReadingResolution in the Accounting Point class in ESMP can probably be removed. Instead we suggest adding the readCycle attribute from UsagePoint to the ESMP MarketEvaluationPoint class, after having removed the term “day” from the definition.
- For the time being we see no need to introduce the AccountingPoint and/or ExchangePoint classes in the Danish datahub mapping to CIM.

Item closed.

12 Addition of an “archive folder” at Ediel.org

Continued action:

- Teemu will try making an “archive folder” where older documents are stored, i.e. every time a new document version is uploaded to the document folder, the old version is move to the archive folder.

13 Review of documents from CIM WG subgroups and IEC groups

Background: At the NMEG meeting August 2020 it was agreed that NMEG needs to be more proactive regarding commenting on new ENTSO-E and IEC documents. Hence it is added a fixed item on the NMEG agenda for review of documents from CIM WG subgroups and IEC groups that is of interest for the Nordic market.

References (links):

What to decide,

discuss or inform: Review of documents from CIM WG subgroups that is of interest for the Nordic market.

13.1 Prepare Nordic positions before coming CIM WG meetings

None.

14 Information (if any)

14.1 New joint wg between EU DSO Entity and ENTSO-E

Jan (SE) informed that the there is a formal decision between the boards of ENTSO-E and EU DSO Entity to establish a joint wg.

NMEG should follow the process and make sure that we get Nordic members in this group.

15 Next meetings

NMEG:

- Tuesday June 20th, 10:00 – 12:00, GoToMeeting
- August 29th and 30th, 09:00 – 16:00 (both days), Copenhagen
- October 5th, 10:00 – 15:00, GoToMeeting
- October 31st and November 1st, 09:00 – 16:00 (both days), Oslo

NMEG CIM XML subgroup:

- June 21st, 10:30 – 12:00, GoToMeeting

16 AOB

16.1 IEC CD 62746-4 Demand side resource interface

The CD (Committee Draft) originates from IEC/TC57/WG14 and is among others using the US way of crating documents, instead of using ESMP as we are used to in Europe.

From discussion:

- Comments must be submitted before June 16th.
- We would like to see a European profile of the document.
- It was noted that the energyDownRampRate, energyUpRampRate and maximumResponseTime attributes in the class RegisteredDistributedResource also are need for normal RegisteredResources, hence we suggest moving the attributes to the RegisteredResources class.

We will send the following comment from the national IEC committees:

- 1) The energyDownRampRate, energyUpRampRate and maximumResponseTime attributes in the class RegisteredDistributedResource also are need for normal RegisteredResources, hence we suggest moving the attributes to the RegisteredResources class.
- 2) Ref.: “4.3.2 Resource Location Modelling”: In Europe a RegisteredResource is linked to a Domain classed and not to a Pnode, as shown in the document. Hence in Figure 6, the Domain class should be added similar to the Pnode class for European users. An alternative would be adding an alternative chapter for European users.

Similar comments apply for Figure 7 and 8.

- 3) Ref.: “4.3.4 Energy Schedule Modelling”: We suggest adding a parallel time series structure for European usage, based on ESMP.
- 4) Ref.: “4.3.5 275 Bid/Offer Modelling”: We suggest adding a parallel time series structure for European usage, based on ESMP.

We will ask the ENTSO-E retail market wg if they can take the responsibility of making European style profile parts of the document.

Item closed.

16.2 IEC CDV 61968-9 Interfaces for meter reading and control

Comments must be submitted before June 2nd.

This is an information item, however all are asked to take a look at and eventually send comments.

Item closed.

Appendix A Overview of Nordic memberships in international standardisation bodies

Name	Member of
Anders (SE)	CGMES, ESMP
Anne Stine	NMEG, ebIX®
Christian	NMEG, ebIX® observer (?)
Fedder	NMEG, CIM WG, IEC/WG16, CSSG, EEAT, ENTSO-E CIM tools, CIO/LIO
Jan (DK)	NMEG, IEC/WG16
Jan (SE)	NMEG, HG, ebIX®, IEC/WG16+14, ESMP, TFD, TK57
Jon-Egil	NMEG, CIM WG, IEC/WG16, ESMP, CCC, CIO/LIO, NEK, TPC, TFD
Martin (SE)	CCC
Miika	CIM WG, NEX
Moustafa (SE)	CGMES
Oscar	CIO/LIO, ebIX®, CIM WG, TK57
Ove	NMEG, HG, ebIX®, IEC/WG16, NEK
Svein (NO)	IEC/WG14+13, CGMES
Teemu	NMEG, CIM WG, EBG, ETC, CIO/LIO

Abbreviations:

CCC	Coordinated Capacity Calculation (project under CIM WG)
CGMES	Common Grid Model Exchange Standard (subgroup under CIM WG)
CIO/LIO	Central Issuing Office / Local Issuing Office
CSSG	Communication Standards (subgroup under CIM WG)
Dc	ENTSO-E Digital committee
EBG	ebIX® Business Group
EEAT	ENTSO-E Enterprise Architecture Team (subgroup under Dc)
ESMP	European Style Market Profile (subgroup under CIM WG)
ETC	ebIX® Technical Committee
HG	ebIX®, EFET and ENTSO-E Harmonisation Group
MC	ENTSO-E Market Committee
MIT	Market Integration and Transparency (subgroup under MC)
NEK	Norsk Elektroteknisk Komite
NEX	Nordic ECP/EDX Group
TFD	ENTSO-E Task Force Data Interoperability and Access,
TK57	Teknisk Kommitté 57
TPC	Transparency Platform Coordinators (subgroup under MIT)

Appendix B Overview of the usage of xml-schemas in the Nordic countries

#	XML schema	BRS	Version used by					
			NBS	NMA	Energinet	Fingrid	Statnett	Svk
1.	NEG ECAN publication document	NBS BRS for TSO/MO	1.0					1.0, 7.0
2.	NEG ERRP Reserve Allocation Result Document	a) NBS BRS for TSO/MO b) BRS for Trade	1.0					1.0
3.	NEG Area Specification Document	a) NBS BRS for Master Data b) BRS for Trade	1.0 ¹	2.0 (CIM)				
4.	NEG Bilateral Trade Structure Document	NBS BRS for Master Data	1.0					
5.	NEG Party Master Data Document	NBS BRS for Master Data	1.0					
6.	NEG Resource Object Master Data Document	NBS BRS for Master Data	1.1					
7.	ENTSO-E Acknowledgement Document	NEG Common XML rules and ...	6.0					7.0 (not complete)
8.	ENTSO-E ERRP Planned Resource Schedule Document	NBS BRS for TSO/MO	5.0					
9.	NEG ERRP Planned Resource Schedule Document	BRS for Schedules						
10.	ENTSO-E ERRP Resource Schedule Confirmation Report	BRS for Schedules	No NEG version					
11.	ENTSO-E ESS Anomaly Report	BRS for Schedules	No NEG version					
12.	ENTSO-E Outage document	BRS for Schedules	No NEG version					
13.	NEG ESP Energy Account Report Document	NBS BRS	1.0					
14.	ENTSO-E ESS Confirmation Report	NBS BRS	4.1					5.0
15.	ENTSO-E ESS Schedule Document	a) NBS BRS b) NBS BRS for TSO/MO	4.1					5.0
16.	ebIX® Aggregated Data per MGA for Settlement for Settlement Responsible	NBS BRS	2013pA					
17.	ebIX® Aggregated Data per Neighbouring Grid for Settlement for Settlement Responsible	NBS BRS	2013pA					
18.	ebIX® NEG Confirmation of Aggregated Data per Neighbouring Grid for ISR	NBS BRS	2013pA					
19.	ebIX® Validated Data for Settlement for Aggregator	NBS BRS	2013pA					
20.	NEG ECAN Allocation Result Document	BRS for Trade						
21.	NEG Currency Exchange Rate Document	BRS for Trade						
22.	NEG Auction Specification	BRS for Trade						
23.	NEG Spot Market Bid Document	BRS for Trade						
24.	ENTSO-E ERRP Reserve Bid Document	BRS for Trade						1.0

¹ The NBS version 1.0 is using dateTimeType for Validity Start/End (error correction), while the MO version 1.0 is using dateType. dateTimeType will be used from version 2.0.

25.	ENTSO-E ERRP Activation Document	BRS for Operate							5.0 (not complete)
26.	Capacity Market Document	???							7.1, 8.0